

# **RADON INVESTIGATION REPORT**

**CENTRAL BOULEVARD  
ELEMENTARY SCHOOL  
60 CENTRAL BOULEVARD  
BETHPAGE, NEW YORK 11714**

**PREPARED FOR:  
BETHPAGE UNION FREE SCHOOL DISTRICT  
10 CHERRY AVENUE  
BETHPAGE, NEW YORK 11714**

**JCB PROJECT #: 18-39190  
AUGUST 2018**

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### **Section No. 1.0: Introduction**

J.C. Broderick and Associates (JCB) was retained by the Bethpage Union Free School District (Bethpage) to perform an indoor air survey for radon gas as a result of identifying radium in the local groundwater by the Bethpage Water District and by JCB during our annual groundwater investigation at the Bethpage High School.

### **Section No. 2.0: Site Description and Location**

The Subject Site is located at 60 Central Boulevard, Bethpage, New York 11714, at the western terminus of Central Boulevard. According to the United States Geological Survey (USGS) *Amityville, New York, 2016 7.5 Minute Series Topographical Map*, the Subject Site is situated at an approximate elevation of 98 feet (ft.) above mean sea level. The location of the Subject Site is shown on the Site Location Map, Appendix-A Figure-1.

### **Section No. 3.0: Radon Screening Sampling and Analysis**

The detection of Radium 226 and 228 during annual testing of the groundwater at Bethpage High School prompted the sampling and analysis of Radon within Central Boulevard Elementary School. On April 12, 2017, JCB set up short-term Radon in Air test kits in four (4) basement storage rooms and spaces within the basement of the school building. The sampling devices were collected on April 17, 2017 after at least three days of exposure.

The laboratory analytical results for the Radon in Air samples were reviewed and compared to the United States Environmental Protection Agency (EPA) recommended action level of 4.0 pCi/L as reported in *Radon Measurement in Schools Revised Edition* (EPA 402-R-92-014), dated July 1993.

The laboratory analysis results from the Radon screening revealed concentrations of Radon exceeding 4.0 pCi/L, the recommended action level established by the EPA, in three (3) of the four (4) sample locations (see Tables No. 1 & 2). It should be noted that these spaces are not frequently occupied rooms as defined in the EPA referenced Document.

As a result of these findings and recommended in the EPA referenced document, on April 28, 2018, JCB performed follow-up testing in the three (3) basement spaces. The results confirmed the previous results (see Table No. 3).

To identify the potential source of Radon in the basement storage spaces, sampling was expanded to include the building's crawl spaces. These crawl spaces extend under the majority of the school building and consist of a sand bottom open to possible vapor intrusion. On May 26, 2017, JCB set up short-term Radon in Air test kits in the three (3) basement spaces, eight (8) crawl spaces, and one (1) additional hallway within the basement of the school building. The sampling devices were collected on May 30, 2017 after at least three days of exposure.

The laboratory analysis results from the Radon in Air samples submitted revealed concentrations of Radon equal to or exceeding 4.0 pCi/L in seven (7) crawl space samples submitted. However, the analysis results also indicated radon levels below 4.0 pCi/L in the basement hallway and storage rooms (see Tables No. 4 & 5).

As a result of these findings, JCB recommended the installation of an isolation barrier to be placed over the sand floor of the crawl spaces throughout the school building. On August 3, 2017, Branch Services, Inc. began installing the isolation barrier consisting of two (2) layers of 6-mil reinforced fire-retardant polyethylene sheeting. The sheeting was extended approximately one (1) foot up the perimeter concrete walls and secured using wood furring.

After the installation of the isolation barrier, on September 18, 2017, JCB performed follow-up testing at the same 12 sampling locations. The sampling devices were collected on September 22, 2017 after at least three days of exposure.

The laboratory analysis results from the Radon in Air samples submitted indicated radon levels below 4.0 pCi/L at all sampling locations tested (see Tables No. 6 & 7).

Since the Radon screening was performed in the spring and summer months, JCB recommended performed a full Radon Assessment during the upcoming heating season.

### **Section No. 3.0: Radon Assessment Sampling and Analysis**

The United States Environmental Protection Agency (EPA) *Radon Measurement in Schools Revised Edition* (EPA 402-R-92-014), dated July 1993 guidance document recommends that a Radon assessment should be performed under closed conditions during the heating season. JCB coordinated with the school district to conduct a full assessment during the winter recess. During this assessment the basement storage rooms and crawl spaces previously sampled were repeated as well as all frequently occupied spaces on the first floor.

On February 20, 2018, JCB set up short-term Radon in Air test kits in three (3) basement storage rooms, two (2) basement hallways, eight (8) crawl spaces, and 46 first floor rooms and spaces within the school building. The sampling devices were collected on February 23, 2018 after at least three days of exposure.

