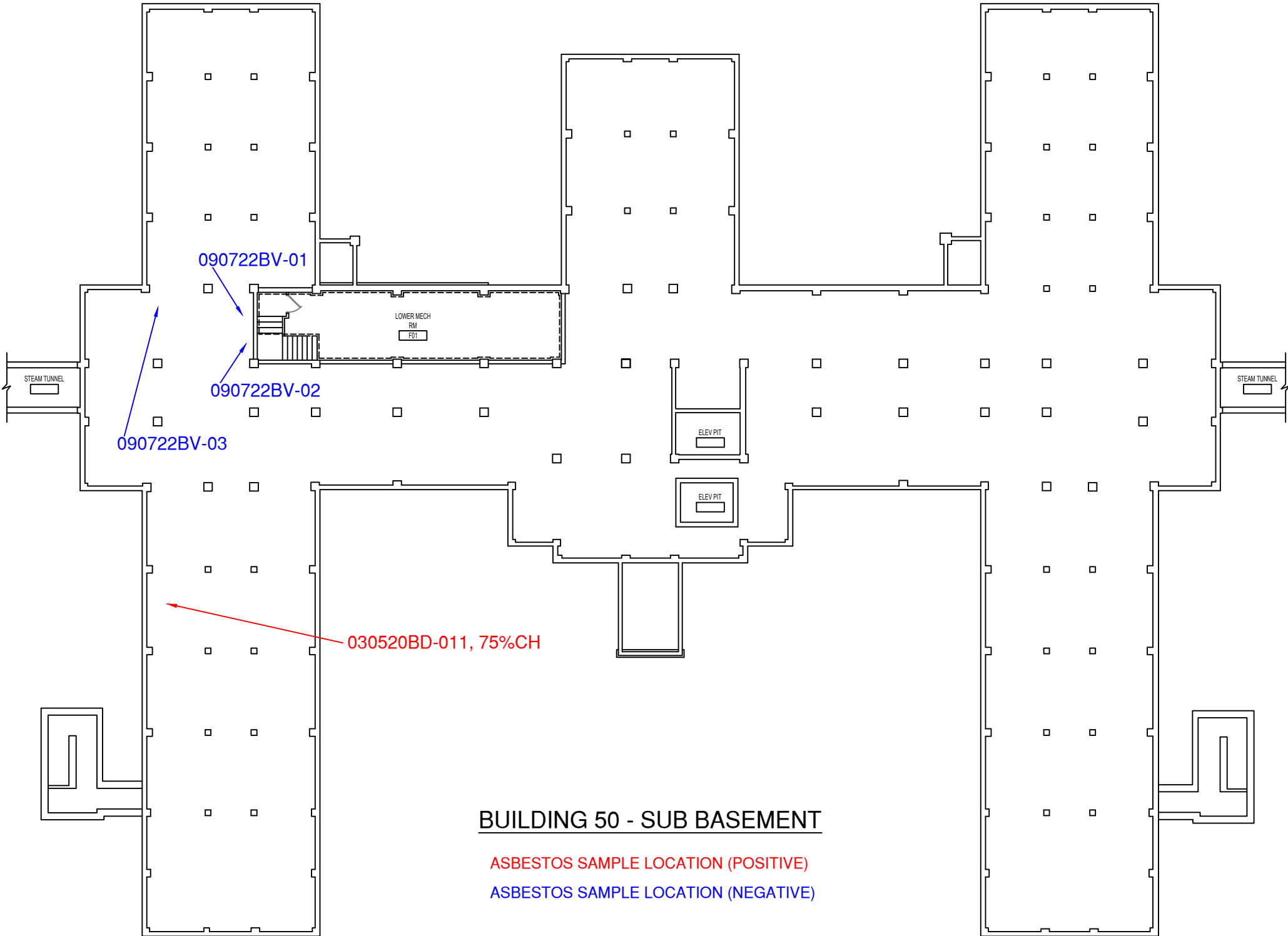


Asbestos  
Sample Locations  
&  
Laboratory Report

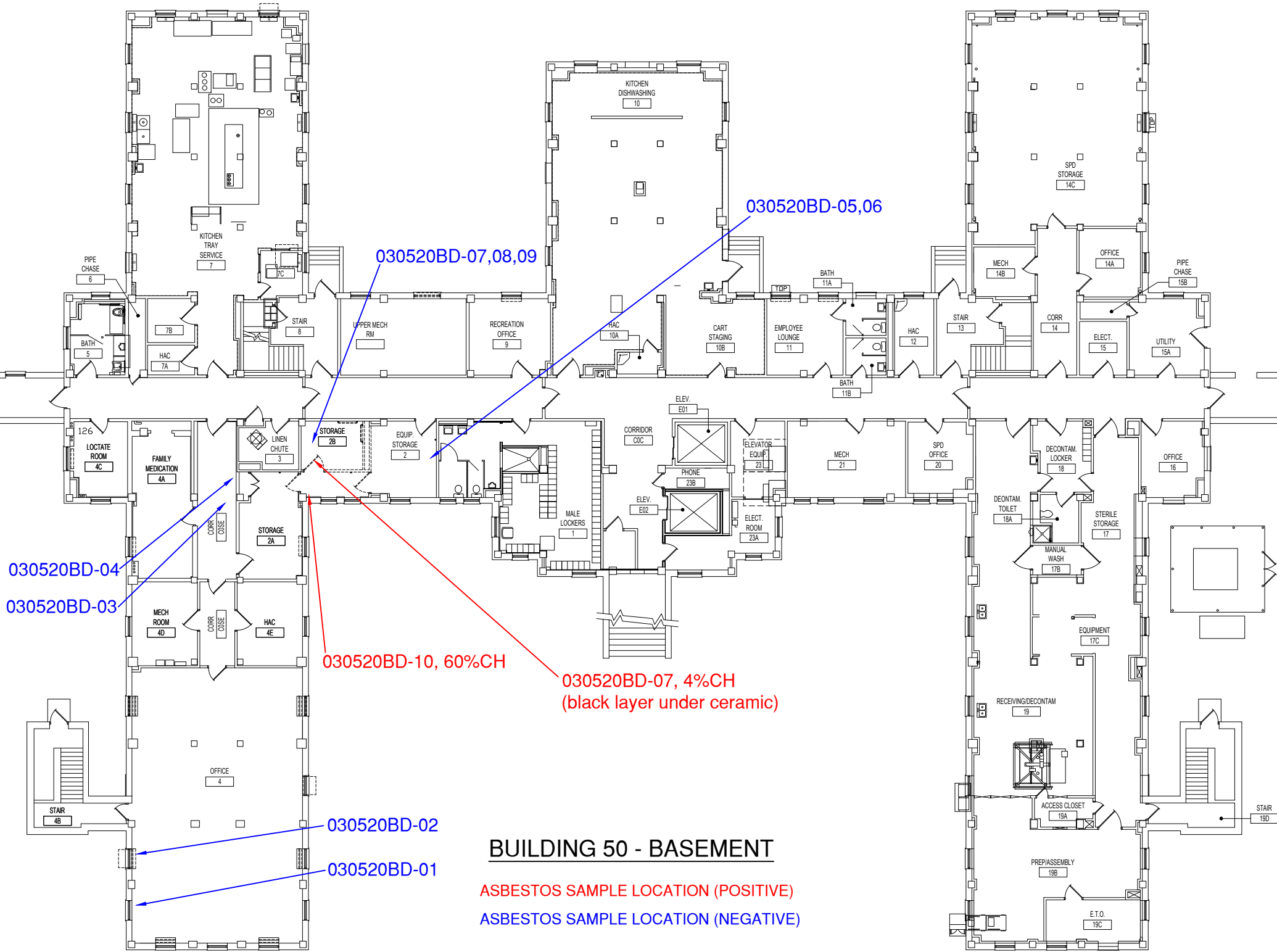




