



Mystic Air Quality Consultants, Inc.

1204 North Road, Groton, Connecticut 06340

www.mysticair.com

maq2@aol.com

800 247-7746

December 2, 2021

Marcia Welsh
Region 18, Lyme-Old Lyme Schools
49 Lyme Street
Old Lyme, CT 06371

Re: Radon 5 year Re-Testing Lyme-Old Lyme Schools (11/22 & 24/21)

Dear Marcia:

As requested, Mystic Air Quality Consultants, Inc. conducted radon testing at the above location on November 22nd & 24th, 2021. The kits were placed in their respective locations at your facility, then picked up and mailed to the lab on November 24th, 2021, where Mystic Air Quality arranged for analytical services.

The results for radon in air are summarized below:

A concentration of 4.0 picocuries of radon per liter of air (pCi/L) is the threshold at which the US EPA recommends further testing and consideration of remediation.

Location	Radon Test Kit #	Result (pCi/L)
Lyme-Old Lyme High School -1st Floor		
Room 119	7349956	< 0.3
Room 128 (dup)	7349957	0.7 ± 0.3
Room 151 K	7349958	0.5 ± 0.3
Room 114	7349959	0.6 ± 0.3
Room 128	7349960	0.6 ± 0.3
Room 110	7349961	0.7 ± 0.3
Room 101	7349962	0.7 ± 0.3
Blank	7349994	< 0.3
Lyme-Old Lyme Middle School -1st Floor		
Room 204	7349963	0.7 ± 0.3
Room 204 (dup)	7349964	0.9 ± 0.3
Room 109	7349966	< 0.3
Room 418	7349967	< 0.3
Main Office	7349968	0.7 ± 0.3
Room 307	7349969	< 0.3
Room 302	7349988	< 0.3
Room 401	7349993	< 0.3
Room 104	7349995	< 0.3
Blank	7349996	< 0.3



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The results for radon in air are summarized below:

A concentration of 4.0 picocuries of radon per liter of air (pCi/L) is the threshold at which the US EPA recommends further testing and consideration of remediation.

Location	Radon Test Kit #	Result (pCi/L)
Center Elementary School -1st Floor		
Business	7349965	< 0.3
Room 113	7349970	< 0.3
Room 113 (dup)	7349971	< 0.3
Room 128	7349972	< 0.3
Main Office	7349973	0.9 ± 0.3
Room 133	7349977	< 0.3
Blank	7349991	< 0.3
205 Mile Creek School -1st Floor		
Room 10	7349982	< 0.3
Room 23	7349983	< 0.3
Room 23	7349985	0.7 ± 0.3
Room 32	7349986	< 0.3
Room 4	7349987	< 0.3
Blank	7350002	< 0.3
Lyme Consolidated School -1st Floor		
Room 13	7349974	< 0.3
Room 8	7349975	< 0.3
Room 8 (dup)	7349976	< 0.3
Room 2	7349979	0.7 ± 0.3
Room 15	7349980	0.9 ± 0.3
Main Office	7349981	1.0 ± 0.3
Blank	7350001	< 0.3

Supporting documentation is attached. Thank you for selecting Mystic Air Quality Consultants, Inc. for these services.

Sincerely,


Christopher J. Eident CIH, CSP, RS
CEO

Attention:

Kit #: 7349956 Result: < 0.3 pCi/l
Location: 1st Floor 119

69-1 Lyme St #119
Old Lyme, CT 06379-

Analysis Note :

Analyzed : 2021-11-26 at 12:00 pm

Started : 2021-11-22 at 12:00 pm

Ended : 2021-11-24 at 1:00 pm

Hours/MST% : 49 hours 1.2% 70°F

Kit #: 7349957 Result: 0.7 ± 0.3 pCi/l
Location: 1st Floor 128

69-1 Lyme St #128
Old Lyme, CT 06379-

Analysis Note :

Analyzed : 2021-11-26 at 12:00 pm

Started : 2021-11-22 at 12:00 pm

Ended : 2021-11-24 at 1:00 pm

Hours/MST% : 49 hours 2.1% 70°F

Kit #: 7349958 Result: 0.5 ± 0.3 pCi/l
Location: 1st Floor 151k

69-1 Lyme St #151 K
Old Lyme, CT 06379-

Analysis Note :

Analyzed : 2021-11-26 at 12:00 pm

Started : 2021-11-22 at 12:00 pm

Ended : 2021-11-24 at 1:00 pm

Hours/MST% : 49 hours 1.2% 70°F

Kit #: 7349959 Result: 0.6 ± 0.3 pCi/l
Location: 1st Floor 114

69-1 Lyme St #114
Old Lyme, CT 06379-

Analysis Note :

Analyzed : 2021-11-26 at 12:00 pm

Started : 2021-11-22 at 12:00 pm

Ended : 2021-11-24 at 1:00 pm

Hours/MST% : 49 hours 1.2% 70°F

Kit #: 7349960 Result: 0.6 ± 0.3 pCi/l
Location: 1st Floor 128

69-1 Lyme St #128
Old Lyme, CT 06379-

Analysis Note :

Analyzed : 2021-11-26 at 12:00 pm

Started : 2021-11-22 at 12:00 pm

Ended : 2021-11-24 at 1:00 pm

Hours/MST% : 49 hours 2.0% 70°F

Kit #: 7349961 Result: 0.7 ± 0.3 pCi/l
Location: 1st Floor 110

69-1 Lyme St #110
Old Lyme, CT 06379-

Analysis Note :

