April 18, 2018

InspectorNick.com
1404 SW Market Street, Suite 1101
Lee's Summit, MO 64063

Job: Lead Based Paint Inspection
Address: 123 Main Street, Kansas City, Missouri 64113

Work Description:

On April 18th, 2018, Jeff Hurst with Axiom Service Professionals (ASP), a certified Missouri lead risk assessor, conducted a lead-based paint inspection of painted components throughout the interior and exterior of the house addressed as 123 Main Street, Kansas City, Missouri. The testing was conducted to determine if lead based paint was present on building components in advance of home sale. The home is a two story with an unfinished basement. The home construction date is estimated to be 1931.

Lead-Based Paint Testing

Lead-based paint testing was conducted by Jeff Hurst in accordance with applicable local, state, and federal lead guidelines and regulations. Testing combinations were tested by means of non-destructive XRF technology.

The XRF used for this evaluation was a Thermo Scientific Niton Model # XLp 300A, Serial # #94106. ASP followed the manufacturer's guidelines for the specific XRF used during the LBP evaluation of the property.

The calibration of the instrument was done in accordance with the Performance Characteristic Sheet (PCS) for this instrument. This instrument was calibrated using NIST Standard Reference Material # 2573, with a known lead content of 1.040 mg/cm^2. A minimum of 3 calibration readings were conducted prior to and following the lead-based paint testing to ensure manufacturer's standards were met. During the lead-based paint testing, all calibration readings were within acceptable limits, between 0.8 and 1.2 mg/cm^2.

As demonstrated by the XRF Lead-Based Paint Testing Results (Appendix A), each component tested was assigned a wall which it was near or located on. Said walls were identified as either A, B, C, or D, and are further explained below:

- Wall A is oriented to run parallel with and orients with the address side of the property
- Wall B is the wall to the left (clockwise) of the wall A
- Wall C is the wall across from wall A
- Wall D is the wall right of wall A

Lead-Based Paint Testing Results:

Housing and Urban Development (HUD) defines lead-based paint as any paint or other surface coating materials that contain lead equal to or in excess of 1.0 mg/cm^2 or more than five-tenths percent by weight. The XRF Lead-Based Paint Testing Results (Appendix A) will show all components that were tested with positive components (those that tested at or above the HUD lead standard of 1.0 mg/cm^2) indicated in yellow highlight.

A total of 267 readings were collected during lead-based paint testing. Several painted surfaces tested positive for lead-based paint. All homogenous components (same color, substrate, date of install) with those that tested positive, should be considered positive as well. For example if white wood door trim tested positive, but yet other white wood door trim tested negative, but both are homogenous components, then all white wood homogenous door trim should be considered lead based paint based on the one positive reading.

For testing locations please refer to Appendix A.

Glossary for Appendix A, Lead-Based Paint Testing Results:

Reading No: Analyzer-generated sequence number
Duration: Timed length of each test
Site: Location of the building
Room: Standard definition given to each room being tested
Side: Component location within the room based on wall assignment
Color: Surface color of the component under test
Substrate: Composition of the component under test
Component: Item under test (Calibration Standard)
Condition: Surface condition of the component under test
Result: Either Positive or Negative for Lead-Based Paint (LBP) or Null (incomplete test)
Pb C: Total Lead in all paint layers, in milligrams per square centimeter of area
Pb C Error: Standard deviation of total paint reading

Note: < LOD means less than the Limits of Detection.

Limitations of Lead-Based Paint Testing

Mr. Hurst conducted a visual survey and lead-based paint testing using X-Ray Fluorescence (XRF) analysis of readily accessible components throughout the house and included within our contracted scope of work. No destructive testing was performed so the possibility exists that lead-based paint could exist within inaccessible areas. Additionally, lead-based paint may exist outside of the areas included for testing such as outbuildings. If components and/or finishes are found that do not match those tested, they

should be presumed and treated as lead-based paint until further testing meeting the HUD requirements is conducted.

The presence or absence of lead-based paint applies only to the tested or assessed surfaces on the date of the field visit and it should be understood that conditions may change due to deterioration or maintenance. The results and material conditions noted within this report were accurate at the time of the evaluation and in no way reflect the conditions at the property after the date of the evaluation.

Certification of Lead-Based Paint Testing

I, the undersigned, being a state certified lead risk assessor, hereby certify that applicable environmental regulations were adhered to during the testing for lead-based paint at 39 West Winthrope Road, Kansas City, Missouri.

Jeff Hurst
Missouri Lead Risk Assessor # 000801-200166567
Expiration Date: August 18, 2018