**BUILDING 50 - SUB BASEMENT**

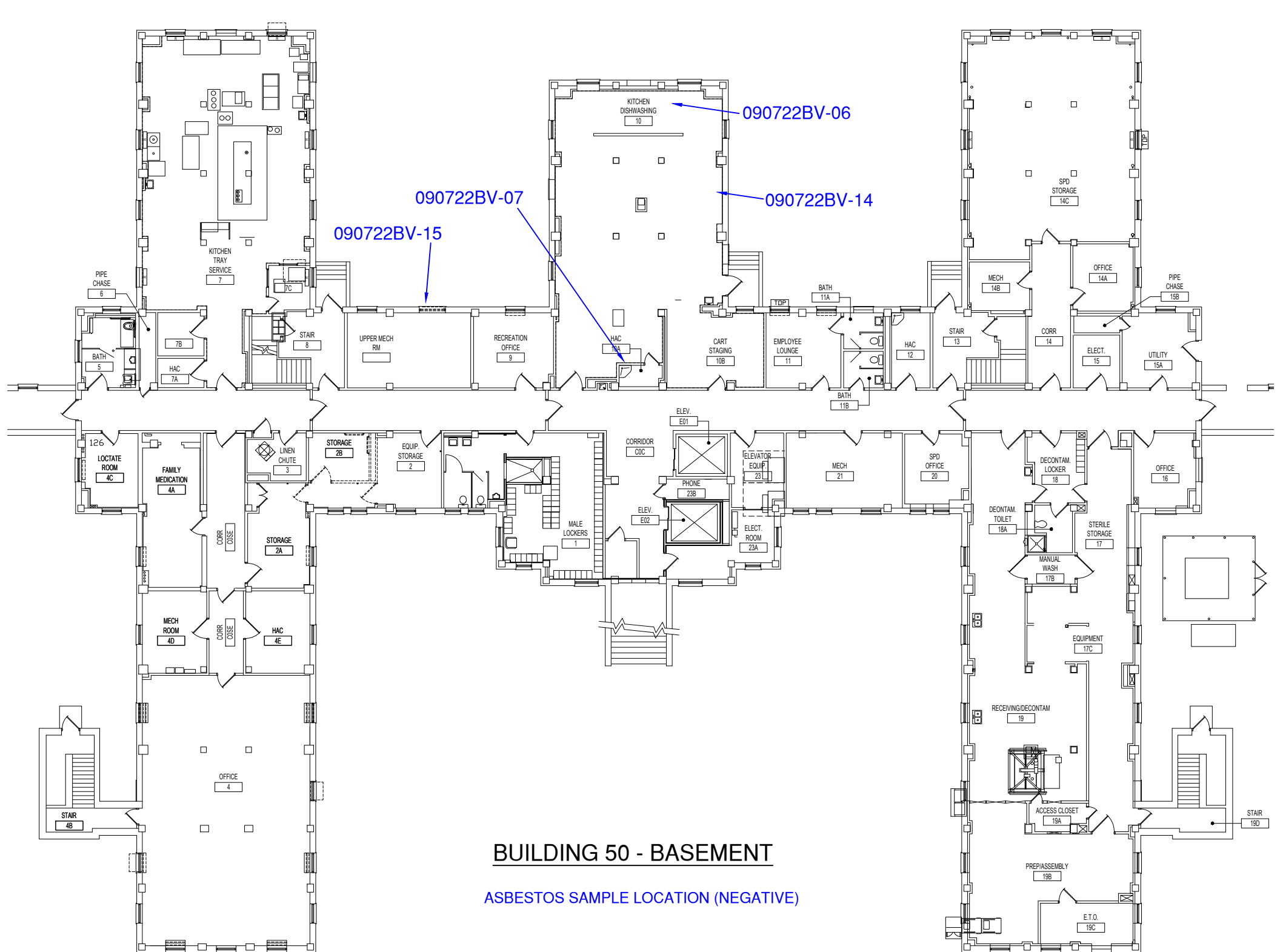
ASBESTOS SAMPLE LOCATION (POSITIVE)

ASBESTOS SAMPLE LOCATION (NEGATIVE)