Analyzed : 2021-11-26 at 12:00 pm

Started : 2021-11-22 at 12:00 pm

Ended : 2021-11-24 at 1:00 pm

Hours/MST% : 49 hours 2.1% 70°F

Attention:Kit #: 7349962 Result: 0.7 ± 0.3 pCi/l

Location: 1st Floor 101

69-1 Lyme St #101

Old Lyme, CT 06379-

Analysis Note :

Analyzed : 2021-11-26 at 12:00 pm

Started : 2021-11-22 at 12:00 pm

Ended : 2021-11-24 at 1:00 pm

Hours/MST% : 49 hours 2.1% 70°F

Kit #: 7349994 Result: < 0.3 pCi/l

Location:

69 Lyme St # 1

Old Lyme, CT 06371-2359

Analysis Note :

Analyzed : 2021-11-26 at 12:00 pm

Started : 2021-11-22 at 12:00 pm

Ended : 2021-11-24 at 1:00 pm

Hours/MST% : 49 hours 1.2% 70°F

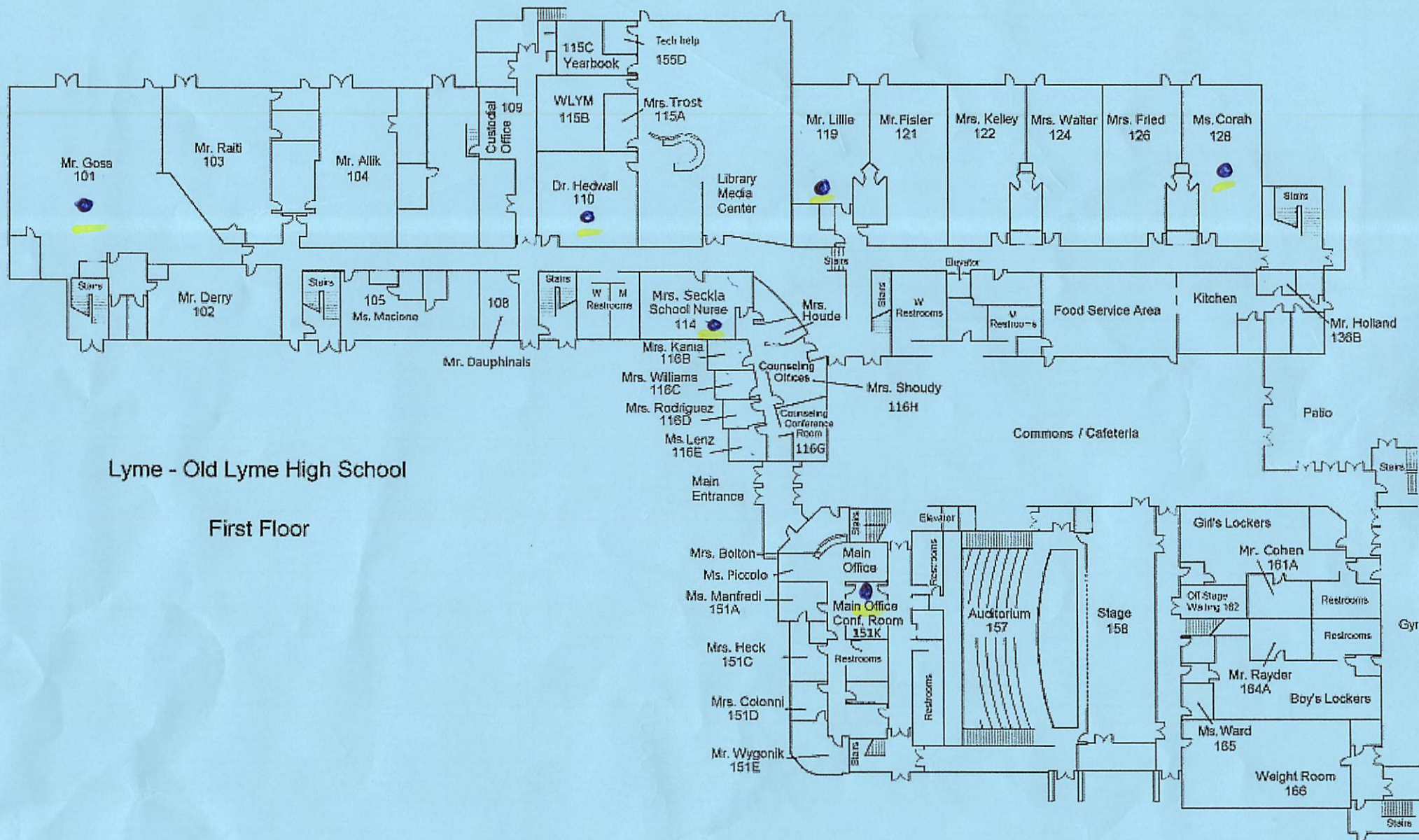
Mystic Air Quality Consultants, Inc.
1204 North Road, Groton, Connecticut 06340 (860) 449-8903