The following table summarizes the Radon samples submitted for laboratory analysis:

Table No. 8: Summary of Radon Samples Submitted for Laboratory Analysis				
Sample ID#	Sample Start Date	Sample End Date	Description of Sample	Analysis Method
<b>Basement/Crawlspac</b>				
Rm 0005	02-20-18	02-23-18	Basement Storage Room	Radon in Air
Hall 0011	02-20-18	02-23-18	Basement Hallway	Radon in Air
Rm 0006	02-20-18	02-23-18	Basement Storage Room	Radon in Air
Rm 0007	02-20-18	02-23-18	Basement Storage Room	Radon in Air
Rm 0003	02-20-18	02-23-18	Crawl Space	Radon in Air
Rm 0002	02-20-18	02-23-18	Crawl Space	Radon in Air
Rm 0002A	02-20-18	02-23-18	Crawl Space	Radon in Air
Rm 0002B	02-20-18	02-23-18	Crawl Space	Radon in Air
Rm 0008	02-20-18	02-23-18	Crawl Space	Radon in Air
Rm 0009	02-20-18	02-23-18	Crawl Space	Radon in Air
Rm 0010	02-20-18	02-23-18	Crawl Space	Radon in Air
Rm 0010A	02-20-18	02-23-18	Crawl Space	Radon in Air

**Table No. 8:**  
**Summary of Radon Samples Submitted for Laboratory Analysis**

Sample ID#	Sample Start Date	Sample End Date	Description of Sample	Analysis Method
Hall 0011A	02-20-18	02-23-18	Basement Hallway	Radon in Air
<b>First Floor</b>				
Rm 1000	02-20-18	02-23-18	Faculty Room	Radon in Air
Rm 1002	02-20-18	02-23-18	Room 109	Radon in Air
Rm 1003	02-20-18	02-23-18	Room 111	Radon in Air
Rm 1004	02-20-18	02-23-18	Room 113	Radon in Air
Rm 1005	02-20-18	02-23-18	Room 115	Radon in Air
Rm 1006	02-20-18	02-23-18	Room 117	Radon in Air
Rm 1007	02-20-18	02-23-18	Room 106	Radon in Air
Rm 1011	02-20-18	02-23-18	Room 119	Radon in Air
Rm 1012	02-20-18	02-23-18	Room 108	Radon in Air
Rm 1013	02-20-18	02-23-18	Room 110	Radon in Air
Rm 1014	02-20-18	02-23-18	Room 110A	Radon in Air
Hall 1015	02-20-18	02-23-18	Corridor From 110A to Faculty Rm	Radon in Air
Rm 1016	02-20-18	02-23-18	Room 112	Radon in Air
Rm 1017	02-20-18	02-23-18	Room 114	Radon in Air
Rm 1019	02-20-18	02-23-18	Main Lobby	Radon in Air
Rm 1022	02-20-18	02-23-18	Cafeteria/MPR	Radon in Air
Rm 1022A	02-20-18	02-23-18	Stage	Radon in Air
Rm 1023	02-20-18	02-23-18	Kitchen	Radon in Air
Rm 1024	02-20-18	02-23-18	Receiving Room	Radon in Air
Rm 1026	02-20-18	02-23-18	ESL Room	Radon in Air
Rm 1027	02-20-18	02-23-18	Art Room	Radon in Air
Rm 1028A	02-20-18	02-23-18	Music Room Office	Radon in Air
Rm 1030	02-20-18	02-23-18	Gym	Radon in Air
Rm 1030A	02-20-18	02-23-18	Gym Girl's PE Office	Radon in Air
Rm 1030E1	02-20-18	02-23-18	Boy's Gym Locker Room Office	Radon in Air
Rm 1031A	02-20-18	02-23-18	Room Adjacent Room C2	Radon in Air
Rm 1032	02-20-18	02-23-18	General Office	Radon in Air
Rm 1032B	02-20-18	02-23-18	Principal's Office	Radon in Air
Rm 1032C	02-20-18	02-23-18	Psychologist's Office	Radon in Air
Rm 1033	02-20-18	02-23-18	Nurse's Office	Radon in Air
Rm 1035	02-20-18	02-23-18	Resource Room 107A	Radon in Air
Rm 1037 (1031)	02-20-18	02-23-18	Speech/ESL Room	Radon in Air
Rm 1038	02-20-18	02-23-18	Social Worker Office	Radon in Air
Rm 1039	02-20-18	02-23-18	Book Room 107B	Radon in Air
Rm 1040	02-20-18	02-23-18	Room 104	Radon in Air
Rm 1041	02-20-18	02-23-18	Room 107	Radon in Air
Rm 1042	02-20-18	02-23-18	Room 102 (K4)	Radon in Air
Rm 1043	02-20-18	02-23-18	Room 105	Radon in Air