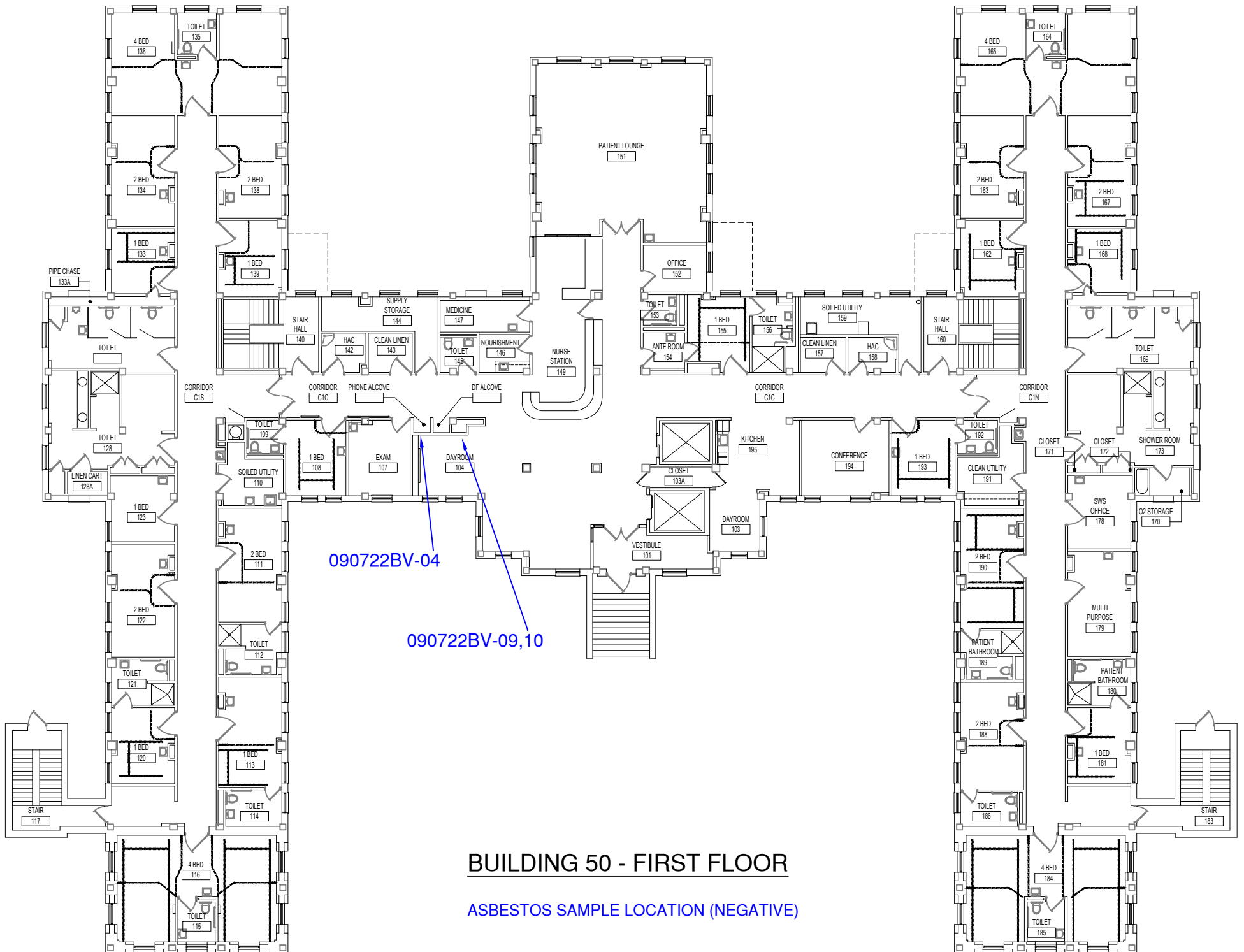
**BUILDING 50 - BASEMENT**

ASBESTOS SAMPLE LOCATION (POSITIVE)  
 ASBESTOS SAMPLE LOCATION (NEGATIVE)



**BUILDING 50 - BASEMENT**

ASBESTOS SAMPLE LOCATION (NEGATIVE)



**BUILDING 50 - FIRST FLOOR**

**ASBESTOS SAMPLE LOCATION (NEGATIVE)**



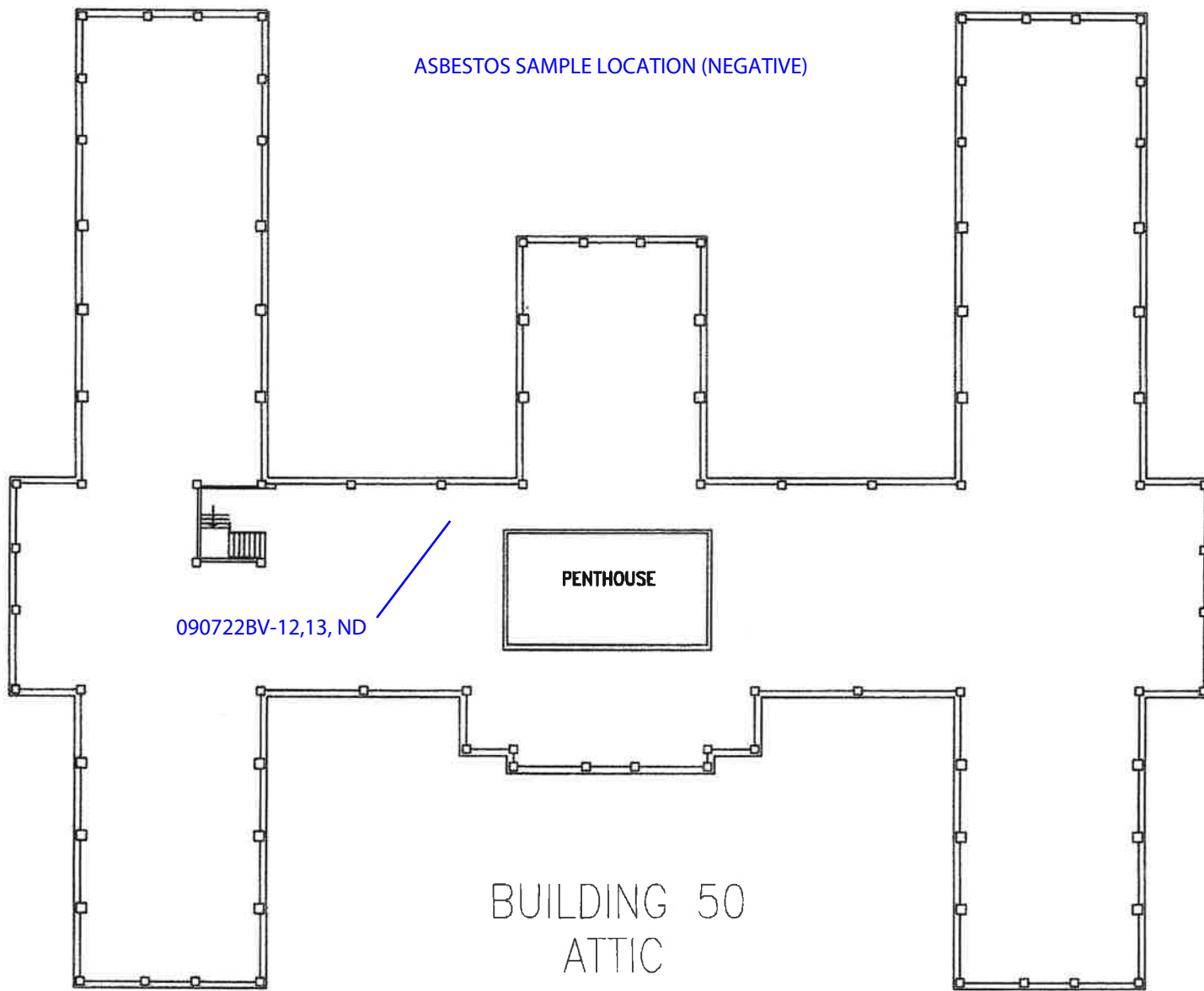


ASBESTOS SAMPLE LOCATION (NEGATIVE)

090722BV-12,13, ND

PENTHOUSE

BUILDING 50  
ATTIC





9201 West Broadway North, Suite 600  
 Brooklyn Park, MN 55445  
 (763) 315-7900  
 1-800-233-9513

02390

# CHAIN OF CUSTODY

Page 1 of 1

Client # \_\_\_\_\_ Project # 202010234 Building Name Sovamc B50 Shaded Areas are for Laboratory Use Only!  
 Client Geo Bancroft, LLC Project Name Rooms 2&4  
 Address \_\_\_\_\_ Contact Person \_\_\_\_\_ Contact Person Phone \_\_\_\_\_  
 Other Information \_\_\_\_\_

Verbal results to \_\_\_\_\_ Phone, Fax No. or E-Mail \_\_\_\_\_ TAT (circle) 6 hr  2d 3d 4d Specify \_\_\_\_\_  
 Verbal results relayed to \_\_\_\_\_ Verbal results relayed by \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Analysis location:  On Site  Lab  Regional Office  Other \_\_\_\_\_

Sample #	Work Area or Phase #	Comments / Location	Sample type or Material code	Volume	Matrix type			Analysis requested				Filter type		
					Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um
030520BD-01	Rm 4	INTERIOR WINDOW CAULK	X0A		<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-02	Rm 4	RADIATOR DROPT FILL	A5A		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-03	COSE	2x2 Ceiling Tile, DENTS & PINHOLES	I2A		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-04	COSE	TAPING COMPOUND (COMPOSITE ANALYSIS)	N0A		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-05	Rm 2	TEXTURED WALL PASTER	M0A		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-06	Rm 2	BASEBOARD ADHESIVE	R0A		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-07	Rm 2B	1x1 CERAMIC FLOOR TILE SYSTEM (Brown)	X0A		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-08	Rm 2B	4x4 CERAMIC WALL TILE SYSTEM (Beige)	X1B		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-09	Rm 2B	4x4 CERAMIC WALL TILE SYSTEM (White)	X1C		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-10	Rm 2	PERFORM FIBER INSULATION - VERTICLE STEAM	B3A		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-11	CRAWL SPACE	AIRCELL DEBRIS IN DIRT	B1A		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