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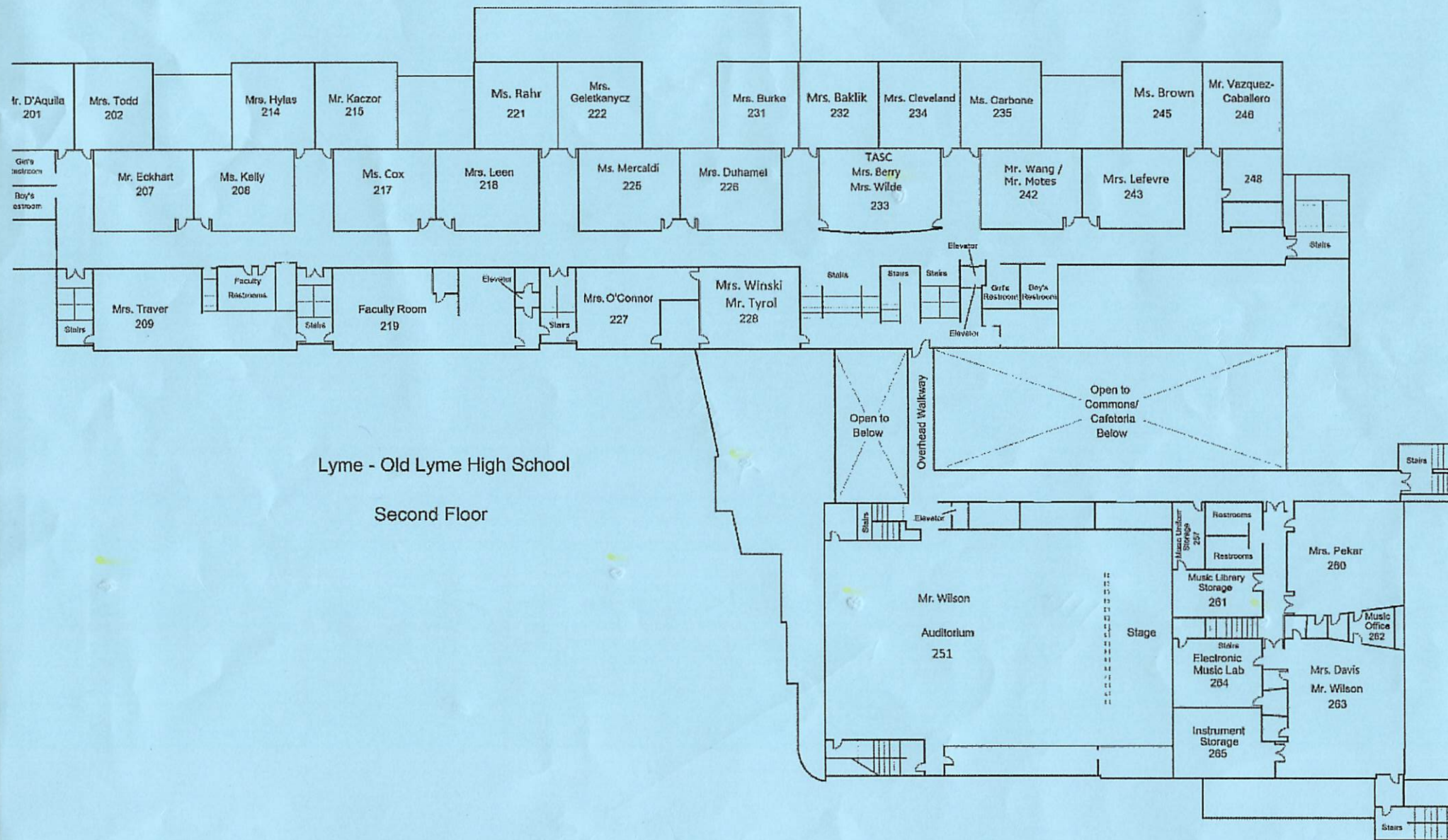
LYME OLD LYME HIGH SCHOOL - 69-1 LYME STREET OLD LYME, CT 06371

Detector ID	Sample Location	Start Time	End Time	Notes
		11/22 NOON	11/24 1300	
✓ 7349962	101	↓	↓	
✓ 7349961	110			
✓ 7349959	114			
✓ 7349956	119			
✓ 7349960	128			
✓ 7349957	128 (Dup)			
7349958	151K			
7349994	BLANK	↓	↓	
Dup.				
Dup.				



Lyme - Old Lyme High School

First Floor



Attention:Kit #: 7349963 Result: 0.7 ± 0.3 pCi/l

Location: 1st Floor 204

53 Lyme St # 204

Old Lyme, CT 06371-2335

Analysis Note :

Analyzed : 2021-11-26 at 12:00 pm

Started : 2021-11-22 at 12:00 pm

Ended : 2021-11-24 at 1:00 pm

Hours/MST% : 49 hours 1.2% 70°F

Kit #: 7349964 Result: 0.9 ± 0.3 pCi/l

Location: 1st Floor 204

53 Lyme St # 204

Old Lyme, CT 06371-2335

Analysis Note :

Analyzed : 2021-11-26 at 12:00 pm

Started : 2021-11-22 at 12:00 pm

Ended : 2021-11-24 at 1:00 pm

Hours/MST% : 49 hours 2.0% 70°F

Kit #: 7349966 Result: < 0.3 pCi/l

Location: 1st Floor 109

53 Lyme St #109

Old Lyme, CT 06371-2335

Analysis Note :

