

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (800) 220-3675 / (856) 786-0327
<http://www.EMSL.com> cinnaminsonradonlab@emsl.com

EMSL Order: 381600500
 CustomerID: PGCS62
 CustomerPO:
 ProjectID:

Attn: **Karen Bowlding**
Prince George's County School
13300 Old Marlboro Pike
Upper Marlboro, MD 20772

Phone: (301) 952-6559
 Fax: (301) 952-0346
 Received: 01/20/16 12:35 PM
 Analysis Date: 1/21/2016
 Collected: 1/15/2016

Project: **Carmody Hills Elementary**

Test Site: **Carmody Hills Elementary**
401 Jadeleaf Ave
Capitol Heights, MD 20743

Test Report: Radon in Air Test Results**Samples for EMSL Kit 136068**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
229063	121	0.8	1/15/2016	1/19/2016	50	40	Customer
381600500-0001			2:10:00 PM	6:15:00 AM			

Sample Notes:

229137	121	0.7	1/15/2016	1/19/2016	50	40	Customer
381600500-0002			2:10:00 PM	6:15:00 AM			

Sample Notes:

Summary for EMSL Kit 136068 Average Radon Result: **0.8 pCi/L**

Samples for EMSL Kit 136069

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
229228	119 Teacher Lounge	4.7	1/15/2016	1/19/2016	50	40	Customer
381600500-0003			2:12:00 PM	6:17:00 AM			

Sample Notes:

229532	119 Teacher Lounge	5	1/15/2016	1/19/2016	50	40	Customer
381600500-0004			2:12:00 PM	6:17:00 AM			

Sample Notes:

Summary for EMSL Kit 136069 Average Radon Result: **4.8 pCi/L**

Samples for EMSL Kit 136073

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
229022	124	1.9	1/15/2016	1/19/2016	50	40	Customer
381600500-0005			2:13:00 PM	6:20:00 AM			

Sample Notes:

229047	124	1.9	1/15/2016	1/19/2016	50	40	Customer
381600500-0006			2:13:00 PM	6:20:00 AM			

Sample Notes:

Summary for EMSL Kit 136073 Average Radon Result: **1.9 pCi/L**

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Test Report: Radon in Air Test Results**Samples for EMSL Kit 136013**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
229589	127	0.5	1/15/2016	1/19/2016	50	40	Customer
381600500-0007			2:16:00 PM	6:22:00 AM			

Sample Notes:

229617	127	0.5	1/15/2016	1/19/2016	50	40	Customer
381600500-0008			2:16:00 PM	6:22:00 AM			

Sample Notes:

Summary for EMSL Kit 136013 Average Radon Result: **0.5 pCi/L**

Samples for EMSL Kit 136040

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
229514	128	0.8	1/15/2016	1/19/2016	50	40	Customer
381600500-0009			2:18:00 PM	6:24:00 AM			

Sample Notes:

229620	128	1	1/15/2016	1/19/2016	50	40	Customer
381600500-0010			2:18:00 PM	6:24:00 AM			

Sample Notes:

Summary for EMSL Kit 136040 Average Radon Result: **0.9 pCi/L**

Samples for EMSL Kit 136036

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
229507	Hallway near 130-B	1.5	1/15/2016	1/19/2016	50	40	Customer
381600500-0011			2:19:00 PM	6:26:00 AM			

Sample Notes:

229496	Hallway near 130-B	1.3	1/15/2016	1/19/2016	50	40	Customer
381600500-0012			2:19:00 PM	6:26:00 AM			

Sample Notes:

Summary for EMSL Kit 136036 Average Radon Result: **1.4 pCi/L**

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Test Report: Radon in Air Test Results**Samples for EMSL Kit 136008**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
229600	136	0.1	1/15/2016	1/19/2016	50	40	Customer
381600500-0013			2:21:00 PM	6:28:00 AM			

Sample Notes:

229573	136	0.2	1/15/2016	1/19/2016	50	40	Customer
381600500-0014			2:21:00 PM	6:28:00 AM			

Sample Notes:

Summary for EMSL Kit 136008 Average Radon Result: **0.2 pCi/L**

Samples for EMSL Kit 136004

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
229144	135	2.4	1/15/2016	1/19/2016	50	40	Customer
381600500-0015			2:23:00 PM	6:30:00 AM			