APPENDIX A

XRF Limited Lead Inspection Results

Reading No	Time	Type	Duration	Depth Index	Floor	Room	Side	Color	Substrate	Component	Condition	Results	PbC	PbC Error	Units
801	4/18/2018 12:18	SHUTTER_CAL	50.2						Detector Calibration				6.51	0	cps
802	4/18/2018 12:19	PAINT	20	1.12					NIST Calibration			Positive	1	0.1	mg / cm ^2
803	4/18/2018 12:19	PAINT	20	1.1					NIST Calibration			Positive	1	0.1	mg / cm ^2
804	4/18/2018 12:20	PAINT	18.23	1.15					NIST Calibration			Null	1	0.1	mg / cm ^2
805	4/18/2018 12:21	PAINT	20	1.11					NIST Calibration			Positive	1	0.1	mg / cm ^2
806	4/18/2018 12:21	PAINT	8.8	1	Main	Entry	a	gray	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
807	4/18/2018 12:22	PAINT	5.5	1	Main	Entry	b	gray	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
808	4/18/2018 12:22	PAINT	6.05	2.27	Main	Entry	c	gray	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
809	4/18/2018 12:22	PAINT	5.49	1	Main	Entry	d	gray	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
810	4/18/2018 12:23	PAINT	2.21	1.49	Main	Entry	c	white	wood	baseboard	intact	Negative	< LOD	0.1	mg / cm ^2
811	4/18/2018 12:23	PAINT	2.75	1	Main	Entry	a	stained	wood	door	intact	Negative	< LOD	0.03	mg / cm ^2
812	4/18/2018 12:23	PAINT	2.73	1.32	Main	Entry	a	white	wood	door trim	intact	Negative	< LOD	0.04	mg / cm ^2
813	4/18/2018 12:23	PAINT	3.84	1	Main	Entry	a	white	plaster	ceiling	intact	Negative	< LOD	0.03	mg / cm ^2
814	4/18/2018 12:24	PAINT	2.21	2.03	Main	Coat Closet	d	white	wood	door	intact	Negative	< LOD	0.12	mg / cm ^2
815	4/18/2018 12:24	PAINT	2.22	1	Main	Coat Closet	d	white	wood	door jamb	intact	Negative	< LOD	0.04	mg / cm ^2
816	4/18/2018 12:24	PAINT	3.29	1	Main	Coat Closet	b	white	wood	shelf	intact	Negative	< LOD	0.03	mg / cm ^2
817	4/18/2018 12:25	PAINT	3.84	1.33	Main	Coat Closet	b	white	wood	shelf support	intact	Negative	< LOD	0.03	mg / cm ^2
818	4/18/2018 12:25	PAINT	4.41	1	Main	Coat Closet	a	white	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
819	4/18/2018 12:27	PAINT	2.2	4.48	Main	Coat Closet	c	white	wood	baseboard	intact	Negative	< LOD	0.25	mg / cm ^2
820	4/18/2018 12:27	PAINT	3.3	1	Main	Hallway	a	stained	wood	floor	intact	Negative	< LOD	0.03	mg / cm ^2
821	4/18/2018 12:27	PAINT	2.74	2.59	Main	Hallway	b	white	wood	baseboard	intact	Negative	< LOD	0.12	mg / cm ^2
822	4/18/2018 12:27	PAINT	4.41	1.25	Main	Hallway	b	gray	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
823	4/18/2018 12:28	PAINT	3.87	4.66	Main	Hallway	d	gray	plaster	wall	intact	Negative	< LOD	0.06	mg / cm ^2
824	4/18/2018 12:28	PAINT	3.85	2.2	Main	Living Room	a	gray	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
825	4/18/2018 12:28	PAINT	4.93	6.49	Main	Living Room	b	gray	plaster	wall	intact	Negative	< LOD	0.1	mg / cm ^2
826	4/18/2018 12:28	PAINT	3.29	4.55	Main	Living Room	c	gray	plaster	wall	intact	Negative	< LOD	0.08	mg / cm ^2
827	4/18/2018 12:29	PAINT	4.39	4.6	Main	Living Room	d	gray	plaster	wall	intact	Negative	< LOD	0.06	mg / cm ^2
828	4/18/2018 12:29	PAINT	4.4	1	Main	Living Room	d	white	plaster	ceiling	intact	Negative	< LOD	0.03	mg / cm ^2
829	4/18/2018 12:29	PAINT	4.41	5.82	Main	Living Room	d	white	plaster	crown molding	intact	Negative	< LOD	1.25	mg / cm ^2
830	4/18/2018 12:29	PAINT	0.56	2.02	Main	Living Room	d	white	wood	baseboard	intact	Null	< LOD	0.26	mg / cm ^2
831	4/18/2018 12:30	PAINT	3.84	1.34	Main	Living Room	d	white	wood	baseboard	intact	Negative	< LOD	0.03	mg / cm ^2
832	4/18/2018 12:30	PAINT	3.85	3.16	Main	Living Room	a	white	wood	window sill	intact	Negative	< LOD	0.09	mg / cm ^2
833	4/18/2018 12:31	PAINT	2.76	1	Main	Living Room	a	white	wood	window trim	intact	Negative	< LOD	0.03	mg / cm ^2
834	4/18/2018 12:31	PAINT	2.2	1	Main	Living Room	a	white	wood	window jamb	intact	Negative	< LOD	0.05	mg / cm ^2
835	4/18/2018 12:31	PAINT	2.73	1	Main	Living Room	a	brown	metal	window sash	intact	Negative	< LOD	0.04	mg / cm ^2
836	4/18/2018 12:32	PAINT	4.42	2.98	Main	Living Room	c	white	wood	window sash	intact	Negative	< LOD	0.09	mg / cm ^2
837	4/18/2018 12:32	PAINT	3.85	1.41	Main	Living Room	c	white	wood	window sill	intact	Negative	< LOD	0.05	mg / cm ^2
838	4/18/2018 12:32	PAINT	4.4	2.05	Main	Living Room	c	white	wood	window trim	intact	Negative	< LOD	0.06	mg / cm ^2
839	4/18/2018 12:34	PAINT	2.74	3.17	Main	Living Room	c	brown	wood	window well	intact	Positive	2.5	0.8	mg / cm ^2
840	4/18/2018 12:35	PAINT	4.39	2.68	Main	Living Room	c	brown	wood	window jamb	intact	Positive	2.8	0.9	mg / cm ^2
841	4/18/2018 12:36	PAINT	4.41	1	Main	Living Room	b	red	ceramic	fireplace floor	intact	Negative	< LOD	0.03	mg / cm ^2
842	4/18/2018 12:37	PAINT	6.62	1	Main	Living Room	b	beige	ceramic	fireplace interior	intact	Negative	< LOD	0.03	mg / cm ^2
843	4/18/2018 12:37	PAINT	4.4	1	Main	Living Room	b	brown	metal	floor vent	intact	Negative	< LOD	0.03	mg / cm ^2

844	4/18/2018 12:37	PAINT	3.84	1.46	Main	Living Room	b	white	wood	door	intact	Negative	< LOD	0.03	mg / cm ^2
845	4/18/2018 12:37	PAINT	9.36	1.76	Main	Living Room	b	white	wood	door trim	intact	Negative	< LOD	0.03	mg / cm ^2