Table No. 8: Summary of Radon Samples Submitted for Laboratory Analysis				
Sample ID#	Sample Start Date	Sample End Date	Description of Sample	Analysis Method
Rm 1044	02-20-18	02-23-18	Room 103	Radon in Air
Rm 1045	02-20-18	02-23-18	Room 101	Radon in Air
Hall 1046	02-20-18	02-23-18	Corridor Rm 101 to Main Office	Radon in Air
Rm 1049	02-20-18	02-23-18	Kindergarten Room 1	Radon in Air
Rm 1050	02-20-18	02-23-18	Kindergarten Room 2	Radon in Air
Rm 1051	02-20-18	02-23-18	Kindergarten Room 3	Radon in Air
Hall 1052	02-20-18	02-23-18	Corridor from K1 to K3	Radon in Air
Basement Stairs	02-20-18	02-23-18	Basement Stairs	Radon in Air

**Notes:**  
Rm = Room

The laboratory analytical results for the Radon in Air samples were reviewed and compared to the United States Environmental Protection Agency (EPA) recommended action level of 4.0 pCi/L as reported in *Radon Measurement in Schools Revised Edition* (EPA 402-R-92-014), dated July 1993.

The following table summarizes the Radon Analytical Results:

Table No. 9: Summary of Radon Samples Analysis Results February 23, 2018					
Sample ID#	Box Number	Sample Device Number	Radon Activity pCi/L	Blank Device Number	Radon Activity pCi/L
<b>Basement/Crawlspace</b>					
Rm 0005	174845	301850	1.8	301939	0.1
Hall 0011	174847	301842	3.4	301898	0.1
Rm 0006	174846	301800	2.1	300693	0.5
Rm 0007	174844	301821	1.3	301772	0.1
Rm 0003	174848	300867	5.5	301899	0.3
Rm 0002	174849	301811	3.8	301907	0.1
Rm 0002A	174851	301900	4.9	301945	0.1
Rm 0002B	174852	302017	4.0	301976	0.1
Rm 0008	174839	301840	1.4	301782	0.1
Rm 0009	174840	301866	1.6	301887	0.1
Rm 0010	174841	301906	1.5	301779	0.1
Rm 0010A	174842	301841	1.4	301103	0.0
Hall 0011A	174843	301919	2.3	301855	0.1
<b>First Floor</b>					
Rm 1000	174837	301971	0.3	301937	0.0
Rm 1002	174838	301973	0.1	302114	0.2
Rm 1003	181239	315069	0.3	315083	0.0
Rm 1004	181240	314282	0.3	314302	0.2
Rm 1005	181241	314358	0.2	314284	0.2
Rm 1006	181242	314317	0.3	314262	0.1
Rm 1007	181243	314370	0.2	314328	0.2

Table No. 9: Summary of Radon Samples Analysis Results February 23, 2018					
Sample ID#	Box Number	Sample Device Number	Radon Activity pCi/L	Blank Device Number	Radon Activity pCi/L
Rm 1011	181244	314276	0.4	314290	0.2
Rm 1012	181245	315057	0.2	315041	0.1
Rm 1013	181246	315048	0.2	315045	0.2
Rm 1014	181247	315074	0.4	315113	0.1
Hall 1015	181250	314268	0.3	314364	0.3
Rm 1016	181248	315056	0.2	315102	0.2
Rm 1017	181248	315079	0.2	315114	0.2
Rm 1019	174853	301846	0.3	301845	0.1
Rm 1022	174834	300648	2.6	301868	1.9
Rm 1022A	174835	301904	3.0	301830	2.0
Rm 1023	181252	314423	1.2	314337	0.2
Rm 1024	181251	314400	0.5	314286	0.0
Rm 1026	174831	302005	0.2	301857	0.0
Rm 1027	174832	301991	0.2	302027	0.0
Rm 1028A	174833	301935	4.1	301756	1.9
Rm 1030	174827	301940	0.5	302030	0.1
Rm 1030A	174828	301843	0.4	301783	0.1
Rm 1030E1	174830	301805	0.5	301943	0.1
Rm 1031A	174829	301751	0.4	301962	0.2
Rm 1032	174823	301789	0.3	301754	0.3
Rm 1032B	174824	301851	0.6	301847	0.1
Rm 1032C	174825	302006	0.4	301878	0.2
Rm 1033	174823	301938	0.4	301749	0.3
Rm 1035	174821	301784	0.2	302111	0.1
Rm 1031 (1037)	174826	301914	0.4	301787	0.2
Rm 1038	174820	301901	0.0	301816	0.1
Rm 1039	174819	301808	0.0	301936	0.0
Rm 1040	174868	301862	0.1	301892	0.1
Rm 1041	174866	301873	0.2	301837	0.1
Rm 1042	174864	301957	0.3	301844	0.0
Rm 1043	174863	301852	0.2	301921	0.1
Rm 1044	174862	301951	0.1	301910	0.0
Rm 1045	174858	301832	0.2	300803	0.1
Hall 1046	174836	301918	1.7	301835	0.2
Rm 1049	174856	301917	0.2	301890	0.0
Rm 1050	174855	301860	0.1	301895	0.1
Rm 1051	174854	301993	0.2	301867	0.0
Hall 1052	174857	301916	0.3	301870	0.1
Basement Stairs	181253	314263	2.0	314349	0.2