Analyzed : 2021-11-26 at 12:00 pm

Started : 2021-11-22 at 12:00 pm

Ended : 2021-11-24 at 1:00 pm

Hours/MST% : 49 hours 1.2% 70°F

Kit #: 7349967 Result: < 0.3 pCi/l

Location: 1st Floor 418

53 Lyme St #418

Old Lyme, CT 06371-2335

Analysis Note :

Analyzed : 2021-11-26 at 12:00 pm

Started : 2021-11-22 at 12:00 pm

Ended : 2021-11-24 at 1:00 pm

Hours/MST% : 49 hours 2.0% 70°F

Kit #: 7349968 Result: 0.7 ± 0.3 pCi/l

Location: 1st Floor Main Office

53 Lyme St # Ofc

Old Lyme, CT 06371-2335

Analysis Note :

Analyzed : 2021-11-26 at 12:00 pm

Started : 2021-11-22 at 12:00 pm

Ended : 2021-11-24 at 1:00 pm

Hours/MST% : 49 hours 2.0% 70°F

Kit #: 7349969 Result: < 0.3 pCi/l

Location: 1st Floor 307

53 Lyme St #307

Old Lyme, CT 06371-2335

Analysis Note :

Analyzed : 2021-11-26 at 12:00 pm

Started : 2021-11-22 at 12:00 pm

Ended : 2021-11-24 at 1:00 pm

Hours/MST% : 49 hours 2.0% 70°F

Attention:**Kit #: 7349988 Result: < 0.3 pCi/l****Location: 1st Floor 302****53 Lyme St #302****Old Lyme, CT 06371-****Analysis Note :****Analyzed : 2021-11-26 at 12:00 pm****Started : 2021-11-22 at 12:00 pm****Ended : 2021-11-24 at 1:00 pm****Hours/MST% : 49 hours 1.3% 70°F****Kit #: 7349993 Result: < 0.3 pCi/l****Location: 1st Floor 401****53 Lyme St 401****Old Lyme, CT 06371-2335****Analysis Note :****Analyzed : 2021-11-26 at 12:00 pm****Started : 2021-11-22 at 12:00 pm****Ended : 2021-11-24 at 1:00 pm****Hours/MST% : 49 hours 1.2% 70°F****Kit #: 7349995 Result: < 0.3 pCi/l****Location: 1st Floor 104****53 Lyme St # 104****Old Lyme, CT 06371-2335****Analysis Note :****Analyzed : 2021-11-26 at 12:00 pm****Started : 2021-11-22 at 12:00 pm****Ended : 2021-11-24 at 1:00 pm****Hours/MST% : 49 hours 2.1% 70°F****Kit #: 7349996 Result: < 0.3 pCi/l****Location: 1st Floor****53 Lyme St****Old Lyme, CT 06371-2335****Analysis Note :****Analyzed : 2021-11-26 at 12:00 pm****Started : 2021-11-22 at 12:00 pm****Ended : 2021-11-24 at 1:00 pm****Hours/MST% : 49 hours 2.1% 70°F**

3rd

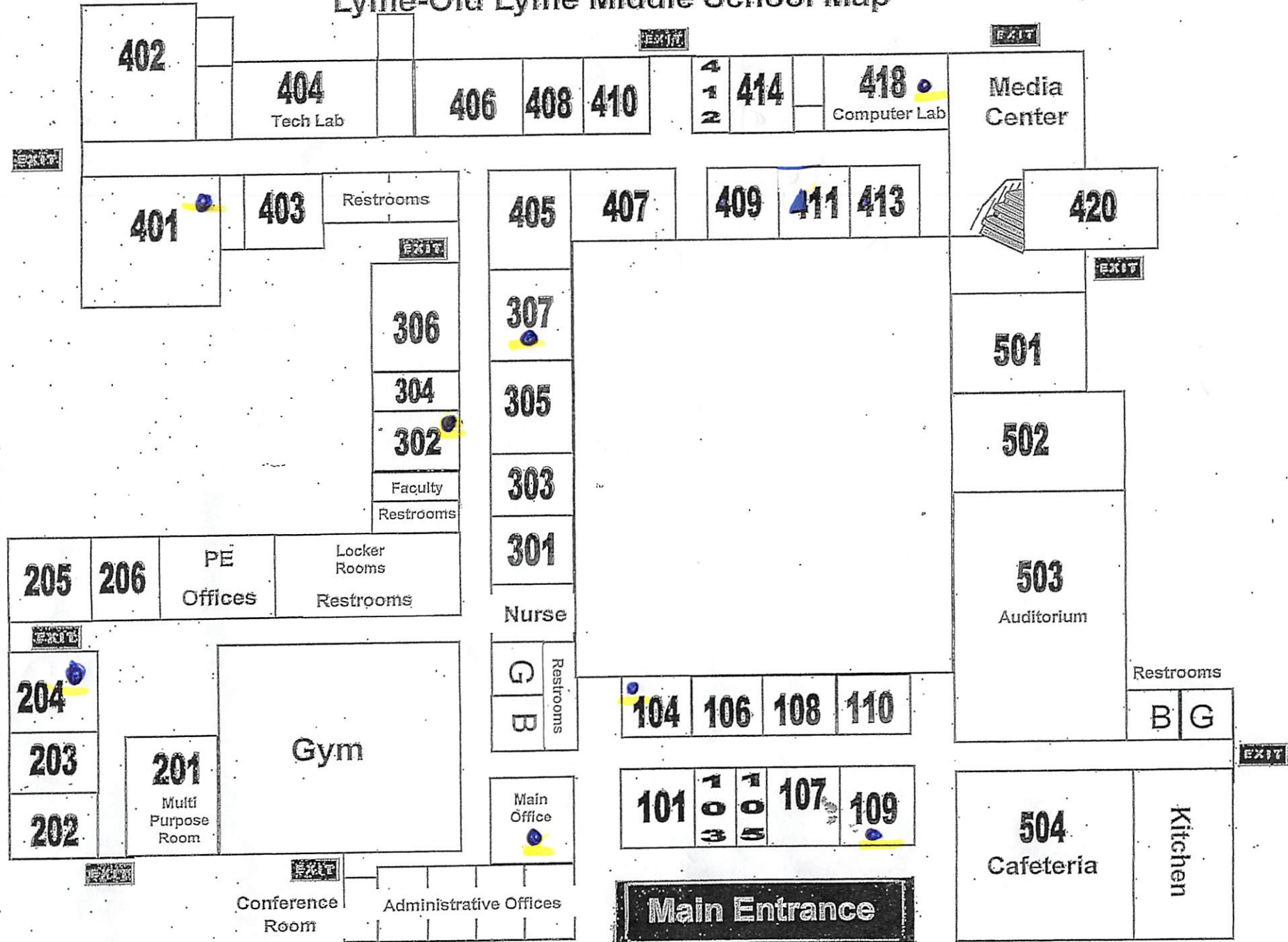
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Old Lyme Lyme M.S. - 53 LYME STREET Old Lyme, Ct 06371