846	4/18/2018 12:38	PAINT	1.09	1	Main	Dining Room	a	gray	plaster	wall	intact	Null	< LOD	0.03	mg / cm ^2
847	4/18/2018 12:39	PAINT	4.95	9.25	Main	Dining Room	a	gray	plaster	wall	intact	Negative	< LOD	1.35	mg / cm ^2
848	4/18/2018 12:39	PAINT	4.41	1.97	Main	Dining Room	b	gray	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
849	4/18/2018 12:39	PAINT	4.93	1.07	Main	Dining Room	c	gray	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
850	4/18/2018 12:39	PAINT	4.41	1.86	Main	Dining Room	d	gray	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
851	4/18/2018 12:40	PAINT	2.75	3.03	Main	Dining Room	d	white	wood	baseboard	intact	Negative	< LOD	0.12	mg / cm ^2
852	4/18/2018 12:40	PAINT	2.75	1.59	Main	Dining Room	d	stained	wood	floor	intact	Negative	< LOD	0.04	mg / cm ^2
853	4/18/2018 12:40	PAINT	2.76	1.45	Main	Dining Room	a	brown	metal	window sash	intact	Negative	< LOD	0.05	mg / cm ^2
854	4/18/2018 12:41	PAINT	2.75	1	Main	Dining Room	a	white	wood	window sill	intact	Negative	< LOD	0.03	mg / cm ^2
855	4/18/2018 12:41	PAINT	2.77	2.53	Main	Dining Room	a	white	wood	window trim	intact	Negative	< LOD	0.12	mg / cm ^2
856	4/18/2018 12:41	PAINT	4.39	1	Main	Dining Room	a	white	plaster	ceiling	intact	Negative	< LOD	0.03	mg / cm ^2
857	4/18/2018 12:43	PAINT	4.41	1.47	Main	Dining Room	a	white	plaster	crown molding	intact	Null	< LOD	0.03	mg / cm ^2
858	4/18/2018 12:43	PAINT	6.05	3.69	Main	Dining Room	a	white	plaster	crown molding	intact	Null	< LOD	0.07	mg / cm ^2
859	4/18/2018 12:45	PAINT	17.1	3.28	Main	Dining Room	a	white	plaster	crown molding	intact	Negative	0.04	0.02	mg / cm ^2
860	4/18/2018 12:46	PAINT	2.76	2.9	Main	Dining Room	b	white	metal	heat register	intact	Negative	< LOD	0.14	mg / cm ^2
861	4/18/2018 12:47	PAINT	2.21	1	Main	Dining Room	d	white	wood	window sash	intact	Negative	< LOD	0.03	mg / cm ^2
862	4/18/2018 12:47	PAINT	3.32	1.06	Main	Dining Room	d	white	wood	window sill	intact	Negative	< LOD	0.04	mg / cm ^2
863	4/18/2018 12:47	PAINT	2.19	2.77	Main	Dining Room	d	white	wood	window trim	intact	Negative	< LOD	0.14	mg / cm ^2
864	4/18/2018 13:05	PAINT	4.96	1	Main	Kitchen	a	gray	drywall	wall	intact	Negative	< LOD	0.03	mg / cm ^2
865	4/18/2018 13:05	PAINT	5.51	1	Main	Kitchen	b	gray	drywall	wall	intact	Negative	< LOD	0.03	mg / cm ^2
866	4/18/2018 13:05	PAINT	4.93	4.65	Main	Kitchen	c	gray	drywall	wall	intact	Negative	< LOD	0.11	mg / cm ^2
867	4/18/2018 13:05	PAINT	4.41	1.08	Main	Kitchen	d	gray	drywall	wall	intact	Negative	< LOD	0.03	mg / cm ^2
868	4/18/2018 13:06	PAINT	9.37	10	Main	Kitchen	a	white	wood	door trim	intact	Positive	3.4	0.7	mg / cm ^2
869	4/18/2018 13:06	PAINT	4.95	5.7	Main	Kitchen	a	white	wood	door jamb	intact	Negative	< LOD	0.14	mg / cm ^2
870	4/18/2018 13:06	PAINT	4.4	1	Main	Kitchen	a	black	wood	door jamb	intact	Negative	< LOD	0.03	mg / cm ^2
871	4/18/2018 13:07	PAINT	2.22	3.36	Main	Kitchen	b	white	wood	basement door	intact	Negative	< LOD	0.19	mg / cm ^2
872	4/18/2018 13:07	PAINT	3.84	10	Main	Kitchen	b	white	wood	basement door trim	intact	Positive	2.9	1.1	mg / cm ^2
873	4/18/2018 13:07	PAINT	2.76	1	Main	Kitchen	d	white	wood	cabinet door	intact	Negative	< LOD	0.03	mg / cm ^2
874	4/18/2018 13:08	PAINT	2.21	1	Main	Kitchen	d	white	wood	cabinet frame	intact	Negative	< LOD	0.03	mg / cm ^2
875	4/18/2018 13:08	PAINT	3.85	3.32	Main	Kitchen	d	stained	wood	cabinet interior	intact	Negative	0.3	0.14	mg / cm ^2
876	4/18/2018 13:08	PAINT	2.21	1	Main	Kitchen	d	white	wood	cabinet drawer	intact	Negative	< LOD	0.03	mg / cm ^2
877	4/18/2018 13:09	PAINT	3.3	4.14	Main	Kitchen	d	white	wood	window sash	intact	Negative	< LOD	0.26	mg / cm ^2
878	4/18/2018 13:09	PAINT	2.75	1	Main	Kitchen	d	white	wood	window sill	intact	Negative	< LOD	0.03	mg / cm ^2
879	4/18/2018 13:09	PAINT	3.31	1	Main	Kitchen	d	white	wood	window trim	intact	Negative	< LOD	0.03	mg / cm ^2
880	4/18/2018 13:09	PAINT	2.21	4.96	Main	Kitchen	d	white	wood	window trim	intact	Negative	< LOD	0.36	mg / cm ^2
881	4/18/2018 13:10	PAINT	6.6	5.11	Main	Kitchen Bath	a	gray	plaster	wall	intact	Negative	< LOD	0.09	mg / cm ^2
882	4/18/2018 13:11	PAINT	19.77	5.23	Main	Kitchen Bath	b	gray	plaster	wall	intact	Negative	< LOD	0.4	mg / cm ^2
883	4/18/2018 13:11	PAINT	3.83	6.15	Main	Kitchen Bath	c	gray	plaster	wall	intact	Negative	< LOD	0.16	mg / cm ^2
884	4/18/2018 13:11	PAINT	7.13	4.07	Main	Kitchen Bath	d	gray	plaster	wall	intact	Negative	< LOD	0.99	mg / cm ^2
885	4/18/2018 13:11	PAINT	6.04	10	Main	Kitchen Bath	c	white	wood	window sash	intact	Positive	2.6	0.8	mg / cm ^2
886	4/18/2018 13:12	PAINT	5.48	10	Main	Kitchen Bath	c	white	wood	window sill	intact	Positive	3.2	0.9	mg / cm ^2
887	4/18/2018 13:12	PAINT	4.97	10	Main	Kitchen Bath	c	white	wood	window trim	intact	Positive	2.6	0.9	mg / cm ^2
888	4/18/2018 13:14	PAINT	4.99	10	Main	Kitchen Bath	b	white	wood	door	intact	Positive	4.4	1	mg / cm ^2
889	4/18/2018 13:14	PAINT	8.81	10	Main	Kitchen Bath	b	white	wood	door trim	intact	Positive	1.8	0.6	mg / cm ^2