**Notes:**

Rm = Room

The laboratory analysis results from the Radon assessment revealed concentrations of Radon equal to or exceeding 4.0 pCi/L, in four (4) sample locations. It should be noted that except for the Music Room Office these spaces are not frequently occupied rooms as defined in the EPA referenced document. The QA/QC control blank associated with the Music Room and two (2) other locations were outside the normal range, as this may indicate an unreliable result and recommended by the EPA referenced document, on April 2, 2018, during spring recess, JCB performed follow-up testing. The test kits were collected on April 6, 2018 after at least three days of exposure.

The laboratory analysis results from the follow-up testing revealed concentrations of Radon equal to or below 4.0 pCi/L; therefore, the Radon level within the Music Room Office is consistent with the remainder of the first-floor assessment results collected in February 2018 (see Tables No. 10 & 11).

#### **Section No. 4.0: Radon Laboratory Analytical Summary**

The short-term Radon in Air sampling was performed utilizing laboratory supplied test kits, assigned individual identification numbers and were secured. Chain of Custody documents were prepared, and the samples were then delivered to an independent New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory for analysis of Radon in Air.

EMSL Analytical Inc. (EMSL) of Cinnaminson, New Jersey provided laboratory analytical services. Copies of EMSL's NYSDOH certifications are available upon request.

The laboratory analytical results for the Radon in Air samples were reviewed and compared to the United States Environmental Protection Agency (EPA) recommended action level of 4.0 pCi/L as reported in *Radon Measurement in Schools Revised Edition* (EPA 402-R-92-014), dated July 1993. The document also states, "that the EPA and other public health officials publish radon guidelines, but these guidelines are not occupational safety and health standards and do not carry the weight of law."

#### **Section No. 5.0: Quality Assurance and Quality Control (QA/QC) Procedures**

To ensure that measurement results are reliable, JCB performed unexposed control detectors (blanks) side-by-side with the sampling device at each sampling location.

The field sampling team maintained Radon sampling chain of custody records used to track samples from sampling point to analysis which summarized the following:

- Sample identification;
- Test Kit ID number;
- Device ID number;
- Sampling beginning date and time;
- Sampling ending date and time;
- Temperature, °F;
- Humidity, %;

**Section No. 6.0: Recommendations**

Based upon the sampling results reported, the USEPA decision matrix does not recommend any additional mitigation for Radon.

JCB does recommend that continued monitoring for Radon within the school building be performed to confirm the effectiveness of the installed isolation barrier.

Sincerely,  
**J.C. Broderick & Associates, Inc.**



Jeffrey V. Nannini  
Environmental Scientist

  
Steven Muller, P.G.  
Project Manager

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## **Tables**

Table No. 1: Summary of Radon Samples Submitted for Laboratory Analysis				
Sample ID#	Sample Start Date	Sample End Date	Description of Sample	Analysis Method
<b>Basement</b>				
Rm 0005	04-12-17	04-17-17	Basement Storage Room	Radon in Air
Hall 0011	04-12-17	04-17-17	Basement Hallway	Radon in Air
Rm 0006	04-12-17	04-17-17	Basement Storage Room	Radon in Air
Rm 0007	04-12-17	04-17-17	Basement Storage Room	Radon in Air
<b>Notes:</b> Rm = Room				

Table No. 2: Summary of Radon Samples Analysis Results April 17, 2017					
Sample ID#	Box Number	Sample Device Number	Radon Activity pCi/L	Blank Device Number	Radon Activity pCi/L
<b>Basement</b>					
Rm 0005	165566	283918	6.0	283728	0.1
Hall 0011	165532	283832	5.6	283960	0.1
Rm 0006	165535	283957	6.6	283821	0.1
Rm 0007	165550	283735	3.9	283944	0.1
<b>Notes:</b> Rm = Room					

Table No. 3: Summary of Radon Samples Analysis Results May 2, 2017					
Sample ID#	Box Number	Sample Device Number	Radon Activity pCi/L	Blank Device Number	Radon Activity pCi/L
<b>Basement</b>					
Rm 0005	165547	283825	4.4	283923	0.1
Hall 0011	165555	283674	7.0	283799	0.1
Rm 0006	165537	283835	4.1	283897	0.03
<b>Notes:</b> Rm = Room					