The MN Department of Health Alternative Indoor Air Standard for this project is: \_\_\_\_\_ FICC. Batch Number: \_\_\_\_\_ Samples Acceptable?  Yes  No

Sampled by <u>Wm Dole</u>	Date <u>3/5/20</u>	Time <u>10:45</u>	Delivered by	Date	Time	Received by lab <u>Allin Dahl DB</u>	Date <u>3-6-20</u>	Time <u>8:00</u>	Entered by	Date	Time
Received by	Date	Time	Delivered by	Date	Time	Analysis by	Date	Time	Delivered by	Date	Time

OrderID: 352002390

Page 1 of 1





# EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427

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<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

<b>EMSL Order:</b> 352002390
<b>Customer ID:</b> IFEA50
<b>Customer PO:</b>
<b>Project ID:</b>

<b>Attention:</b> Jennifer Theis Inst. For Environmental Assessment 9201 West Broadway Suite 600 Brooklyn Park, MN 55445	<b>Phone:</b> (763) 315-7900 <b>Fax:</b> (763) 315-7920
<b>Project:</b> 202010234- SCVAMC B50	<b>Received Date:</b> 03/06/2020 8:00 AM <b>Analysis Date:</b> 03/09/2020 <b>Collected Date:</b> 03/05/2020

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030520BD-01 352002390-0001	Rm 4, Interior Window Caulk, X0A	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
030520BD-02 352002390-0002	Rm 4, Radiator Drop Fill, A5A	Brown/Gray Non-Fibrous Homogeneous	2% Cellulose	98.0% Non-fibrous (Other)	None Detected
030520BD-03 352002390-0003	COSE, 2x2 Ceiling Tile, Dents & Pinholes, I2A	Gray Fibrous Homogeneous	70% Cellulose 10% MinWool	10% Perlite 10.0% Non-fibrous (Other)	None Detected
030520BD-04 352002390-0004	COSE, Taping Compound (Composite Analysis), N0A	Tan/White Non-Fibrous Homogeneous	10% Cellulose 2% Glass	88.0% Non-fibrous (Other)	None Detected
This is a composite result of sheetrock, jt. compound, and tape					
030520BD-05 352002390-0005	Rm 2, Textured Wall Plaster, M0A	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
030520BD-06 352002390-0006	Rm 2, Baseboard Adhesive, R0A	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
030520BD-07 Ceramic Tile 352002390-0007	Rm 2B, 1x1 Ceramic Floor Tile System (Brown), X1A	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
030520BD-07 Adhesive 352002390-0007A	Rm 2B, 1x1 Ceramic Floor Tile System (Brown), X1A	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
030520BD-07 352002390-0007B	Grout Rm 2B, 1x1 Ceramic Floor Tile System (Brown), X1A	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 03/09/2020 11:13:36



# EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427

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<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

<b>EMSL Order:</b> 352002390
<b>Customer ID:</b> IFEA50
<b>Customer PO:</b>
<b>Project ID:</b>

<b>Attention:</b> Jennifer Theis Inst. For Environmental Assessment 9201 West Broadway Suite 600 Brooklyn Park, MN 55445	<b>Phone:</b> (763) 315-7900 <b>Fax:</b> (763) 315-7920
<b>Project:</b> 202010234- SCVAMC B50	<b>Received Date:</b> 03/06/2020 8:00 AM <b>Analysis Date:</b> 03/09/2020 <b>Collected Date:</b> 03/05/2020

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030520BD-07 Mastic 352002390-0007C	Rm 2B, 1x1 Ceramic Floor Tile System (Brown), X1A	Black Non-Fibrous Homogeneous		96.0% Non-fibrous (Other)	4% Chrysotile
030520BD-08 Ceramic Tile 352002390-0008	Rm 2B, 4x4 Ceramic Wall Tile System (Beige), X1B	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
030520BD-08 Grout 352002390-0008A	Rm 2B, 4x4 Ceramic Wall Tile System (Beige), X1B	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
030520BD-08 Mastic 352002390-0008B	Rm 2B, 4x4 Ceramic Wall Tile System (Beige), X1B	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
030520BD-08 Caulk 352002390-0008C	Rm 2B, 4x4 Ceramic Wall Tile System (Beige), X1B	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
030520BD-09 Ceramic Tile 352002390-0009	Rm 2B, 4x4 Ceramic Wall Tile System (White), X1C	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
030520BD-09 Grout 352002390-0009A	Rm 2B, 4x4 Ceramic Wall Tile System (White), X1C	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
030520BD-09 Adhesive 352002390-0009B	Rm 2B, 4x4 Ceramic Wall Tile System (White), X1C	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
030520BD-09 Caulk 352002390-0009C	Rm 2B, 4x4 Ceramic Wall Tile System (White), X1C	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
030520BD-10 352002390-0010	Rm 2, Preform Pipe Insulation- Verticle Steam, B3A	Gray/Tan Fibrous Homogeneous	10% Cellulose	30.0% Non-fibrous (Other)	60% Chrysotile

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 03/09/2020 11:13:36



# EMSL Analytical, Inc.

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<b>EMSL Order:</b> 352002390
<b>Customer ID:</b> IFEA50
<b>Customer PO:</b>
<b>Project ID:</b>

<b>Attention:</b> Jennifer Theis Inst. For Environmental Assessment 9201 West Broadway Suite 600 Brooklyn Park, MN 55445	<b>Phone:</b> (763) 315-7900 <b>Fax:</b> (763) 315-7920
<b>Project:</b> 202010234- SCVAMC B50	<b>Received Date:</b> 03/06/2020 8:00 AM <b>Analysis Date:</b> 03/09/2020 <b>Collected Date:</b> 03/05/2020

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030520BD-11	Crawl Space, Aircell	Gray		25.0% Non-fibrous (Other)	75% Chrysotile
352002390-0011	Debris in Dirt, B1A	Fibrous			
		Homogeneous			

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 03/09/2020 11:13:36



# EMSL Analytical, Inc.

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<b>EMSL Order:</b> 352002390
<b>Customer ID:</b> IFEA50
<b>Customer PO:</b>
<b>Project ID:</b>

<b>Attention:</b> Jennifer Theis Inst. For Environmental Assessment 9201 West Broadway Suite 600 Brooklyn Park, MN 55445  <b>Project:</b> 202010234- SCVAMC B50	<b>Phone:</b> (763) 315-7900 <b>Fax:</b> (763) 315-7920 <b>Received Date:</b> 03/06/2020 8:00 AM <b>Analysis Date:</b> 03/09/2020 <b>Collected Date:</b> 03/05/2020
---	---

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

### Report Comments:

Sample Receipt Date:	03/06/2020	Sample Receipt Time:	8:00 AM
Analysis Completed Date:	03/09/2020	Analysis Completed Time:	11:11 AM

### **Analyst(s):**

Ben Bunge PLM (20)

### **Samples Reviewed and approved by:**

Rachel Travis, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 03/09/2020 11:13:36





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 Brooklyn Park, MN 55445  
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8398

# CHAIN OF CUSTODY

Page \_\_\_ of \_\_\_

Order ID: 352208398

Client # _____	Project # <u>202010235</u>	Building Name <u>SCVAMC Bldg. 50</u>	Shaded Areas are for Laboratory Use Only!
Client <u>Geo Bancroft, LLC</u>	Project Name <u>MEPS</u>	Contact Person _____	
Address _____	Contact Person Phone _____	Other Information _____	