890	4/18/2018 13:15	PAINT	4.41	10	Main	Kitchen Bath	b	white	wood	door jamb	intact	Positive	2.9	1.1	mg / cm ^2
891	4/18/2018 13:15	PAINT	4.39	10	Main	Kitchen Bath	d	gray	wood	chair rail	intact	Positive	3	1	mg / cm ^2
892	4/18/2018 13:16	PAINT	20	5.81	Main	Rear Entry	a	gray	plaster	wall	intact	Negative	0.26	0.07	mg / cm ^2
893	4/18/2018 13:16	PAINT	6.6	1	Main	Rear Entry	c	gray	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
894	4/18/2018 13:17	PAINT	20	4.65	Main	Rear Entry	d	gray	plaster	wall	intact	Negative	0.17	0.05	mg / cm ^2
895	4/18/2018 13:18	PAINT	4.4	4.36	Main	Rear Entry	c	white	wood	baseboard	intact	Positive	1.8	0.4	mg / cm ^2
896	4/18/2018 13:18	PAINT	3.3	1	Main	Rear Entry	b	white	wood	door	intact	Negative	< LOD	0.03	mg / cm ^2
897	4/18/2018 13:18	PAINT	4.41	3.29	Main	Rear Entry	b	white	wood	door trim	intact	Positive	1.9	0.3	mg / cm ^2
898	4/18/2018 13:19	PAINT	4.41	5.31	Main	Rear Entry	b	white	drywall	ceiling	intact	Negative	< LOD	0.16	mg / cm ^2
899	4/18/2018 13:19	PAINT	10.44	7.11	Main	Breakfast Nook	a	gray	plaster	wall	intact	Negative	< LOD	0.9	mg / cm ^2
900	4/18/2018 13:20	PAINT	19.8	10	Main	Breakfast Nook	b	gray	plaster	wall	intact	Null	0.26	0.11	mg / cm ^2
901	4/18/2018 13:20	PAINT	8.77	8.34	Main	Breakfast Nook	c	gray	plaster	wall	intact	Negative	< LOD	0.95	mg / cm ^2
902	4/18/2018 13:20	PAINT	3.32	1	Main	Breakfast Nook	d	gray	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
903	4/18/2018 13:21	PAINT	4.95	10	Main	Breakfast Nook	a	white	wood	door jamb	intact	Positive	2.2	0.8	mg / cm ^2
904	4/18/2018 13:21	PAINT	20	10	Main	Breakfast Nook	a	white	wood	door trim	intact	Null	0.6	0.2	mg / cm ^2
905	4/18/2018 13:22	PAINT	4.41	10	Main	Breakfast Nook	a	white	wood	door trim	intact	Positive	1.9	0.8	mg / cm ^2
906	4/18/2018 13:22	PAINT	3.29	10	Main	Breakfast Nook	b	white	wood	crown molding	intact	Positive	3.6	1.2	mg / cm ^2
907	4/18/2018 13:22	PAINT	4.94	1	Main	Breakfast Nook	b	white	plaster	ceiling	intact	Negative	< LOD	0.03	mg / cm ^2
908	4/18/2018 13:23	PAINT	3.85	10	Main	Breakfast Nook	a	white	wood	shelf built in	intact	Positive	4	1.3	mg / cm ^2
909	4/18/2018 13:24	PAINT	4.93	10	Main	Breakfast Nook	c	white	wood	window sash	intact	Positive	2.6	0.9	mg / cm ^2
910	4/18/2018 13:25	PAINT	3.3	10	Main	Breakfast Nook	c	white	wood	window sill	intact	Positive	3.2	1.1	mg / cm ^2
911	4/18/2018 13:25	PAINT	4.97	10	Main	Breakfast Nook	c	white	wood	window trim	intact	Positive	2.3	0.9	mg / cm ^2
912	4/18/2018 13:25	PAINT	2.19	2.57	Main	Breakfast Nook	c	white	wood	corner shelf door	intact	Negative	< LOD	0.45	mg / cm ^2
913	4/18/2018 13:26	PAINT	4.97	2.18	Main	Breakfast Nook	c	white	wood	corner shelf trim	intact	Positive	1.3	0.2	mg / cm ^2
914	4/18/2018 13:26	PAINT	7.66	10	Main	Breakfast Nook	c	white	wood	corner shelf	intact	Positive	3.4	0.8	mg / cm ^2
915	4/18/2018 13:27	PAINT	12.63	9.53	Main	Breakfast Nook	c	white	plaster	wall	intact	Negative	< LOD	0.75	mg / cm ^2
916	4/18/2018 13:28	PAINT	3.31	1	Main	Stairwell	a	stained	wood	stair tread	intact	Negative	< LOD	0.03	mg / cm ^2
917	4/18/2018 13:28	PAINT	2.19	2.31	Main	Stairwell	a	white	wood	stair riser	intact	Negative	< LOD	0.12	mg / cm ^2
918	4/18/2018 13:28	PAINT	2.73	2.35	Main	Stairwell	a	white	wood	stair baseboard	intact	Negative	< LOD	0.09	mg / cm ^2
919	4/18/2018 13:28	PAINT	4.41	1	Main	Stairwell	b	gray	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
920	4/18/2018 13:29	PAINT	3.84	1	Main	Stairwell	c	gray	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
921	4/18/2018 13:39	PAINT	0.55	2.8	Main	Stairwell	d	gray	plaster	wall	intact	Null	< LOD	0.27	mg / cm ^2
922	4/18/2018 13:39	PAINT	3.84	2.93	Main	Stairwell	d	gray	plaster	wall	intact	Negative	< LOD	0.06	mg / cm ^2
923	4/18/2018 13:44	PAINT	4.4	1	2nd	NE Bedroom	a	gray	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
924	4/18/2018 13:45	PAINT	4.92	1	2nd	NE Bedroom	b	gray	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
925	4/18/2018 13:45	PAINT	4.39	1	2nd	NE Bedroom	d	gray	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
926	4/18/2018 13:46	PAINT	3.83	10	2nd	NE Bedroom	a	white	wood	window sash	intact	Positive	2.7	1	mg / cm ^2
927	4/18/2018 13:46	PAINT	4.97	10	2nd	NE Bedroom	a	white	wood	window sill	intact	Positive	2.7	0.9	mg / cm ^2
928	4/18/2018 13:47	PAINT	4.39	10	2nd	NE Bedroom	a	white	wood	window trim	intact	Positive	2.6	1	mg / cm ^2
929	4/18/2018 13:47	PAINT	2.23	1	2nd	NE Bedroom	a	stained	wood	floor	intact	Negative	< LOD	0.03	mg / cm ^2
930	4/18/2018 13:48	PAINT	2.19	1.38	2nd	NE Bedroom	d	stained	wood	door	intact	Negative	< LOD	0.08	mg / cm ^2
931	4/18/2018 13:48	PAINT	6.61	10	2nd	NE Bedroom	d	white	wood	door jamb	intact	Positive	1.9	0.7	mg / cm ^2
932	4/18/2018 13:48	PAINT	7.14	10	2nd	NE Bedroom	d	white	wood	door trim	intact	Positive	1.9	0.7	mg / cm ^2
933	4/18/2018 13:49	PAINT	4.94	1	2nd	NE Bedroom	c	light blue	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
934	4/18/2018 13:49	PAINT	4.4	1	2nd	NE Bedroom	c	dark blue	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
935	4/18/2018 13:49	PAINT	4.44	1	2nd	NE Bedroom	c	white	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2