Table No. 4: Summary of Radon Samples Submitted for Laboratory Analysis				
Sample ID#	Sample Start Date	Sample End Date	Description of Sample	Analysis Method
<b>Basement/Crawlspac</b>				
Rm 0005	05-26-17	05-30-17	Basement Storage Room	Radon in Air
Hall 0011	05-26-17	05-30-17	Basement Hallway	Radon in Air
Rm 0006	05-26-17	05-30-17	Basement Storage Room	Radon in Air
Crawl 0003	05-26-17	05-30-17	Crawl Space	Radon in Air
Crawl 0002	05-26-17	05-30-17	Crawl Space	Radon in Air

Table No. 4: Summary of Radon Samples Submitted for Laboratory Analysis				
Sample ID#	Sample Start Date	Sample End Date	Description of Sample	Analysis Method
Crawl 0002A	05-26-17	05-30-17	Crawl Space	Radon in Air
Crawl 0002B	05-26-17	05-30-17	Crawl Space	Radon in Air
Crawl 0008	05-26-17	05-30-17	Crawl Space	Radon in Air
Crawl 0009	05-26-17	05-30-17	Crawl Space	Radon in Air
Crawl 0010	05-26-17	05-30-17	Crawl Space	Radon in Air
Crawl 0010A	05-26-17	05-30-17	Crawl Space	Radon in Air
Hall 0011A	05-26-17	05-30-17	Basement Hallway	Radon in Air

**Notes:**  
Rm = Room

Table No. 5: Summary of Radon Samples Analysis Results May 30, 2017					
Sample ID#	Box Number	Sample Device Number	Radon Activity pCi/L	Blank Device Number	Radon Activity pCi/L
<b>Basement/Crawlspace</b>					
Rm 0005	165513	283950	1.9	283881	-0.1
Hall 0011	165515	283921	1.4	283890	0.0
Rm 0006	165516	283958	1.7	283953	0.0
Crawl 0003	165517	283936	5.0	283814	0.0
Crawl 0002	165514	283954	7.8	283906	0.0
Crawl 0002A	165503	283929	5.0	283903	-0.1
Crawl 0002B	165504	283945	5.7	283931	0.2
Crawl 0008	165505	282889	7.5	283880	0.0
Crawl 0009	165506	283913	4.0	283909	0.0
Crawl 0010	165507	283907	3.8	283947	0.0
Crawl 0010A	165508	283904	4.8	283943	0.3
Hall 0011A	165509	283818	2.8	283891	0.1

**Notes:**  
Rm = Room

Table No. 6: Summary of Radon Samples Submitted for Laboratory Analysis				
Sample ID#	Sample Start Date	Sample End Date	Description of Sample	Analysis Method
<b>Basement/Crawlspace</b>				
Rm 0005	09-18-17	09-22-17	Basement Storage Room	Radon in Air
Hall 0011	09-18-17	09-22-17	Basement Hallway	Radon in Air
Rm 0006	09-18-17	09-22-17	Basement Storage Room	Radon in Air
Crawl 0003	09-18-17	09-22-17	Crawl Space	Radon in Air
Crawl 0002	09-18-17	09-22-17	Crawl Space	Radon in Air
Crawl 0002A	09-18-17	09-22-17	Crawl Space	Radon in Air

Table No. 6: Summary of Radon Samples Submitted for Laboratory Analysis				
Sample ID#	Sample Start Date	Sample End Date	Description of Sample	Analysis Method
Crawl 0002B	09-18-17	09-22-17	Crawl Space	Radon in Air
Crawl 0008	09-18-17	09-22-17	Crawl Space	Radon in Air
Crawl 0009	09-18-17	09-22-17	Crawl Space	Radon in Air
Crawl 0010	09-18-17	09-22-17	Crawl Space	Radon in Air
Crawl 0010A	09-18-17	09-22-17	Crawl Space	Radon in Air
Hall 0011A	09-18-17	09-22-17	Basement Hallway	Radon in Air

**Notes:**  
Rm = Room

Table No. 7: Summary of Radon Samples Analysis Results September 23, 2017					
Sample ID#	Box Number	Sample Device Number	Radon Activity pCi/L	Blank Device Number	Radon Activity pCi/L
<b>Basement/Crawlspace</b>					
Rm 0005	165524	283888	1.0	283882	0.0
Hall 0011	165522	283956	1.5	283898	0.1
Rm 0006	165523	283902	1.0	283948	-0.1
Crawl 0003	165525	283908	3.1	283939	-0.2
Crawl 0002	165526	283937	1.6	283836	0.0
Crawl 0002A	165527	283895	3.2	283810	-0.1
Crawl 0002B	165528	283805	2.6	283813	0.0
Crawl 0008	165530	283892	2.3	283833	-0.2
Crawl 0009	165531	283850	1.4	283927	0.1
Crawl 0010	165532	283911	1.7	283912	-0.1
Crawl 0010A	165533	283959	1.5	283894	-0.1
Hall 0011A	165529	283829	1.4	283793	-0.2