Verbal results to _____	Phone, Fax No. or E-Mail _____	TAT (circle) 6 hr <u>(1d)</u> 2d 3d 4d Specify	
Verbal results relayed to _____	Verbal results relayed by _____	Date _____	Time _____

Analysis location:  On Site  Lab  Regional Office  Other EMSL

Sample #	Work Area or Phase #	Comments / Location	Sample type or Material code	Volume	Matrix type			Analysis requested				Filter type		
					Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um
090722BV-01		Mudded Fitting on Fiberglass (CW Line) - Crawlspace		} stop @ first positive	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-02	"	"	<input type="radio"/>		<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-03	"	"	<input type="radio"/>		<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-04		12"x12" F.T. & Mastix - Day Room 104			<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-05		" - Corridor C2C			<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-06		Ceramic Quarry F.T. System - Room 10			<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-07		Ceramic w.T. System - Room 10			<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-08		" - Corridor C2C			<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-09		2'x2' Ceiling Tile - Day Room 104 (Large + Medium Dents w/ Pinholes)			<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-10		2'x2' Ceiling Tile - Day Room 104 (Small dents w/ pinholes)			<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-11		2'x2' Ceiling Tile - Corridor C2C (Textured w/ Revealed Edge)			<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-12		Duct caulk (olive) - Attic			<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

The MN Department of Health Alternative Indoor Air Standard for this project is: \_\_\_\_\_ F/CC. Batch Number: \_\_\_\_\_ Samples Acceptable?  Yes  No

Sampled by <u>Branden Voigt</u>	Date <u>9/7/22</u>	Time	Delivered by <u>Branden Voigt</u>	Date <u>9/8/22</u>	Time <u>11:15a</u>	Received by lab <u>Am W</u>	Date <u>9/8/22</u>	Time <u>11:15</u>	Entered by	Date	Time
Received by	Date	Time	Delivered by	Date	Time	Analysis by	Date	Time	Delivered by	Date	Time

Page 1 of 4





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# CHAIN OF CUSTODY

Page \_\_\_ of \_\_\_

Order ID: 352208398

Shaded Areas are for Laboratory Use Only!

Client # \_\_\_\_\_ Project # 202010235 Building Name SCV AMC Bldg. 50  
 Client Go Banco ft, LLC Project Name MEPS  
 Address \_\_\_\_\_ Contact Person \_\_\_\_\_ Contact Person Phone \_\_\_\_\_  
 Other Information \_\_\_\_\_

Verbal results to \_\_\_\_\_ Phone, Fax No. or E-Mail \_\_\_\_\_ TAT (circle) 6 hr  2d  3d  4d Specify \_\_\_\_\_  
 Verbal results relayed to \_\_\_\_\_ Verbal results relayed by \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Analysis location:  On Site  Lab  Regional Office  Other EMSL

Sample #	Work Area or Phase #	Comments / Location	Sample type or Material code	Volume	Matrix type			Analysis requested				Filter type			
					Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	8 um	45 um	
0907225V-13		Duct Caulk (Dark Green) - AHJZ			<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-14		PVC Wallboard Caulk - Room 10			<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-15		Exterior Window Caulk - Mech. Rm.			<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
					<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
					<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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The MN Department of Health Alternative Indoor Air Standard for this project is: \_\_\_\_\_ F/CC . Batch Number: \_\_\_\_\_ Samples Acceptable?  Yes  No

Sampled by <u>Branden Voigt</u>	Date <u>7/7/22</u>	Time <u>11:15a</u>	Delivered by <u>Branden Voigt</u>	Date <u>7/7/22</u>	Time <u>11:15a</u>	Received by lab	Date	Time	Entered by	Date	Time
Received by	Date	Time	Delivered by	Date	Time	Analysis by	Date	Time	Delivered by	Date	Time

Page 3 of 4



# EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427

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<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

<b>EMSL Order:</b> 352208398
<b>Customer ID:</b> IFEA50
<b>Customer PO:</b>
<b>Project ID:</b>

<b>Attention:</b> Spencer West Inst. For Environmental Assessment 9201 West Broadway Suite 600 Brooklyn Park, MN 55445	<b>Phone:</b> (763) 315-7900 <b>Fax:</b> (763) 315-7920 <b>Received Date:</b> 09/08/2022 11:15 AM <b>Analysis Date:</b> 09/08/2022 - 09/09/2022 <b>Collected Date:</b>
<b>Project:</b> 202010235- SCVAMC Bldg. 50	

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
090722BV-01 352208398-0001	Mudded Fitting on Fiberglass (CW Line)- Crawlspace	Gray Fibrous Homogeneous	15% Cellulose 10% MinWool	75.0% Non-fibrous (Other)	None Detected
090722BV-02 352208398-0002	Mudded Fitting on Fiberglass (CW Line)- Crawlspace	Gray Fibrous Homogeneous	15% Cellulose 10% MinWool	75.0% Non-fibrous (Other)	None Detected
090722BV-03 352208398-0003	Mudded Fitting on Fiberglass (CW Line)- Crawlspace	Gray Fibrous Homogeneous	15% Cellulose 10% MinWool	75.0% Non-fibrous (Other)	None Detected
090722BV-04- Floor Tile 352208398-0004	12"x12" F.T. & Mastic- Day Room 104	Green Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
090722BV-04- Mastic 352208398-0004A	12"x12" F.T. & Mastic- Day Room 104	Black Non-Fibrous Homogeneous	5% Cellulose	90.0% Non-fibrous (Other)	5% Chrysotile
090722BV-04- Adhesive 352208398-0004B	12"x12" F.T. & Mastic- Day Room 104	Yellow Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
090722BV-05- Floor Tile 352208398-0005	12"x12" F.T. & Mastic- Corridor C2C	Gray/White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
090722BV-05- Mastic 352208398-0005A	12"x12" F.T. & Mastic- Corridor C2C	Black Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
090722BV-05- Filler 352208398-0005B	12"x12" F.T. & Mastic- Corridor C2C	Tan/White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 09/09/2022 09:40:35



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<b>Project:</b> 202010235- SCVAMC Bldg. 50	

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
090722BV-06- Ceramic Tile 352208398-0006	Ceramic Quarry F.T. System- Room 10	Red Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
090722BV-06- Grout 352208398-0006A	Ceramic Quarry F.T. System- Room 10	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
090722BV-06- Bedding 352208398-0006B	Ceramic Quarry F.T. System- Room 10	Brown/Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
090722BV-07- Ceramic Tile 352208398-0007	Ceramic W.T. System- Room 10	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
090722BV-07- Grout 352208398-0007A	Ceramic W.T. System- Room 10	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
090722BV-07- Adhesive 352208398-0007B	Ceramic W.T. System- Room 10	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
090722BV-08- Ceramic Tile 352208398-0008	Ceramic W.T. System- Corridor C2C	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
090722BV-08- Grout 352208398-0008A	Ceramic W.T. System- Corridor C2C	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
090722BV-08- Adhesive 352208398-0008B	Ceramic W.T. System- Corridor C2C	Yellow Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
090722BV-09 352208398-0009	2'x2' Ceiling Tile- Day Room 104 (large + Medium Dents w/Pinholes)	Gray/White Fibrous Homogeneous	50% Cellulose 35% MinWool	10% Perlite 5.0% Non-fibrous (Other)	None Detected
090722BV-10 352208398-0010	2'x2' Ceiling Tile- Day Room 104 (small dents w/Pinholes)	Gray Fibrous Homogeneous	50% Cellulose 35% MinWool	15% Perlite 0.0% Non-fibrous (Other)	None Detected
090722BV-11 352208398-0011	2'x2' Ceiling Tile- Corridor C2C (Textured w/Revealed Edge)	Gray/White Fibrous Homogeneous	40% Cellulose 40% MinWool	15% Perlite 5.0% Non-fibrous (Other)	None Detected
090722BV-12 352208398-0012	Duct Caulk (Olive)- Attic	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
090722BV-13 352208398-0013	Duct Caulk (Dark Green)- Attic	Green Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
090722BV-14 352208398-0014	PVC Wallboard Caulk- Room 10	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
090722BV-15 352208398-0015	Exterior Window Caulk- Mech. Rm.	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected

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Initial report from: 09/09/2022 09:40:35



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The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

### Report Comments:

Sample Receipt Date:	09/08/2022	Sample Receipt Time:	11:15 AM
Analysis Completed Date:	09/09/2022	Analysis Completed Time:	9:36 AM

### **Analyst(s):**

Daniel Nordland PLM (25)

### **Samples Reviewed and approved by:**

Rachel Travis, Laboratory Manager  
or other approved signatory

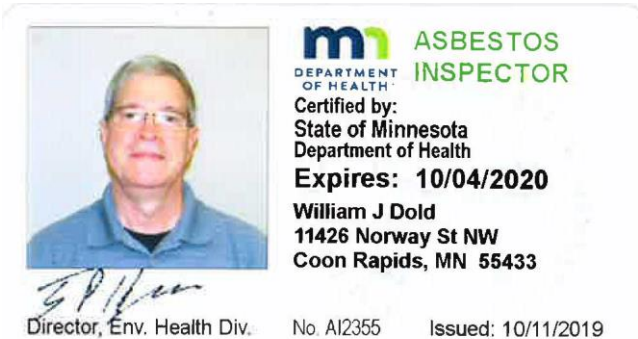
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Initial report from: 09/09/2022 09:40:35

# Asbestos Inspector State Certification/Accreditation

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The image shows a state certification card for an Asbestos Inspector. On the left is a headshot of a man with glasses and a blue shirt. Below the photo is a handwritten signature and the text "Director, Env. Health Div.". To the right of the photo is the Minnesota Department of Health logo, which includes a stylized 'm' and the text "DEPARTMENT OF HEALTH". Next to the logo is the text "ASBESTOS INSPECTOR". Below this, it says "Certified by: State of Minnesota Department of Health". The expiration date is "Expires: 10/04/2020". The certifier's name and address are "William J Dold, 11426 Norway St NW, Coon Rapids, MN 55433". At the bottom, the card number "No. AI2355" and the issue date "Issued: 10/11/2019" are printed.

**m** DEPARTMENT OF HEALTH **ASBESTOS INSPECTOR**  
Certified by:  
State of Minnesota  
Department of Health  
**Expires: 10/04/2020**  
William J Dold  
11426 Norway St NW  
Coon Rapids, MN 55433

*W J Dold*  
Director, Env. Health Div.      No. AI2355      Issued: 10/11/2019

# Asbestos Inspector State Certification/Accreditation

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*Branden D Voigt*  
Director, Env. Health Div.

**m** ASBESTOS  
DEPARTMENT OF HEALTH INSPECTOR

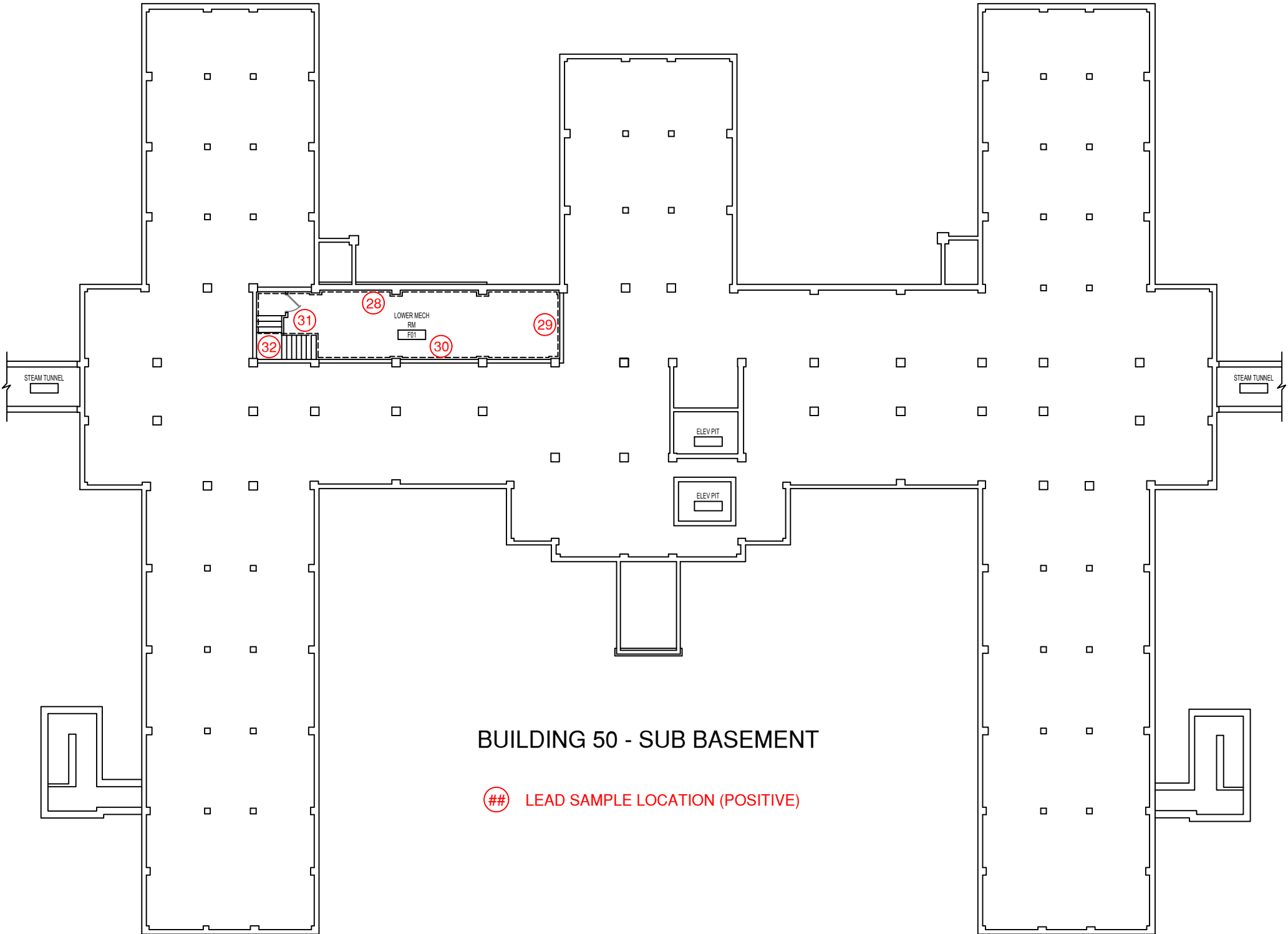
Certified by:  
State of Minnesota  
Department of Health  
**Expires: 08/05/2023**  
Branden D Voigt  
15784 Okapi St NW  
Ramsey, MN 55303