936	4/18/2018 13:49	PAINT	4.41	1	2nd	NE Bedroom	c	green	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
937	4/18/2018 13:50	PAINT	4.93	10	2nd	NE Bedroom	d	white	wood	baseboard	intact	Positive	2.6	0.9	mg / cm ^2
938	4/18/2018 13:51	PAINT	2.2	1	2nd	NE Closet	b	stained	wood	door	intact	Negative	< LOD	0.05	mg / cm ^2
939	4/18/2018 13:52	PAINT	4.94	7.61	2nd	NE Closet	b	white	wood	door jamb	intact	Positive	2.6	0.9	mg / cm ^2
940	4/18/2018 13:52	PAINT	4.41	9.31	2nd	NE Closet	b	white	wood	door trim	intact	Positive	2.6	0.9	mg / cm ^2
941	4/18/2018 13:52	PAINT	4.41	1	2nd	NE Closet	d	white	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
942	4/18/2018 13:52	PAINT	2.74	9.44	2nd	NE Closet	d	white	wood	shelf	intact	Positive	4.1	2	mg / cm ^2
943	4/18/2018 13:53	PAINT	9.37	9.9	2nd	NE Closet	d	white	wood	shelf support	intact	Positive	3.4	0.7	mg / cm ^2
944	4/18/2018 13:54	PAINT	4.39	1	2nd	SE Master Bedroom	a	brown	drywall	wall	intact	Negative	< LOD	0.03	mg / cm ^2
945	4/18/2018 13:54	PAINT	3.3	1	2nd	SE Master Bedroom	b	brown	drywall	wall	intact	Negative	< LOD	0.03	mg / cm ^2
946	4/18/2018 13:55	PAINT	3.86	1	2nd	SE Master Bedroom	c	brown	drywall	wall	intact	Negative	< LOD	0.03	mg / cm ^2
947	4/18/2018 13:55	PAINT	4.4	1	2nd	SE Master Bedroom	d	brown	drywall	wall	intact	Negative	< LOD	0.03	mg / cm ^2
948	4/18/2018 13:55	PAINT	4.93	10	2nd	SE Master Bedroom	c	white	wood	window sash	intact	Positive	2.7	0.9	mg / cm ^2
949	4/18/2018 13:56	PAINT	4.4	5.48	2nd	SE Master Bedroom	c	white	wood	window sill	intact	Positive	4.5	1.1	mg / cm ^2
950	4/18/2018 13:56	PAINT	2.74	10	2nd	SE Master Bedroom	c	white	wood	window trim	intact	Positive	3.2	1.9	mg / cm ^2
951	4/18/2018 13:56	PAINT	6.59	10	2nd	SE Master Bedroom	c	white	wood	baseboard	intact	Positive	1.9	0.7	mg / cm ^2
952	4/18/2018 13:57	PAINT	4.42	10	2nd	SE Master Bedroom	c	white	wood	door trim	intact	Positive	2.4	0.9	mg / cm ^2
953	4/18/2018 13:57	PAINT	2.19	1	2nd	SE Master Bedroom	c	white	wood	door	intact	Negative	< LOD	0.05	mg / cm ^2
954	4/18/2018 13:58	PAINT	3.86	10	2nd	SE Master Bedroom	c	white	wood	door jamb	intact	Positive	3.3	1.1	mg / cm ^2
955	4/18/2018 13:58	PAINT	6.09	4.33	2nd	SE Bedrm Cedar Closet	a	white	wood	shelf support	intact	Positive	2.9	0.5	mg / cm ^2
956	4/18/2018 13:59	PAINT	4.4	5.66	2nd	SE Bedrm Cedar Closet	b	white	wood	shelf	intact	Positive	3	0.7	mg / cm ^2
957	4/18/2018 13:59	PAINT	2.19	1.01	2nd	SE Bedrm Cedar Closet	d	stained	wood	door	intact	Negative	< LOD	0.05	mg / cm ^2
958	4/18/2018 13:59	PAINT	4.42	7.56	2nd	SE Bedrm Cedar Closet	d	white	wood	door jamb	intact	Positive	1.6	0.5	mg / cm ^2
959	4/18/2018 14:00	PAINT	4.41	5.38	2nd	SE Bedrm Bathroom	a	gray	plaster	wall	intact	Negative	< LOD	0.12	mg / cm ^2
960	4/18/2018 14:01	PAINT	4.38	1	2nd	SE Bedrm Bathroom	b	gray	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
961	4/18/2018 14:01	PAINT	4.4	2.94	2nd	SE Bedrm Bathroom	d	gray	plaster	wall	intact	Negative	< LOD	0.05	mg / cm ^2
962	4/18/2018 14:01	PAINT	2.21	1.1	2nd	SE Bedrm Bathroom	a	gray	ceramic	floor	intact	Null	< LOD	0.1	mg / cm ^2
963	4/18/2018 14:01	PAINT	2.75	1.79	2nd	SE Bedrm Bathroom	a	gray	ceramic	floor	intact	Negative	< LOD	0.17	mg / cm ^2
964	4/18/2018 14:01	PAINT	2.2	1.02	2nd	SE Bedrm Bathroom	c	white	ceramic	makeup counter	intact	Negative	< LOD	0.1	mg / cm ^2
965	4/18/2018 14:02	PAINT	4.41	10	2nd	SE Bedrm Bathroom	c	white	wood	window sash	intact	Positive	3.2	1	mg / cm ^2
966	4/18/2018 14:02	PAINT	6.07	10	2nd	SE Bedrm Bathroom	c	white	wood	window sill	intact	Positive	2.7	0.8	mg / cm ^2
967	4/18/2018 14:02	PAINT	4.41	10	2nd	SE Bedrm Bathroom	c	white	wood	window trim	intact	Positive	2.6	1	mg / cm ^2
968	4/18/2018 14:03	PAINT	4.41	10	2nd	SE Bedrm Bathroom	c	white	wood	cabinet door	intact	Positive	2.6	0.9	mg / cm ^2
969	4/18/2018 14:03	PAINT	3.85	10	2nd	SE Bedrm Bathroom	c	white	wood	cabinet drawer	intact	Null	0.8	0.5	mg / cm ^2
970	4/18/2018 14:03	PAINT	0.55	9.61	2nd	SE Bedrm Bathroom	c	white	wood	cabinet drawer	intact	Null	< LOD	3.15	mg / cm ^2
971	4/18/2018 14:04	PAINT	4.92	6.95	2nd	SE Bedrm Bathroom	c	white	wood	cabinet drawer	intact	Negative	0.4	0.2	mg / cm ^2
972	4/18/2018 14:04	PAINT	4.41	1.66	2nd	SE Bedrm Bathroom	c	white	wood	wall	intact	Negative	< LOD	0.04	mg / cm ^2
973	4/18/2018 14:05	PAINT	2.21	3.85	2nd	SE Bedrm Bathroom	c	white	wood	cabinet shelf	intact	Positive	1.9	0.8	mg / cm ^2
974	4/18/2018 14:05	PAINT	4.41	2.25	2nd	SE Bedrm Bathroom	d	gray	wood	chair rail	intact	Positive	1.9	0.9	mg / cm ^2
975	4/18/2018 14:06	PAINT	2.21	1	2nd	Linen Closet	c	stained	wood	door	intact	Negative	< LOD	0.04	mg / cm ^2
976	4/18/2018 14:06	PAINT	3.3	4.33	2nd	Linen Closet	c	white	wood	door jamb	intact	Positive	2.2	0.8	mg / cm ^2
977	4/18/2018 14:06	PAINT	4.41	5.17	2nd	Linen Closet	a	white	wood	shelf	intact	Positive	4.1	0.8	mg / cm ^2
978	4/18/2018 14:07	PAINT	4.41	1.65	2nd	Linen Closet	a	white	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
979	4/18/2018 14:07	PAINT	7.14	10	2nd	Hallway	a	gray	plaster	wall	intact	Negative	< LOD	1.05	mg / cm ^2
980	4/18/2018 14:07	PAINT	4.39	1	2nd	Hallway	c	gray	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
981	4/18/2018 14:07	PAINT	4.39	4.02	2nd	Hallway	d	gray	plaster	wall	intact	Negative	< LOD	0.06	mg / cm ^2