**Notes:**  
Rm = Room

Table No. 10: Summary of Radon Samples Submitted for Laboratory Analysis				
Sample ID#	Sample Start Date	Sample End Date	Description of Sample	Analysis Method
<b>Basement/Crawlspace</b>				
Crawl 0002	04-2-18	04-6-18	Crawl Space	Radon in Air
Crawl 0002A	04-2-18	04-6-18	Crawl Space	Radon in Air
Crawl 0002B	04-2-18	04-6-18	Crawl Space	Radon in Air
<b>First Floor</b>				
Rm 1028A	04-2-18	04-6-18	Music Room Office	Radon in Air

**Notes:**  
Rm = Room

Table No. 11: Summary of Radon Samples Analysis Results April 6, 2018					
Sample ID#	Box Number	Sample Device Number	Radon Activity pCi/L	Blank Device Number	Radon Activity pCi/L
<b>Basement/Crawlspace</b>					
Crawl 0002	181225	315073	3.8	315121	0.1
Crawl 0002A	181256	315060	3.6	315017	0.05
Crawl 0002B	181257	315093	<b>4.0</b>	315053	0.2
<b>First Floor</b>					
Rm 1028A	181254	314371	0.6	314387	0.005
<b>Notes:</b> Rm = Room					

---

## **Appendix A**

## **Figures**



J.C. BRODERICK

& Associates

Environmental Consulting and  
Testing

1775 Express Drive North

Hauppauge, NY 11788

Phone: (631) 584.5492

Fax: (631) 584.3395

Notes:

Central Boulevard  
Elementary School  
60 Central Boulevard  
Bethpage, NY 11714