Detector ID	Sample Location	Start Time	End Time	Notes
		11/22 NOON	11/24 1300	
✓ 7349963	204	↓	↓	
✓ 7349964	204 (Dup)			
✓ 7349969	307			
✓ 7349967	418			
✓ 7349966	109			
✓ 7349995	104			
✓ 7349988	302			
✓ 7349993	401			
✓ 7349968	MAIN OFFICE			
✓ Dup. 7349996	BLANK			
Dup.				

Lyme-Old Lyme Middle School Map



Attention:**Kit #: 7349965 Result: < 0.3 pCi/l****Location: 1st Floor Business****49 Lyme St # Business****Old Lyme, CT 06371-2335****Analysis Note :****Analyzed : 2021-11-26 at 12:00 pm****Started : 2021-11-22 at 12:00 pm****Ended : 2021-11-24 at 1:00 pm****Hours/MST% : 49 hours 1.2% 70°F****Kit #: 7349970 Result: < 0.3 pCi/l****Location: 1st Floor 113****49 Lyme St #113****Old Lyme, CT 06371-2335****Analysis Note :****Analyzed : 2021-11-26 at 12:00 pm****Started : 2021-11-22 at 12:00 pm****Ended : 2021-11-24 at 1:00 pm****Hours/MST% : 49 hours 1.2% 70°F****Kit #: 7349971 Result: < 0.3 pCi/l****Location: 1st Floor 113****49 Lyme St #113****Old Lyme, CT 06371-2335****Analysis Note :****Analyzed : 2021-11-26 at 12:00 pm****Started : 2021-11-22 at 12:00 pm****Ended : 2021-11-24 at 1:00 pm****Hours/MST% : 49 hours 2.0% 70°F****Kit #: 7349972 Result: < 0.3 pCi/l****Location: 1st Floor 128****49 Lyme St #128****Old Lyme, CT 06371-2335****Analysis Note :****Analyzed : 2021-11-26 at 12:00 pm****Started : 2021-11-22 at 12:00 pm****Ended : 2021-11-24 at 1:00 pm****Hours/MST% : 49 hours 1.2% 70°F****Kit #: 7349973 Result: 0.9 ± 0.3 pCi/l****Location: 1st Floor Main Office****49 Lyme St # Ofc****Old Lyme, CT 06371-2335****Analysis Note :****Analyzed : 2021-11-26 at 12:00 pm****Started : 2021-11-22 at 12:00 pm****Ended : 2021-11-24 at 1:00 pm****Hours/MST% : 49 hours 1.2% 70°F****Kit #: 7349977 Result: < 0.3 pCi/l****Location: 1st Floor 133****49 Lyme St # 133****Old Lyme, CT 06371-2335****Analysis Note :****Analyzed : 2021-11-26 at 12:00 pm****Started : 2021-11-22 at 12:00 pm****Ended : 2021-11-24 at 1:00 pm****Hours/MST% : 49 hours 1.2% 70°F**

Attention:

Kit #: 7349991 Result: < 0.3 pCi/l

Analysis Note :

Location:

Analyzed : 2021-11-26 at 12:00 pm

Started : 2021-11-22 at 12:00 pm

49 Lyme St

Ended : 2021-11-24 at 1:00 pm

Old Lyme, CT 06371-2335

Hours/MST% : 49 hours 1.2% 70°F

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CENTER ELEM. - 49 LYME ST OLD LYME. CT

Detector ID	Sample Location	Start Time	End Time	Notes
		11/22 NOON	11/24 7300	
✓ 7349973	MAIN OFFICE			
✓ 7349965	BUSINESS			
✓ 7349970	113			
✓ 7349971	113 (DUP.)			
✓ 7349977	133			
✓ 7349972	128			
7349991	BLANK	↓	↓	
Dup.				
Dup.				