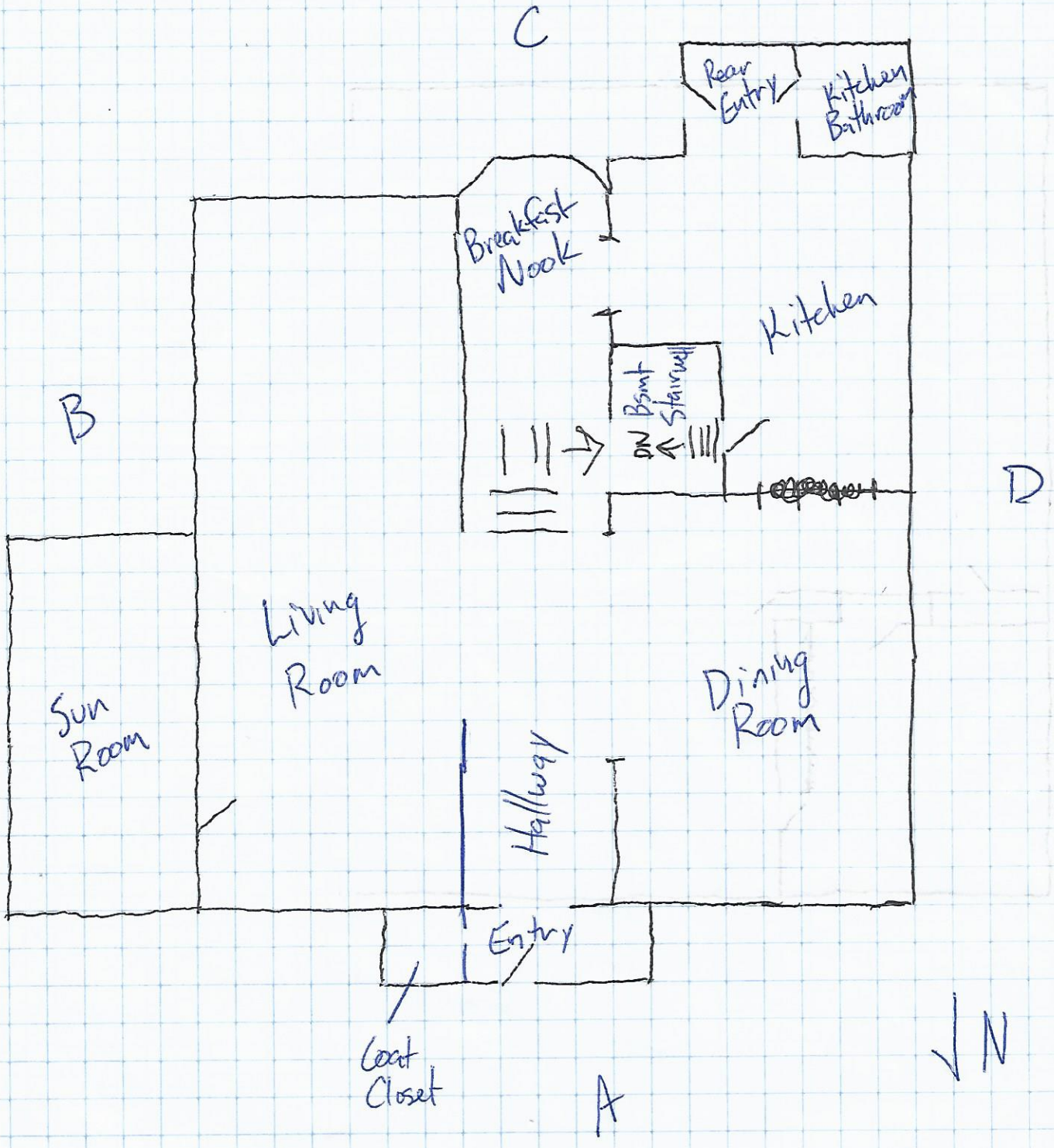
982	4/18/2018 14:08	PAINT	5.52	1	2nd	Hallway	a	white	plaster	ceiling	intact	Negative	< LOD	0.03	mg / cm ^2
983	4/18/2018 14:08	PAINT	3.32	10	2nd	Hallway	d	white	wood	baseboard	intact	Positive	3.6	1.2	mg / cm ^2
984	4/18/2018 14:09	PAINT	2.76	9.87	2nd	Hallway	d	white	wood	window sash	intact	Positive	4	2.1	mg / cm ^2
985	4/18/2018 14:09	PAINT	5.51	9.83	2nd	Hallway	d	white	wood	window sill	intact	Positive	2.6	0.8	mg / cm ^2
986	4/18/2018 14:09	PAINT	4.4	9.54	2nd	Hallway	d	white	wood	window trim	intact	Positive	2.4	0.9	mg / cm ^2
987	4/18/2018 14:10	PAINT	3.3	1	2nd	Hallway	c	stained	wood	handrail	intact	Negative	< LOD	0.03	mg / cm ^2
988	4/18/2018 14:10	PAINT	2.2	1	2nd	Hallway	c	stained	wood	baluster	intact	Negative	< LOD	0.04	mg / cm ^2
989	4/18/2018 14:10	PAINT	2.2	1.17	2nd	Hallway	c	stained	wood	newel post	intact	Negative	< LOD	0.05	mg / cm ^2
990	4/18/2018 14:10	PAINT	3.84	1	2nd	NW Bedroom	a	dark blue	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
991	4/18/2018 14:10	PAINT	4.41	1	2nd	NW Bedroom	b	dark blue	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
992	4/18/2018 14:11	PAINT	3.83	1	2nd	NW Bedroom	c	dark blue	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
993	4/18/2018 14:11	PAINT	8.28	1	2nd	NW Bedroom	d	dark blue	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
994	4/18/2018 14:12	PAINT	3.29	10	2nd	NW Bedroom	a	white	wood	window sash	intact	Positive	2.9	1	mg / cm ^2
995	4/18/2018 14:12	PAINT	2.73	10	2nd	NW Bedroom	a	white	wood	window sill	intact	Positive	3.4	2.1	mg / cm ^2
996	4/18/2018 14:12	PAINT	4.41	10	2nd	NW Bedroom	a	white	wood	window trim	intact	Positive	2.5	0.9	mg / cm ^2
997	4/18/2018 14:12	PAINT	1.65	1	2nd	NW Bedroom	a	stained	wood	floor	intact	Negative	< LOD	0.03	mg / cm ^2
998	4/18/2018 14:13	PAINT	4.94	8.08	2nd	NW Bedroom	a	white	wood	baseboard	intact	Positive	2.7	0.9	mg / cm ^2
999	4/18/2018 14:13	PAINT	2.21	1	2nd	NW Bedroom	c	stained	wood	door	intact	Negative	< LOD	0.05	mg / cm ^2
1000	4/18/2018 14:13	PAINT	4.42	10	2nd	NW Bedroom	c	white	wood	door trim	intact	Positive	2.1	0.9	mg / cm ^2
1001	4/18/2018 14:13	PAINT	4.39	8.42	2nd	NW Bedroom	c	white	wood	door jamb	intact	Positive	2.3	0.9	mg / cm ^2
1002	4/18/2018 14:14	PAINT	1.66	1	2nd	NW Closet	d	stained	wood	door	intact	Negative	< LOD	0.05	mg / cm ^2
1003	4/18/2018 14:14	PAINT	4.96	8.79	2nd	NW Closet	d	white	wood	door jamb	intact	Positive	2.3	0.8	mg / cm ^2
1004	4/18/2018 14:14	PAINT	4.41	10	2nd	NW Closet	d	white	wood	door trim	intact	Positive	3.2	1	mg / cm ^2
1005	4/18/2018 14:15	PAINT	7.13	1	2nd	NW Closet	a	beige	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
1006	4/18/2018 14:15	PAINT	2.74	7.42	2nd	NW Closet	b	white	wood	shelf	intact	Positive	2.2	1.2	mg / cm ^2
1007	4/18/2018 14:15	PAINT	4.94	8.08	2nd	NW Closet	b	white	wood	shelf support	intact	Positive	2	0.8	mg / cm ^2
1008	4/18/2018 14:16	PAINT	4.99	10	2nd	NW Closet	a	white	wood	step	intact	Positive	2.8	0.9	mg / cm ^2
1009	4/18/2018 14:16	PAINT	2.2	1	2nd	Bath by stairs	a	white	wood	french door	intact	Negative	< LOD	0.04	mg / cm ^2
1010	4/18/2018 14:16	PAINT	2.75	2.31	2nd	Bath by stairs	a	white	wood	french door jamb	intact	Negative	< LOD	0.11	mg / cm ^2
1011	4/18/2018 14:16	PAINT	4.41	10	2nd	Bath by stairs	a	white	wood	french door trim	intact	Positive	2.8	1	mg / cm ^2
1012	4/18/2018 14:17	PAINT	4.4	4.34	2nd	Bath by stairs	a	gray	plaster	wall	intact	Negative	< LOD	0.06	mg / cm ^2
1013	4/18/2018 14:17	PAINT	4.39	1.75	2nd	Bath by stairs	b	gray	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
1014	4/18/2018 14:17	PAINT	4.96	7.38	2nd	Bath by stairs	d	gray	plaster	wall	intact	Negative	< LOD	0.1	mg / cm ^2
1015	4/18/2018 14:18	PAINT	20	1.52	2nd	Bath by stairs	b	gray	ceramic	lower wall	intact	Null	0.7	0.1	mg / cm ^2
1016	4/18/2018 14:18	PAINT	5.51	1.49	2nd	Bath by stairs	b	gray	ceramic	lower wall	intact	Null	0.6	0.1	mg / cm ^2
1017	4/18/2018 14:18	PAINT	3.86	10	2nd	Bath by stairs	d	white	wood	window sash	intact	Positive	3.1	1.1	mg / cm ^2
1018	4/18/2018 14:19	PAINT	3.85	10	2nd	Bath by stairs	d	white	wood	window sill	intact	Positive	3	1	mg / cm ^2
1019	4/18/2018 14:19	PAINT	4.42	10	2nd	Bath by stairs	d	white	wood	window trim	intact	Positive	2.2	0.9	mg / cm ^2
1020	4/18/2018 14:19	PAINT	6.04	1.64	2nd	Bath by stairs	c	white	porcelain	bathtub	intact	Negative	0.14	0.05	mg / cm ^2
1021	4/18/2018 14:19	PAINT	3.29	10	2nd	Bath by stairs	d	white	wood	cabinet	intact	Positive	4.3	1.3	mg / cm ^2
1022	4/18/2018 14:20	PAINT	3.84	7.28	2nd	Bath by stairs	d	white	wood	cabinet frame	intact	Positive	2.4	0.7	mg / cm ^2
1023	4/18/2018 14:26	PAINT	2.18	1	EXT	N Exterior	a	stained	wood	door	intact	Negative	< LOD	0.03	mg / cm ^2
1024	4/18/2018 14:26	PAINT	2.19	3.71	EXT	N Exterior	a	brown	wood	door jamb	intact	Positive	3.4	1.2	mg / cm ^2
1025	4/18/2018 14:26	PAINT	2.19	3.83	EXT	N Exterior	a	brown	wood	door trim	intact	Positive	3.1	1.2	mg / cm ^2
1026	4/18/2018 14:27	PAINT	3.85	1	EXT	N Exterior	a	brown	metal	window sash	intact	Negative	< LOD	0.03	mg / cm ^2
1027	4/18/2018 14:27	PAINT	2.2	1	EXT	N Exterior	a	brown	metal	window frame	intact	Negative	< LOD	0.04	mg / cm ^2