Drawing Title

Figure No. 1

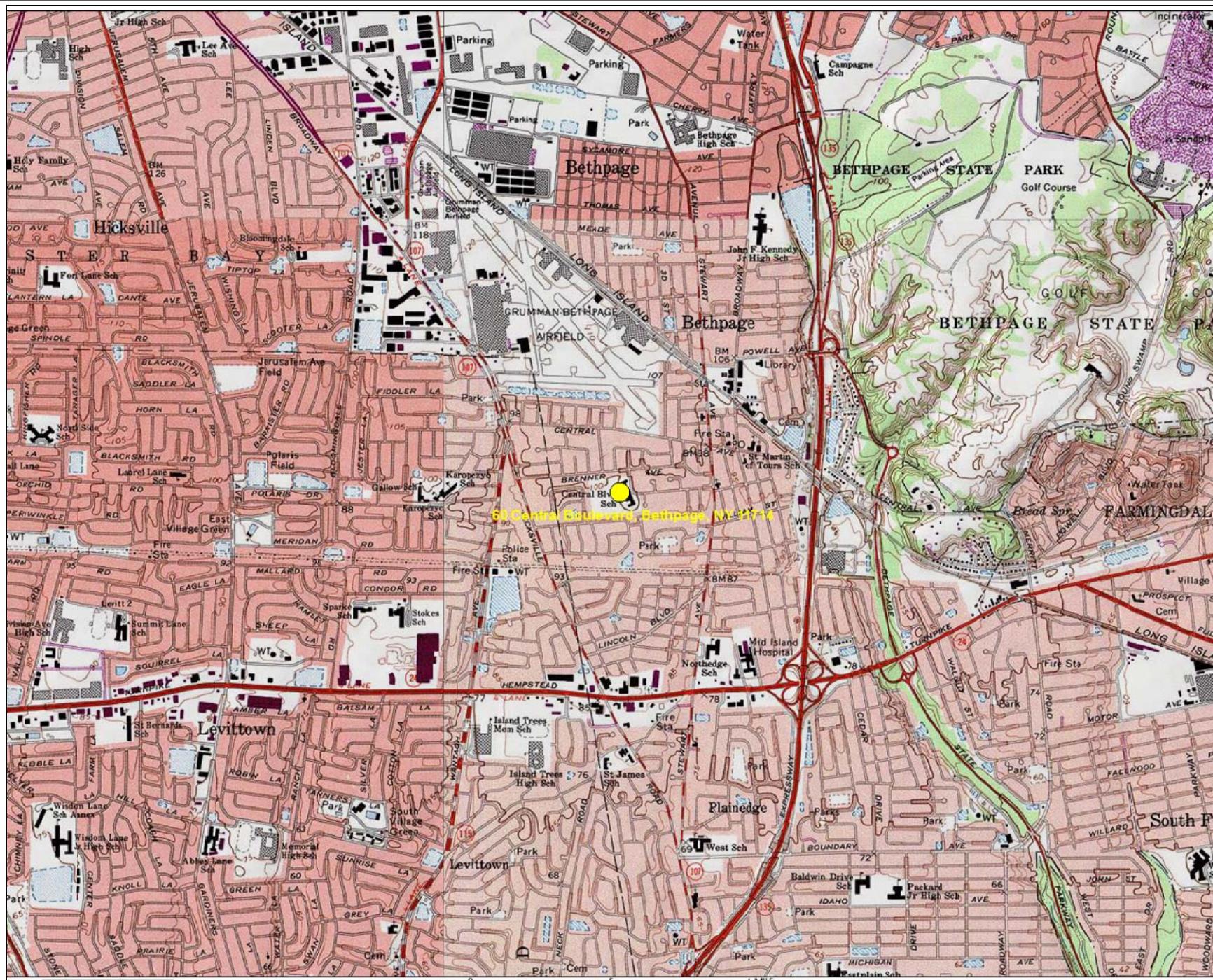
Site Location Map

Scale Project No. Date  
As Noted 18-39190 03-15-18

Drawn By Checked By Page No.  
E.L.C. S.W.M. 1 of 3

Drawing No.

1



**JCB LEGEND**

■ SUBJECT SITE

0 1000 FEET 0 500 1000 METERS

Map created with TOPO!® ©2002 National Geographic ([www.nationalgeographic.com/topo](http://www.nationalgeographic.com/topo))



J.C. BRODERICK

& Associates

Environmental Consulting and  
Testing

1775 Express Drive North

Hauppauge, NY 11788

Phone: (631) 584.5492

Fax: (631) 584.3395

Notes:

Central Boulevard  
Elementary School  
60 Central Boulevard  
Bethpage, NY 11714

Drawing Title

Figure No. 2

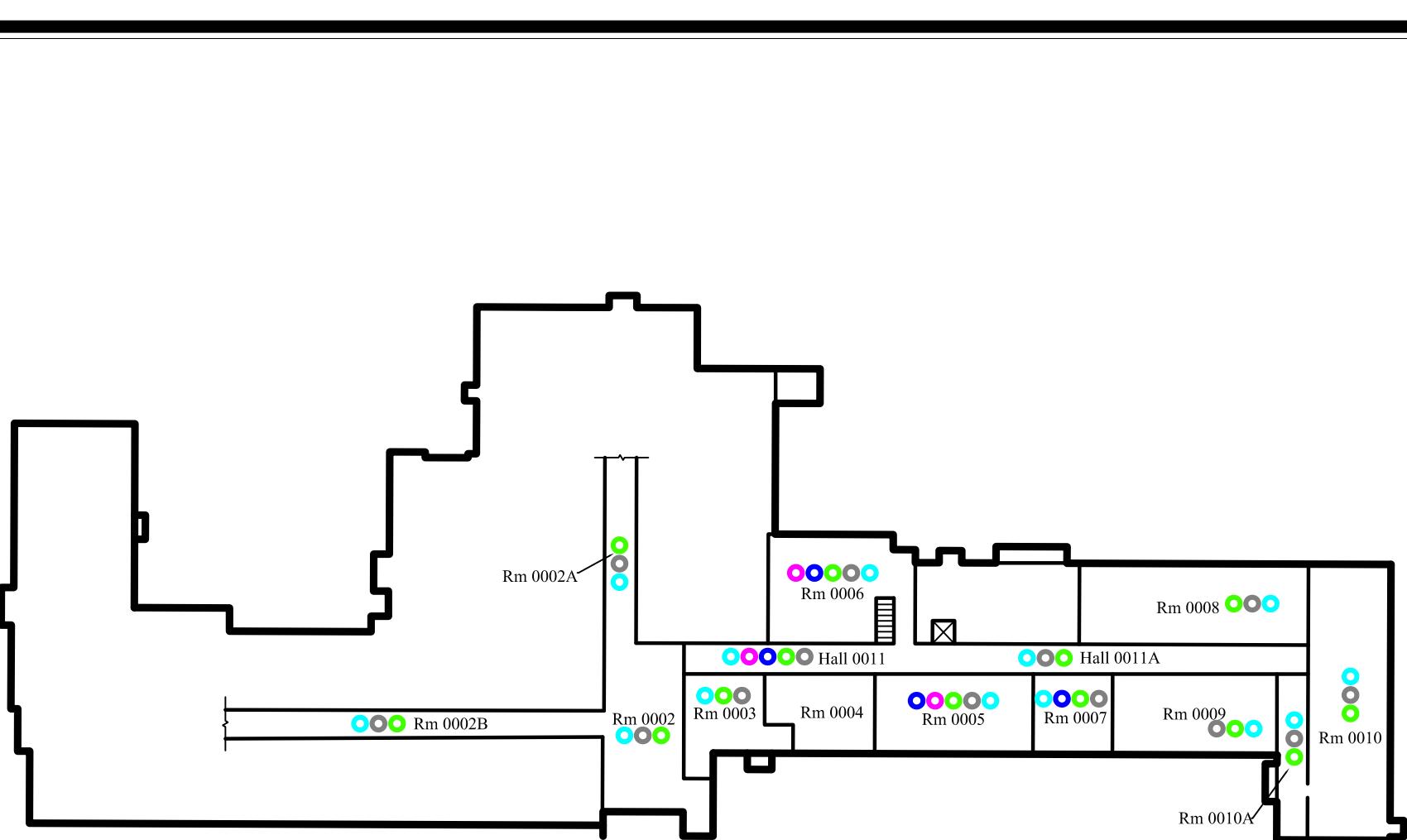
Crawlspace  
and  
Basement  
Sampling  
Locations