No. AI10892    Issued: 08/16/2022

# XRF

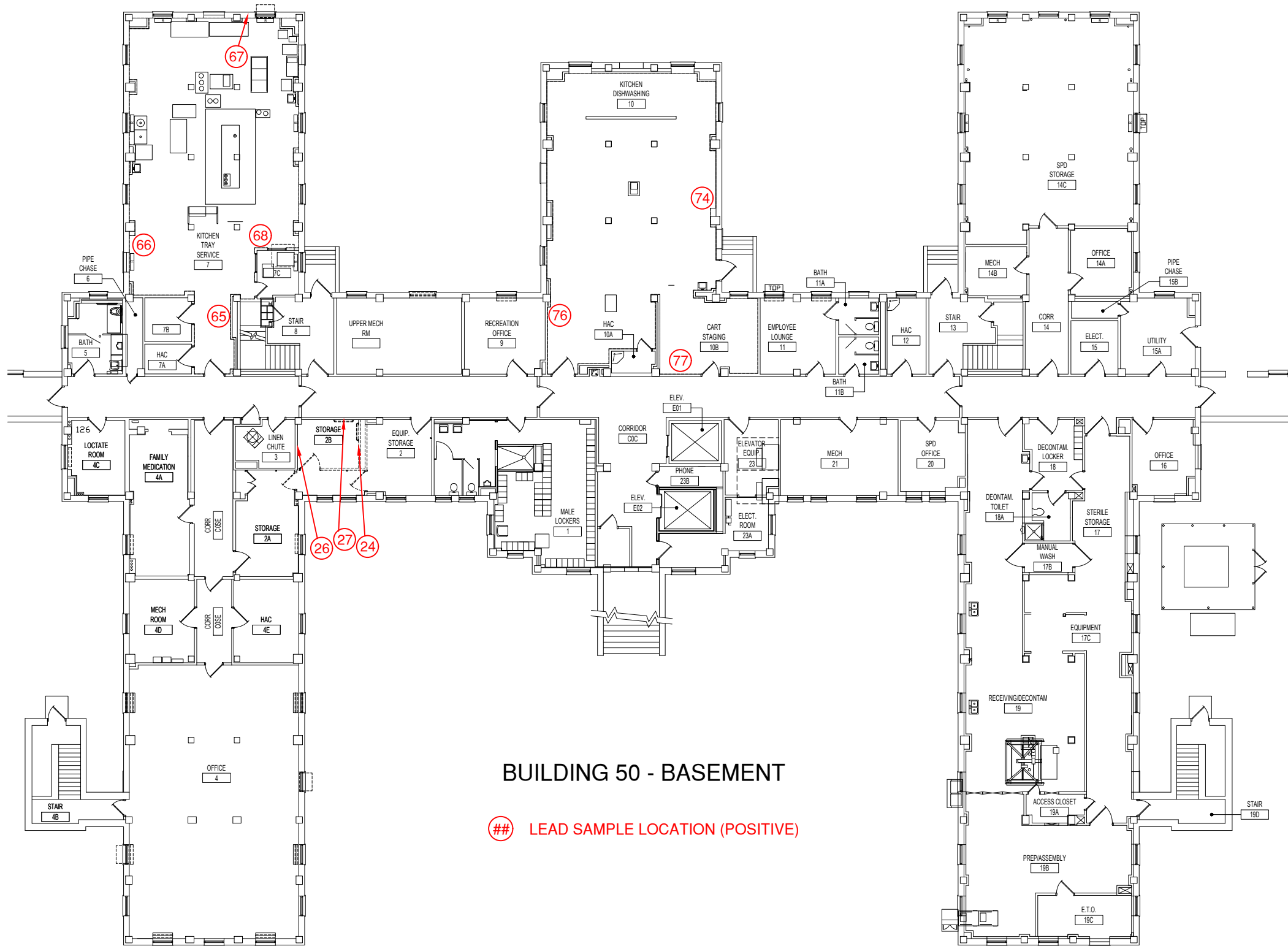
## Lead-Based Report





BUILDING 50 - SUB BASEMENT

## LEAD SAMPLE LOCATION (POSITIVE)



**BUILDING 50 - BASEMENT**

**## LEAD SAMPLE LOCATION (POSITIVE)**

**SCVAMC - Building 50**  
**XRF Results**

Reading No	Time	Duration	Component	Substrate	Color	Condition	Side	Room	Results	Depth Index	PbC
1	3/5/2020 10:38	4.02	Calibration		Red				Positive	1.16	1.2
2	3/5/2020 10:38	4.02	Calibration		Red				Positive	1.17	1.2
3	3/5/2020 10:39	12.06	Calibration		Red				Positive	1.08	1.1
4	3/5/2020 10:41	3.57	Wall	Concrete	Beige	Intact	South	4	Negative	3.18	0.06
5	3/5/2020 10:41	3.57	Wall	Brick	Beige	Intact	South	4	Negative	1.91	0.02
6	3/5/2020 10:41	3.57	Wall	Brick	Beige	Intact	East	4	Negative	3.92	0.02
7	3/5/2020 10:42	4.03	Wall	Concrete	Beige	Intact	East	4	Negative	6.54	0.16
8	3/5/2020 10:42	9.38	Baseboard	Concrete	Brown	Intact	South	4	Negative	2.09	0.4
9	3/5/2020 10:43	3.58	Ceiling	Concrete	White	Intact		4	Negative	7.23	0.09
10	3/5/2020 10:43	2.69	Beam	Concrete	White	Intact		4	Negative	5.49	0.08
11	3/5/2020 10:44	3.57	Column	Concrete	Beige	Intact		4	Negative	1.45	0.02
12	3/5/2020 10:45	1.34	Radiator	Metal	Beige	Intact	South	4	Negative	3.09	0.09
13	3/5/2020 10:45	1.34	Door Frame	Metal	Brown	Intact	South	4	Negative	1	0
14	3/5/2020 10:46	1.34	Door	Metal	Brown	Intact	South	4	Negative	1	0
15	3/5/2020 10:46	1.34	Pipe	Metal	White	Intact		4	Negative	2.05	0.04
16	3/5/2020 11:11	3.58	Wall	Plaster	Gray	Intact	South	2	Negative	1	0
17	3/5/2020 11:11	3.55	Wall	Plaster	Beige	Intact	West	2	Negative	1	0
18	3/5/2020 11:12	3.57	Wall	Plaster	Beige	Intact	North	2	Negative	1	0
19	3/5/2020 11:12	6.24	Baseboard	Vinyl	Brown	Intact	North	2	Negative	1	0
20	3/5/2020 11:13	1.34	Door	Metal	Brown	Intact	West	2	Negative	1	0
21	3/5/2020 11:13	1.34	Door Frame	Metal	Brown	Intact	West	2	Negative	1	0
22	3/5/2020 11:14	3.58	Ceiling	Concrete	White	Peeling		2	Negative	2.56	0.05
23	3/5/2020 11:16	1.35	Floor	Ceramic	Brown	Intact		2-B	Negative	1	0
24	3/5/2020 11:16	3.57	Wall	Ceramic	Beige	Intact	North	2-B	Positive	2.24	1.5
25	3/5/2020 11:17	3.6	Wall	Ceramic	White	Intact	East	2-B	Negative	2.33	0.02
26	3/5/2020 11:18	4.49	Wall	Ceramic	Beige	Intact	South	2-B	Positive	2.01	1.3
27	3/5/2020 11:19	1.78	Wall	Ceramic	Beige	Intact	West	2-B	Positive	2.89	2
28	3/5/2020 11:56	1.34	Wall	Concrete	Beige	Intact	West	B50 Service Room	Positive	1.67	2
29	3/5/2020 11:56	1.78	Wall	Concrete	Beige	Intact	North	B50 Service Room	Positive	1.55	1.7
30	3/5/2020 11:57	13.46	Wall	Concrete	Beige	Intact	East	B50 Service Room	Positive	1.41	1.1
31	3/5/2020 12:00	2.24	Wall	Block	Beige	Intact	South	B50 Service Room Stairs	Positive	1.58	1.6
32	3/5/2020 12:01	3.13	Ceiling	Plaster	Beige	Intact	South	B50 Service Room Stairs	Positive	1.63	1.4
33	3/5/2020 12:03	4.92	Wall	Plaster	Beige	Intact	West	Hall by RR 5	Negative	7.9	0.14
34	3/5/2020 12:06	3.59	Ceiling	Plaster	Beige	Intact		Hall by RR 5	Negative	3.28	0.06
35	3/5/2020 12:08	2.23	Wall	Drywall	Beige	Intact	North	RM 4 Corridor	Negative	1	0
36	3/5/2020 12:09	1.34	Ceiling	Concrete	White	Intact		RM 4 Corridor	Negative	1	0.01
37	3/5/2020 12:11	4.47	Wall	Plaster	Beige	Intact	East	Hall by RM 1-C	Negative	5.39	0.16
38	3/5/2020 12:13	3.15	Ceiling	Plaster	Beige	Intact		Hall by RM 1-C	Negative	6.1	0.06
39	3/5/2020 12:19	8.95	Wall	Plaster	Beige	Intact	North	Hall by Elevators	Negative	9.29	0.28
40	3/5/2020 12:20	3.57	Ceiling	Concrete	White	Intact		Hall by Elevators	Negative	6.44	0.08