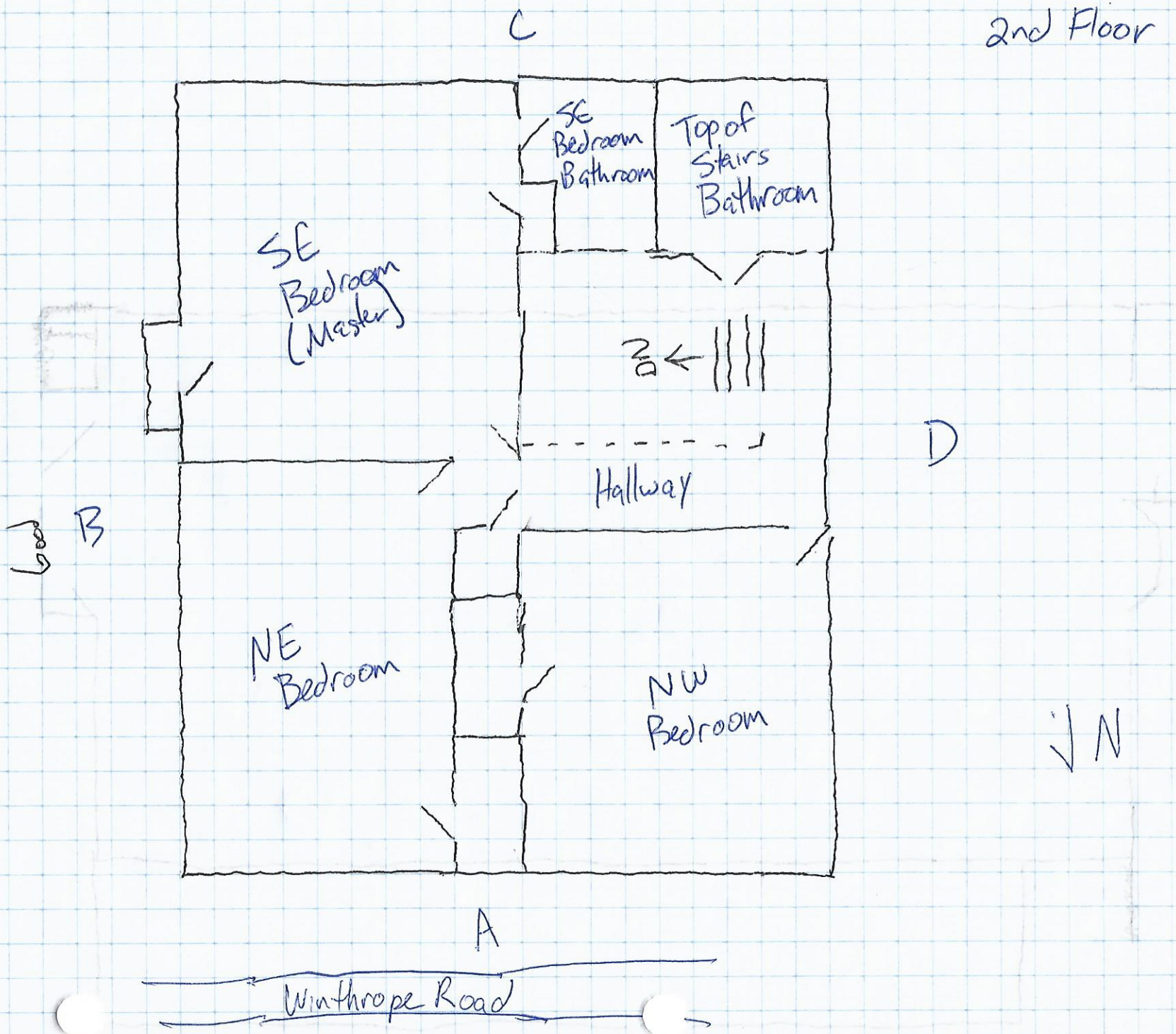
1028	4/18/2018 14:27	PAINT	2.2	1	EXT	N Exterior	a	brown	metal	gutter	intact	Negative	< LOD	0.03	mg / cm ^2
1029	4/18/2018 14:28	PAINT	6.61	3.82	EXT	N Exterior	a	brown	wood	siding trim	intact	Negative	0.6	0.2	mg / cm ^2
1030	4/18/2018 14:28	PAINT	2.2	1	EXT	N Exterior	a	yellow	plaster	siding	intact	Negative	< LOD	0.03	mg / cm ^2
1031	4/18/2018 14:29	PAINT	2.22	2.04	EXT	N Exterior	a	brown	wood	bsmt window trim	intact	Positive	2.4	0.7	mg / cm ^2
1032	4/18/2018 14:29	PAINT	6.6	3.87	EXT	E Exterior	b	brown	wood	soffit	intact	Positive	3.3	0.5	mg / cm ^2
1033	4/18/2018 14:30	PAINT	4.95	1	EXT	E Exterior	b	yellow	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
1034	4/18/2018 14:30	PAINT	2.21	1	EXT	E Exterior	b	brown	metal	screen door	intact	Negative	< LOD	0.03	mg / cm ^2
1035	4/18/2018 14:30	PAINT	2.2	1	EXT	E Exterior	b	brown	metal	window	intact	Negative	< LOD	0.03	mg / cm ^2
1036	4/18/2018 14:32	PAINT	4.42	1	EXT	S Exterior	c	yellow	plaster	wall	intact	Negative	< LOD	0.03	mg / cm ^2
1037	4/18/2018 14:32	PAINT	6.63	4.42	EXT	S Exterior	c	brown	wood	window trim	intact	Negative	0.6	0.2	mg / cm ^2
1038	4/18/2018 14:32	PAINT	2.21	6.34	EXT	S Exterior	c	brown	wood	window trim	intact	Negative	< LOD	0.52	mg / cm ^2
1039	4/18/2018 14:32	PAINT	2.76	8.17	EXT	S Exterior	c	brown	wood	window trim	intact	Positive	4.2	2.3	mg / cm ^2
1040	4/18/2018 14:32	PAINT	2.18	1	EXT	S Exterior	c	brown	wood	door	intact	Negative	< LOD	0.03	mg / cm ^2
1041	4/18/2018 14:33	PAINT	2.75	3.18	EXT	S Exterior	c	brown	wood	door jamb	intact	Positive	2.3	0.8	mg / cm ^2
1042	4/18/2018 14:33	PAINT	6.6	3.64	EXT	S Exterior	c	brown	wood	siding trim	intact	Positive	2.7	0.4	mg / cm ^2
1043	4/18/2018 14:34	PAINT	3.85	1.32	EXT	W Exterior	d	yellow	plaster	siding	intact	Negative	< LOD	0.03	mg / cm ^2
1044	4/18/2018 14:35	PAINT	4.44	1	EXT	W Garage	d	yellow	plaster	siding	intact	Negative	< LOD	0.03	mg / cm ^2
1045	4/18/2018 14:35	PAINT	2.2	1.19	EXT	W Garage	d	brown	wood	window sash	intact	Negative	< LOD	0.04	mg / cm ^2
1046	4/18/2018 14:35	PAINT	2.2	2.09	EXT	W Garage	d	brown	wood	window well	intact	Negative	< LOD	0.33	mg / cm ^2
1047	4/18/2018 14:35	PAINT	2.19	4.26	EXT	W Garage	d	brown	wood	window trim	intact	Positive	9.3	3.6	mg / cm ^2
1048	4/18/2018 14:36	PAINT	9.91	4.82	EXT	N Garage	a	brown	wood	garage door jamb	intact	Positive	1.3	0.2	mg / cm ^2
1049	4/18/2018 14:36	PAINT	2.76	5.45	EXT	N Garage	a	brown	wood	garage door trim	intact	Positive	4	1.5	mg / cm ^2
1050	4/18/2018 14:37	PAINT	1.67	1	EXT	N Garage	a	yellow	metal	garage door	intact	Negative	< LOD	0.03	mg / cm ^2
1051	4/18/2018 14:38	PAINT	4.41	5.83	BSMT	Stairwell	c	white	plaster	wall	intact	Negative	< LOD	1.4	mg / cm ^2
1052	4/18/2018 14:38	PAINT	3.86	4.88	BSMT	Stairwell	c	blue	wood	handrail	intact	Positive	2.1	0.5	mg / cm ^2
1053	4/18/2018 14:39	PAINT	4.42	5.89	BSMT	Stairwell	c	white	wood	stair trim	intact	Positive	2.3	0.9	mg / cm ^2
1054	4/18/2018 14:39	PAINT	2.22	2.28	BSMT	Stairwell	a	gray	wood	stair tread	intact	Negative	< LOD	0.32	mg / cm ^2
1055	4/18/2018 14:39	PAINT	2.21	3.2	BSMT	Stairwell	a	gray	wood	stair riser	intact	Positive	3.7	1.2	mg / cm ^2
1056	4/18/2018 14:40	PAINT	2.2	3.39	BSMT	Stairwell	d	white	wood	door	intact	Negative	< LOD	0.3	mg / cm ^2
1057	4/18/2018 14:40	PAINT	1.65	3.11	BSMT	Stairwell	d	white	wood	door	intact	Negative	< LOD	0.25	mg / cm ^2
1058	4/18/2018 14:40	PAINT	1.65	1	BSMT	Stairwell	d	white	wood	door jamb	intact	Negative	< LOD	0.03	mg / cm ^2
1059	4/18/2018 14:41	PAINT	2.75	1	BSMT	Stairwell	c	white	wood	slat wall	intact	Negative	< LOD	0.03	mg / cm ^2
1060	4/18/2018 14:41	PAINT	2.21	1.94	BSMT	Basement	a	white	wood	ceiling	intact	Negative	< LOD	0.07	mg / cm ^2
1061	4/18/2018 14:41	PAINT	1.64	1	BSMT	Basement	a	white	wood	slat wall	intact	Negative	< LOD	0.03	mg / cm ^2
1062	4/18/2018 14:42	PAINT	2.2	1	BSMT	Basement	d	white	wood	bsmt window sash	intact	Negative	< LOD	0.03	mg / cm ^2
1063	4/18/2018 14:42	PAINT	2.2	1.78	BSMT	Basement	a	white	wood	storage locker door	intact	Negative	< LOD	0.06	mg / cm ^2
1064	4/18/2018 14:43	PAINT	1.64	1	BSMT	Basement	c	white	wood	cabinet	intact	Negative	< LOD	0.03	mg / cm ^2
1065	4/18/2018 14:44	PAINT	20	1.1					NIST Calibration			Positive	1	0.1	mg / cm ^2
1066	4/18/2018 14:44	PAINT	20	1.06					NIST Calibration			Positive	1	0.1	mg / cm ^2
1067	4/18/2018 14:45	PAINT	20	1.09					NIST Calibration			Positive	1	0.1	mg / cm ^2