EXIT CAPACITY

0	—	ACTUAL EGRESS CAPACITY OF DOOR OR STAIR
0	—	MAXIMUM ALLOWABLE EGRESS CAPACITY OF DOOR OR STAIR

ROOM OCCUPANCY LOAD
 AREA IN SQUARE FEET
 OCCUPANCY LOAD FACTOR



 HANDICAPPED ACCESSIBLE AREA OR EXIT

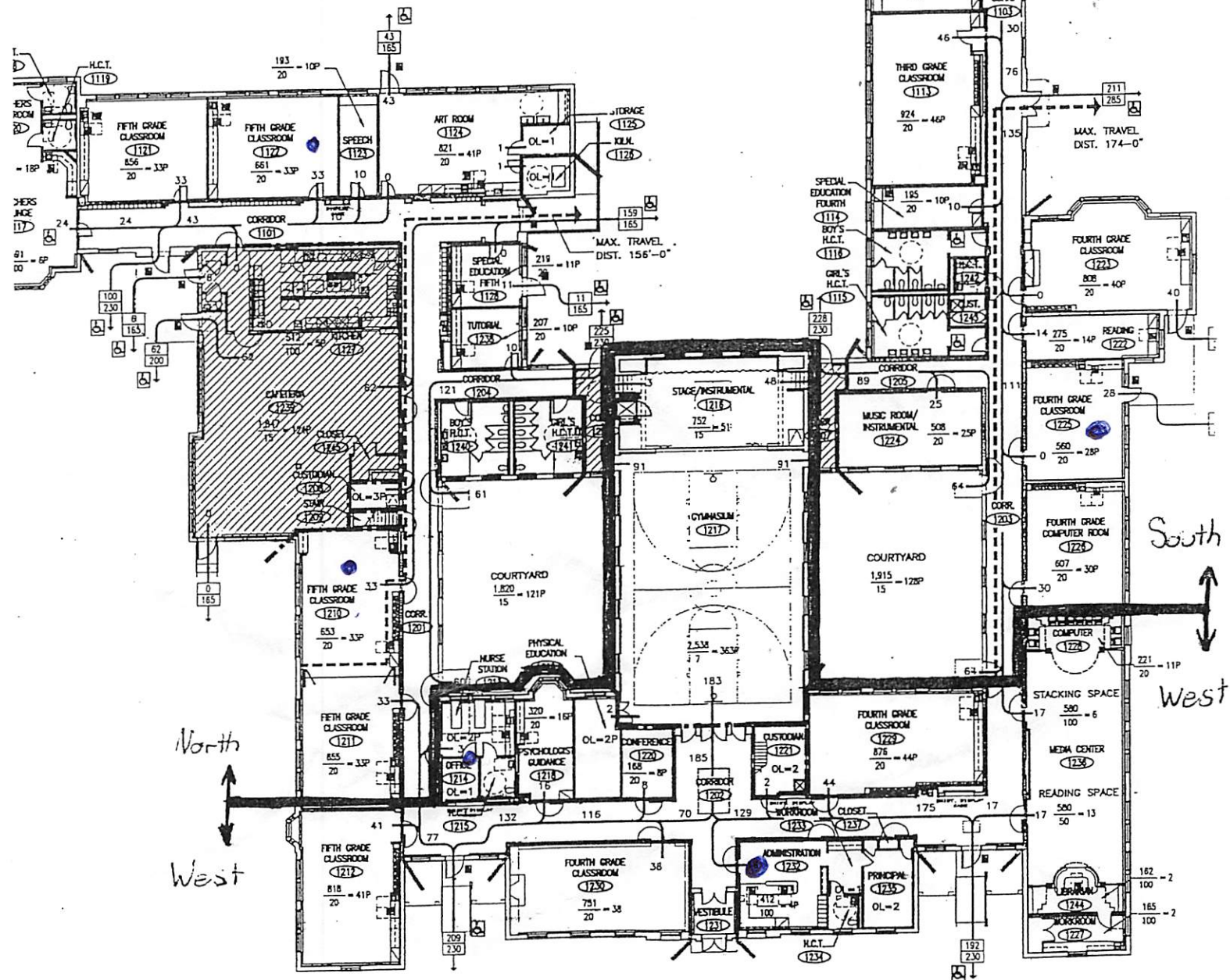
SEPARATIONS ARE DESIGNATED AS FOLLOWS:

2 HOUR FIRE RATED
(FIREWALL OR SEPARATION- SEE PLAN)

1 HOUR FIRE RATED
(FIREWALL OR SEPARATION- SEE PLAN)

~~SMOKE RESISTANT SEPARATION~~ SMOKE RESISTANT SEPARATION (SEE PLAN)
CLOSERS REQUIRED AT ALL DOORS (SEE DOOR SCHEDULE)

 PROVIDE 1 HOUR RATED HORIZONTAL SHAFT WALL
CONSTRUCTION ABOVE CEILING ALONG ROOF JOISTS UL # 438
WITHOUT INSULATION



Attention:

Kit #: 7349978 Result: ????
Location: 1st Floor Main Office

205 Mile Creek Rd # Ofc
Old Lyme, CT 06371-1736

Analysis Note : IF1 - *FAULTY HANDLING. INVALID TEST*

Analyzed : 2021-11-26 at 12:00 pm

Started : 2021-11-22 at 12:00 pm

Ended : 2021-11-24 at 1:00 pm

Hours/MST% : 49 hours 2.1% 70°F

Kit #: 7349982 Result: < 0.3 pCi/l
Location: 1st Floor 10

205 Mile Creek Rd #10
Old Lyme, CT 06379-

Analysis Note :

Analyzed : 2021-11-26 at 12:00 pm

Started : 2021-11-22 at 12:00 pm

Ended : 2021-11-24 at 1:00 pm

Hours/MST% : 49 hours 2.0% 70°F

Kit #: 7349983 Result: < 0.3 pCi/l
Location: 1st Floor 23

205 Mile Creek Rd #23
Old Lyme, CT 06379-

Analysis Note :

Analyzed : 2021-11-26 at 12:00 pm

Started : 2021-11-22 at 12:00 pm

Ended : 2021-11-24 at 1:00 pm

Hours/MST% : 49 hours 2.1% 70°F

Kit #: 7349985 Result: 0.7 ± 0.3 pCi/l
Location: 1st Floor

205 Mile Creek Rd #23
Old Lyme, CT 06379-

Analysis Note :

Analyzed : 2021-11-26 at 12:00 pm

Started : 2021-11-22 at 12:00 pm

Ended : 2021-11-24 at 1:00 pm

Hours/MST% : 49 hours 2.1% 70°F

Kit #: 7349986 Result: < 0.3 pCi/l
Location: 1st Floor 32

205 Mile Creek Rd #32
Old Lyme, CT 06379-

Analysis Note :

Analyzed : 2021-11-26 at 12:00 pm

Started : 2021-11-22 at 12:00 pm

Ended : 2021-11-24 at 1:00 pm

Hours/MST% : 49 hours 2.1% 70°F

Kit #: 7349987 Result: < 0.3 pCi/l
Location: 1st Floor 4

205 Mile Creek Rd #4
Old Lyme, CT 06379-

Analysis Note :

Analyzed : 2021-11-26 at 12:00 pm

Started : 2021-11-22 at 12:00 pm

Ended : 2021-11-24 at 1:00 pm

Hours/MST% : 49 hours 2.1% 70°F

Attention:

Kit #: 7350002 Result: < 0.3 pCi/l

Analysis Note :

Location:

Analyzed : 2021-11-26 at 12:00 pm

Started : 2021-11-22 at 12:00 pm

205 Mile Creek Rd

Ended : 2021-11-24 at 1:00 pm

Old Lyme, CT 06371-1736

Hours/MST% : 49 hours 1.2% 70°F

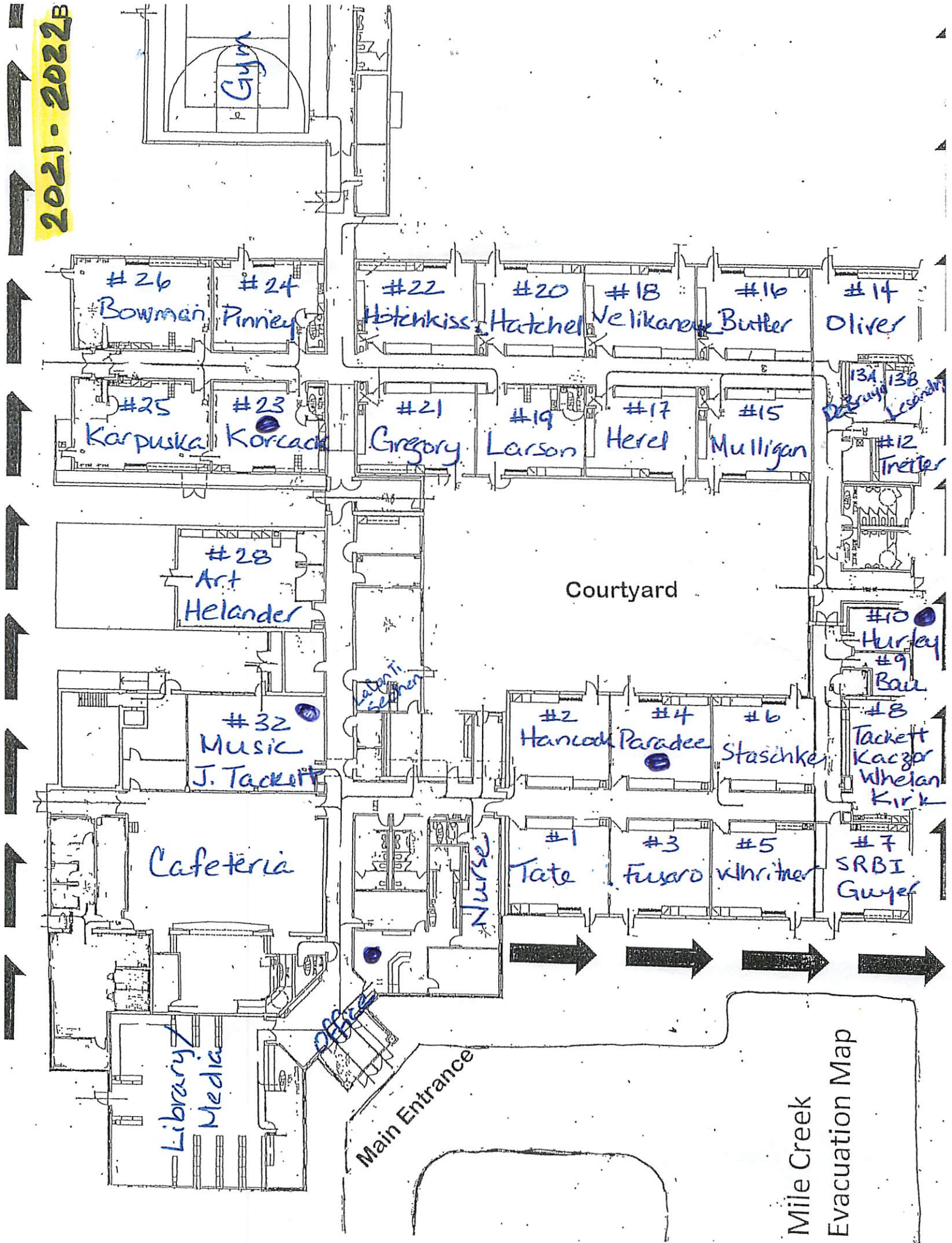
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205 Miles Creek - Old Lyme, CT 06371