41	3/5/2020 12:22	5.34	Wall	Plaster	Beige	Intact	West	Hall by RM 12	Negative	10	0.05
42	3/5/2020 12:25	4.02	Ceiling	Concrete	White	Intact		Hall by RM 12	Negative	3.03	0.14
43	3/5/2020 12:27	5.84	Wall	Plaster	Beige	Intact	North	11	Negative	6.73	0.18
44	3/5/2020 12:28	3.59	Wall	Plaster	Beige	Intact	West	11	Negative	4.8	0.2
45	3/5/2020 12:29	4.47	Ceiling	Concrete	White	Intact		11	Negative	4.8	0.13
46	3/5/2020 12:30	3.12	Wall	Drywall	Beige	Intact	North	14	Negative	1	0
47	3/5/2020 12:33	3.57	Ceiling	Concrete	White	Intact		14	Negative	5.03	0.14
48	3/5/2020 12:35	6.28	Wall	Plaster	Beige	Intact	East	Hall by RM 16	Negative	5.85	0.19
49	3/5/2020 12:37	1.8	Ceiling	Plaster	Beige	Intact		Hall by RM 16	Negative	1	0
50	3/5/2020 12:41	4.92	Calibration		Red				Positive	1.15	1.2
51	3/5/2020 12:42	20	Calibration		Red				Positive	1.08	1
52	3/5/2020 12:42	10.3	Calibration		Red				Positive	1.08	1.1
53	9/7/2022 9:58	9.19	Calibration		Red				Positive	1.12	1.1
54	9/7/2022 9:59	9.18	Calibration		Red				Positive	1.11	1.1
55	9/7/2022 10:00	14.95	Calibration		Red				Positive	1.11	1.1
56	9/7/2022 10:31	3.06	Wall	Plaster	Green	Intact	West	104	Negative	1	0
57	9/7/2022 10:31	1.06	Shelf	Wood	White	Intact	South	104	Negative	1	0
58	9/7/2022 10:35	3.08	Wall	Ceramic	Beige	Intact	East	Cooridor C2C	Negative	2.03	0.03
59	9/7/2022 10:37	3.06	Wall	Plaster	Beige	Intact	East	Cooridor C2C	Negative	1	0
60	9/7/2022 10:38	3.77	Wall	Plaster	Tan	Intact	East	Cooridor C2C	Negative	1	0
61	9/7/2022 11:02	1.07	Door Frame	Metal	Brown	Intact	West	2	Negative	1	0
62	9/7/2022 11:02	1.06	Door	Metal	Brown	Intact	West	2	Negative	1	0
63	9/7/2022 11:11	1.06	Radiator	Metal	White	Intact	North	4	Negative	3.8	0.14
64	9/7/2022 11:11	1.06	Radiator	Metal	White	Intact	South	4	Negative	4.55	0.1
65	9/7/2022 11:26	5.31	Wall	Ceramic	White	Intact	North	7	Positive	2.07	1.2
66	9/7/2022 11:27	3.43	Wall	Ceramic	White	Intact	South	7	Positive	2.29	1.3
67	9/7/2022 11:27	3.3	Wall	Ceramic	White	Intact	West	7	Positive	2.56	1.5
68	9/7/2022 11:28	5.68	Wall	Ceramic	White	Intact	East	7	Positive	2.16	2.1
69	9/7/2022 11:29	3.31	Baseboard	Ceramic	Brown	Intact	East	7	Negative	2.58	0.01



**SCVAMC - Building 50**  
**XRF Results**

Reading No	Time	Duration	Component	Substrate	Color	Condition	Side	Room	Results	Depth Index	PbC
70	9/7/2022 11:31	3.18	Floor	Ceramic	Brown	Intact		7	Negative	1	0
71	9/7/2022 11:32	4.26	Floor	Ceramic	Tan	Intact		7	Negative	3.24	0.03
72	9/7/2022 11:36	3.3	Floor	Ceramic	Tan	Intact		10	Negative	1	0
73	9/7/2022 11:36	3.3	Floor	Ceramic	Brown	Intact		10	Negative	1	0
74	9/7/2022 11:37	5.07	Wall	Ceramic	White	Intact	North	10	Positive	2.86	1.3
75	9/7/2022 11:38	3.19	Wall	Ceramic	White	Intact	West	10	Negative	1	0
76	9/7/2022 11:41	3.43	Wall	Ceramic	White	Intact	South	10	Positive	2.58	1.5
77	9/7/2022 11:43	16.02	Wall	Ceramic	White	Intact	East	10	Positive	2.22	1.6
78	9/7/2022 12:01	6.27	Radiator	Metal	White	Intact	West	9	Negative	7.27	0.09
79	9/7/2022 12:07	1.06	Radiator	Metal	White	Intact	West	11	Negative	4.67	0.1
80	9/7/2022 13:54	14.03	Calibration		Red				Positive	1.13	1.1
81	9/7/2022 13:54	8.85	Calibration		Red				Positive	1.12	1.1
82	9/7/2022 13:55	3.18	Calibration		Red				Positive	1.23	1.2

## Lead Risk Assessor Certification/Accreditation

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*Branden D Voigt*  
Director, Env. Health Div.

**m** LEAD  
DEPARTMENT OF HEALTH Risk Assessor

Licensed by:  
State of Minnesota  
Department of Health  
License No. LR3877  
Expires 01/07/2023

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