APPENDIX B

Site Drawing

1st Floor


C
Rear Entry
Kitchen Bathroom
Breakfast Nook
Kitchen
Basmt Stairwell
B
D
Living Room
Sun Room
Dining Room
Hallway
Entry
Coat Closet
A
N
Winthrope Road


C
2nd Floor
SE Bedroom Bathroom
Top of Stairs Bathroom
SE Bedroom (Master)
Hallway
D
B
NE Bedroom
NW Bedroom
N
A
Winthrope Road

ThermoFisher SCIENTIFIC

The world leader in serving science

January 26, 2015

Jeff Hurst
Axiom Service Professionals

Kansas City, Missouri
United States

Subject: Operator's Training Certificate – Thermo Scientific Niton XRF Analyzers

Dear Jeff:

Congratulations on having successfully completed the Thermo Fisher Scientific Operational Training Course for our handheld Thermo Scientific Niton x-ray florescence (XRF) analyzers. We admire your effort in attending this course and have enclosed your certificate of completion. This document certifies that you have been trained in device configuration, sample preparation, safe operation and analysis, interpretation of results, and routine maintenance pertaining to the use of the Thermo Scientific Niton XRF analyzer.

Please feel free to contact us to discuss your testing and analysis needs. Our trained, technical staff will help you identify best practices and testing methods that can increase productivity and help save you time and money.

We also welcome any comments you might have regarding the quality of the training you received. What did you like? How can we improve? Please e-mail your comments to Chip Whitman at chip.whitman@thermofisher.com. If you have any questions regarding the enclosed certificate, please contact Greta Kussmann at greta.kussmann@thermofisher.com .

Be sure to visit our web site at www.thermoscientific.com/pai for the latest news about our products, applications, and scheduled events. We are committed to solving your analysis needs.

Best regards,

Randy Wertz
Director, America Sales
Thermo Scientific Portable Analytical Instruments Inc.

CUSTOMER TRAINING

Thermo Scientific Niton XRF Analyzer Operator's Training Certificate

This is to certify that

Jeff Hurst

has successfully completed the Thermo Fisher Scientific Niton XRF Analyzer Operational Training Course. The topics of this course include device configuration, sample preparation, safe operation and analysis, interpretation of results, and routine maintenance of the Thermo Scientific Niton XRF Analyzer.

Course date: 2015-01-22
Location: Kansas City Office
Certificate Number: OP0036000001qQOdt

Randy Wertz
Director, America Sales

APPENDIX D

XRF PCS Sheet

Performance Characteristic Sheet

EFFECTIVE DATE: **September 24, 2004** **EDITION NO.: 1**

MANUFACTURER AND MODEL:

Make: *Niton LLC*
Tested Model: *XLp 300*
Source: ^{109}Cd
Note: This PCS is also applicable to the equivalent model variations indicated below, for the Lead-in-Paint K+L variable reading time mode, in the XLi and XLp series:

XLi 300A, XLi 301A, XLi 302A and XLi 303A.
XLp 300A, XLp 301A, XLp 302A and XLp 303A.
XLi 700A, XLi 701A, XLi 702A and XLi 703A.
XLp 700A, XLp 701A, XLp 702A, and XLp 703A.

Note: The XLi and XLp versions refer to the shape of the handle part of the instrument. The differences in the model numbers reflect other modes available, in addition to Lead-in-Paint modes. The manufacturer states that specifications for these instruments are identical for the source, detector, and detector electronics relative to the Lead-in-Paint mode.

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Lead-in-Paint K+L variable reading time mode.

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive)

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

SUBSTRATE CORRECTION:

For XRF results using Lead-in-Paint K+L variable reading time mode, substrate correction is <u>not</u> needed for:

Brick, Concrete, Drywall, Metal, Plaster, and Wood

INCONCLUSIVE RANGE OR THRESHOLD:

K+L MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm^2)
Results not corrected for substrate bias on any substrate	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	1.0
	Plaster	1.0
	Wood	1.0

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted in August 2004 on 133 testing combinations. The instruments that were used to perform the testing had new sources; one instrument's was installed in November 2003 with 40 mCi initial strength, and the other's was installed June 2004 with 40 mCi initial strength.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Substrate correction is not needed for brick, concrete, drywall, metal, plaster or wood when using Lead-in-Paint K+L variable reading time mode, the normal operating mode for these instruments. If substrate correction is desired, refer to Chapter 7 of the HUD Guidelines for guidance on correcting XRF results for substrate bias.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use the K+L variable time mode readings.

Conduct XRF retesting at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family housing a result is defined as the average of three readings. In multifamily housing, a result is a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF results.

Compute the average of all ten re-test XRF results.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

For the Lead-in-Paint K+L variable reading time mode, the instrument continues to read until it is moved away from the testing surface, terminated by the user, or the instrument software indicates the reading is complete. The following table provides testing time information for this testing mode. The times have been adjusted for source decay, normalized to the initial source strengths as noted above. Source strength and type of substrate will affect actual testing times. At the time of testing, the instruments had source strengths of 26.6 and 36.6 mCi.

Testing Times Using K+L Reading Mode (Seconds)

	All Data			Median for laboratory-measured lead levels (mg/cm^2)		
Substrate	25^{th} Percentile	Median	75^{th} Percentile	Pb < 0.25	0.25 ≤ Pb<1.0	1.0 ≤ Pb
Wood Drywall	4	11	19	11	15	11
Metal	4	12	18	9	12	14
Brick Concrete Plaster	8	16	22	15	18	16

CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than or equal to the threshold, and negative if they are less than the threshold.

DOCUMENTATION:

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.