Sample Notes:

229631	135	2.5	1/15/2016	1/19/2016	50	40	Customer
381600500-0016			2:23:00 PM	6:30:00 AM			

Sample Notes:

Summary for EMSL Kit 136004 Average Radon Result: **2.5 pCi/L**

Samples for EMSL Kit 136025

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
229665	138	0.3	1/15/2016	1/19/2016	50	40	Customer
381600500-0017			2:25:00 PM	6:32:00 AM			

Sample Notes:

229613	138	0.3	1/15/2016	1/19/2016	50	40	Customer
381600500-0018			2:25:00 PM	6:32:00 AM			

Sample Notes:

Summary for EMSL Kit 136025 Average Radon Result: **0.3 pCi/L**

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Test Report: Radon in Air Test Results**Samples for EMSL Kit 136037**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
229084	141	0.2	1/15/2016	1/19/2016	50	40	Customer
381600500-0019			2:27:00 PM	6:34:00 AM			

Sample Notes:

229131	141	0.2	1/15/2016	1/19/2016	50	40	Customer
381600500-0020			2:27:00 PM	6:34:00 AM			

Sample Notes:

Summary for EMSL Kit 136037 Average Radon Result: **0.2 pCi/L**

Samples for EMSL Kit 136038

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
229537	Hallway Outside Room 145	0.8	1/15/2016	1/19/2016	50	40	Customer
381600500-0021			2:30:00 PM	6:36:00 AM			

Sample Notes:

229546	Hallway Outside Room 145	0.7	1/15/2016	1/19/2016	50	40	Customer
381600500-0022			2:30:00 PM	6:36:00 AM			

Sample Notes:

Summary for EMSL Kit 136038 Average Radon Result: **0.8 pCi/L**

Samples for EMSL Kit 136012

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
229494	Speech 146	0.4	1/15/2016	1/19/2016	50	40	Customer
381600500-0023			2:32:00 PM	6:38:00 AM			

Sample Notes:

229530	Speech 146	0.4	1/15/2016	1/19/2016	50	40	Customer
381600500-0024			2:32:00 PM	6:38:00 AM			

Sample Notes:

Summary for EMSL Kit 136012 Average Radon Result: **0.4 pCi/L**

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Test Report: Radon in Air Test Results**Samples for EMSL Kit 136014**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
229549	149	0.3	1/15/2016	1/19/2016	50	40	Customer
381600500-0025			2:34:00 PM	6:40:00 AM			

Sample Notes:

229536	149	0.3	1/15/2016	1/19/2016	50	40	Customer
381600500-0026			2:34:00 PM	6:40:00 AM			

Sample Notes:

Summary for EMSL Kit 136014 **Average Radon Result: 0.3 pCi/L**

Samples for EMSL Kit 136100

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
229035	150	0.7	1/15/2016	1/19/2016	50	40	Customer
381600500-0027			2:36:00 PM	6:42:00 AM			

Sample Notes:

229105	150	0.5	1/15/2016	1/19/2016	50	40	Customer
381600500-0028			2:36:00 PM	6:44:00 AM			

Sample Notes:

Summary for EMSL Kit 136100 **Average Radon Result: 0.6 pCi/L**

Samples for EMSL Kit 136027

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
229142	153 Lounge	0.5	1/15/2016	1/19/2016	50	40	Customer
381600500-0029			2:38:00 PM	6:46:00 AM			

Sample Notes:

229616	153 Lounge	0.5	1/15/2016	1/19/2016	50	40	Customer
381600500-0030			2:38:00 PM	6:46:00 AM			

Sample Notes:

Summary for EMSL Kit 136027 **Average Radon Result: 0.5 pCi/L**

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Test Report: Radon in Air Test Results**Samples for EMSL Kit 136034**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
229097	155	0.3	1/15/2016	1/19/2016	50	40	Customer
381600500-0031			2:40:00 PM	6:48:00 AM			

Sample Notes:

229518	155	0.4	1/15/2016	1/19/2016	50	40	Customer
381600500-0032			2:40:00 PM	6:48:00 AM			

Sample Notes:

Summary for EMSL Kit 136034 **Average Radon Result: 0.4 pCi/L**

Samples for EMSL Kit 136023

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
229659	Hallway Outside 155 Near Hatch	0.8	1/15/2016	1/19/2016	50	40	Customer
381600500-0033			2:42:00 PM	6:50:00 AM			

Sample Notes:

229069	Hallway Outside 155 Near Hatch	0.9	1/15/2016	1/19/2016	50	40	Customer
381600500-0034			2:42:00 PM	6:50:00 AM			

Sample Notes:

Summary for EMSL Kit 136023 **Average Radon Result: 0.9 pCi/L**

Samples for EMSL Kit 136003

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
229572	157	0.3	1/15/2016	1/19/2016	50	40	Customer
381600500-0035			2:44:00 PM	6:52:00 AM			

Sample Notes:

229602	157	0.1	1/15/2016	1/19/2016	50	40	Customer
381600500-0036			2:44:00 PM	6:52:00 AM			

Sample Notes:

Summary for EMSL Kit 136003 **Average Radon Result: 0.2 pCi/L**

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Test Report: Radon in Air Test Results**Samples for EMSL Kit 136039**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
229632	159	0.2	1/15/2016	1/19/2016	50	40	Customer
381600500-0037			2:46:00 PM	6:54:00 AM			

Sample Notes:

229614	159	0.2	1/15/2016	1/19/2016	50	40	Customer
381600500-0038			2:46:00 PM	6:54:00 AM			

Sample Notes:

Summary for EMSL Kit 136039 **Average Radon Result: 0.2 pCi/L**

Samples for EMSL Kit 136035

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
229511	169 Health Room	2.2	1/15/2016	1/19/2016	50	40	Customer
381600500-0039			2:48:00 PM	6:56:00 AM			

Sample Notes:

229564	169 Health Room	2.4	1/15/2016	1/19/2016	50	40	Customer
381600500-0040			2:48:00 PM	6:56:00 AM			

Sample Notes:

Summary for EMSL Kit 136035 **Average Radon Result: 2.3 pCi/L**

Samples for EMSL Kit 136024

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
229585	Media Center	3.4	1/15/2016	1/19/2016	50	40	Customer
381600500-0041			2:50:00 PM	6:58:00 AM			

Sample Notes:

229629	Media Center	3.5	1/15/2016	1/19/2016	50	40	Customer
381600500-0042			2:50:00 PM	6:58:00 AM			

Sample Notes:

Summary for EMSL Kit 136024 **Average Radon Result: 3.5 pCi/L**

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Test Report: Radon in Air Test Results**Samples for EMSL Kit 136026**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
229550 381600500-0043	Hallway Across From Media Center	1.2	1/15/2016 2:52:00 PM	1/19/2016 7:00:00 AM	50	40	Customer

Sample Notes:

229516 381600500-0044	Hallway Across From Media Center	1	1/15/2016 2:52:00 PM	1/19/2016 7:00:00 AM	50	40	Customer
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Sample Notes:

Summary for EMSL Kit 136026 **Average Radon Result: 1.1 pCi/L**

Samples for EMSL Kit 136002

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
229522 381600500-0045	Main Office	0.5	1/15/2016 2:54:00 PM	1/19/2016 7:02:00 AM	50	40	Customer

Sample Notes:

229624 381600500-0046	Main Office	0.6	1/15/2016 2:54:00 PM	1/19/2016 7:02:00 AM	50	40	Customer
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Sample Notes:

Summary for EMSL Kit 136002 **Average Radon Result: 0.6 pCi/L**

The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing. The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L.
 The EPA recommends retesting your home every two years.

Please contact EMSL Analytical, Inc. or your State Health Department for further information.
 All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of Radon in Air.

Report Note



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Test Report: Radon in Air Test Results

Analyst(s)

Kathryn Lickfield (46)

Laura Freeman, Interim Laboratory Manager &
Subash Rashat, New Jersey Radiation Specialist NJ MES 10152
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ Accreditations: NRSB ARL6006, NJ DEP 03036, MEB 92525, PA 2573, IN 00455, IA L00032, RI RAS-024, ME 20200C, NE RMB-1083, NY ELAP 10872, NM 885-10L, FL RB2034, OH RL-39, NRPP #106178AL, KS-LB-0005. Subash Rashat certification #MES10152

Initial report from 01/25/2016 16:30:17

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