Detector ID	Sample Location	Start Time	End Time	Notes
		11/22 NOON	11/24 1300	
✓ 7349978	MAIN OFFICE	↓	↓	
✓ 7349987	4			
✓ 7349982	10			
✓ 7349983	23			
✓ 7349985	23 (Dup.)			
✓ 7349980	32			
✓ 7350002	BLANK	↓	↓	
Dup.				
Dup.				

2021-2022^B



Mile Creek
Evacuation Map

Attention:**Kit #: 7349974 Result: < 0.3 pCi/l****Location: 1st Floor 13****478 Hamburg Rd #13****Lyme, CT 06371-3110****Analysis Note :****Analyzed : 2021-11-26 at 12:00 pm****Started : 2021-11-22 at 12:00 pm****Ended : 2021-11-24 at 1:00 pm****Hours/MST% : 49 hours 2.0% 70°F****Kit #: 7349975 Result: < 0.3 pCi/l****Location: 1st Floor 8****478 Hamburg Rd #8****Lyme, CT 06371-3110****Analysis Note :****Analyzed : 2021-11-26 at 1:00 pm****Started : 2021-11-22 at 12:00 pm****Ended : 2021-11-24 at 1:00 pm****Hours/MST% : 49 hours 1.2% 70°F****Kit #: 7349976 Result: < 0.3 pCi/l****Location: 1st Floor 8****478 Hamburg Rd #8****Lyme, CT 06371-3110****Analysis Note :****Analyzed : 2021-11-26 at 1:00 pm****Started : 2021-11-22 at 12:00 pm****Ended : 2021-11-24 at 1:00 pm****Hours/MST% : 49 hours 1.2% 70°F****Kit #: 7349979 Result: 0.7 ± 0.3 pCi/l****Location: 1st Floor 2****478 Hamburg Rd #2****Lyme, CT 06379-****Analysis Note :****Analyzed : 2021-11-26 at 12:00 pm****Started : 2021-11-22 at 12:00 pm****Ended : 2021-11-24 at 1:00 pm****Hours/MST% : 49 hours 2.0% 70°F****Kit #: 7349980 Result: 0.9 ± 0.3 pCi/l****Location: 1st Floor 15****478 Hamburg Rd #15****Lyme, CT 06379-****Analysis Note :****Analyzed : 2021-11-26 at 12:00 pm****Started : 2021-11-22 at 12:00 pm****Ended : 2021-11-24 at 1:00 pm****Hours/MST% : 49 hours 2.1% 70°F****Kit #: 7349981 Result: 1.0 ± 0.3 pCi/l****Location: 1st Floor Main Office****478 Hamburg Rd # Ofc****Lyme, CT 06371-3110****Analysis Note :****Analyzed : 2021-11-26 at 12:00 pm****Started : 2021-11-22 at 12:00 pm****Ended : 2021-11-24 at 1:00 pm****Hours/MST% : 49 hours 2.0% 70°F**

November 30, 2021

**** LABORATORY ANALYSIS REPORT ****

Pg 2 of 2

Attention:

Kit #: 7350001 Result: < 0.3 pCi/l

Analysis Note :

Location:

Analyzed : 2021-11-26 at 12:00 pm

Started : 2021-11-22 at 12:00 pm

478 Hamburg Rd

Ended : 2021-11-24 at 1:00 pm

Old Lyme, CT 06371-3110

Hours/MST% : 49 hours 2.1% 70°F

Air Chek 1936 Butler Bridge Rd, Mills River, NC 28759-3892 Phone: (828) 684-0893 Fax: (828) 684-8498

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Mystic Air Quality Consultants, Inc.
 1204 North Road, Groton, Connecticut 06340 (860) 449-8903

Lyme Consolidated 478 HAMBURG ROAD LYME, CT 06371

Detector ID	Sample Location	Start Time 11/22 NOON	End Time 11/28 1300	Notes
✓ 7349981	MAIN OFFICE	↓	↓	
✓ 7349976	8			
✓ 7349975	8			
✓ 7349979	2			
✓ 7349974	13			
✓ 7349980	15			
7350001	BEACH	↓	↓	
Dup.				
Dup.				

Lyme Consolidated School