Scale Project No. Date  
N.T.S. 18-39190 02-23-18

Drawn By Checked By Page No.  
E.L.C. S.W.M. 2 of 3

Drawing No.

2



JCB LEGEND					
●	April 17, 2017 SAMPLING LOCATION				
●	May 2, 2017 SAMPLING LOCATION				
●	May 30, 2017 SAMPLING LOCATION				
●	September 23, 2017 SAMPLING LOCATION				
●	February 23, 2017 SAMPLING LOCATION				

J.C. BRODERICK

& Associates

Environmental  
Consulting and Testing  
1775 Expressway Drive North  
Hauppauge, NY 11788  
Phone: (631).584.5492  
Fax: (631).584.3395

Notes:

Central Boulevard  
Elementary School  
60 Central Boulevard  
Bethpage, NY 11714

Drawing Title

Figure No. 3

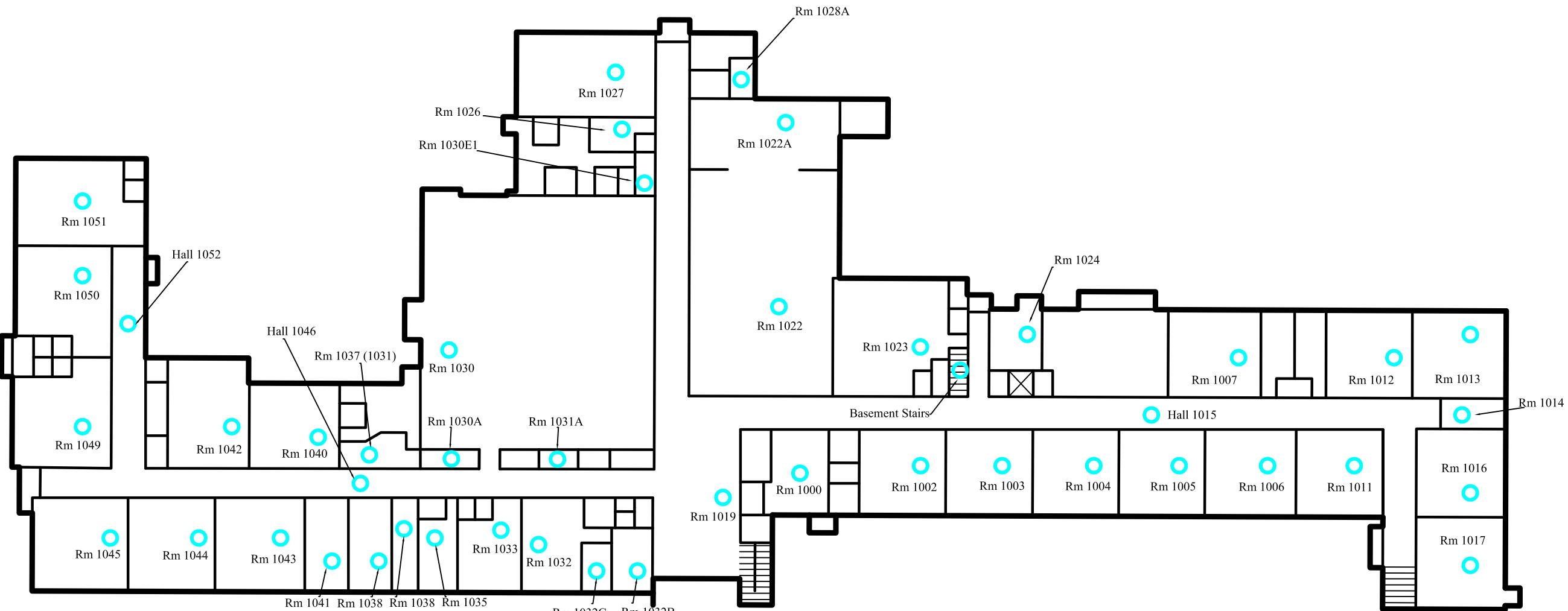
First Floor  
Sampling  
Locations

Scale	Project No.	Date
N.T.S.	18-39190	02-23-18

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	3 of 3

Drawing No.

3



PROJECT  
NORTH

JCB LEGEND

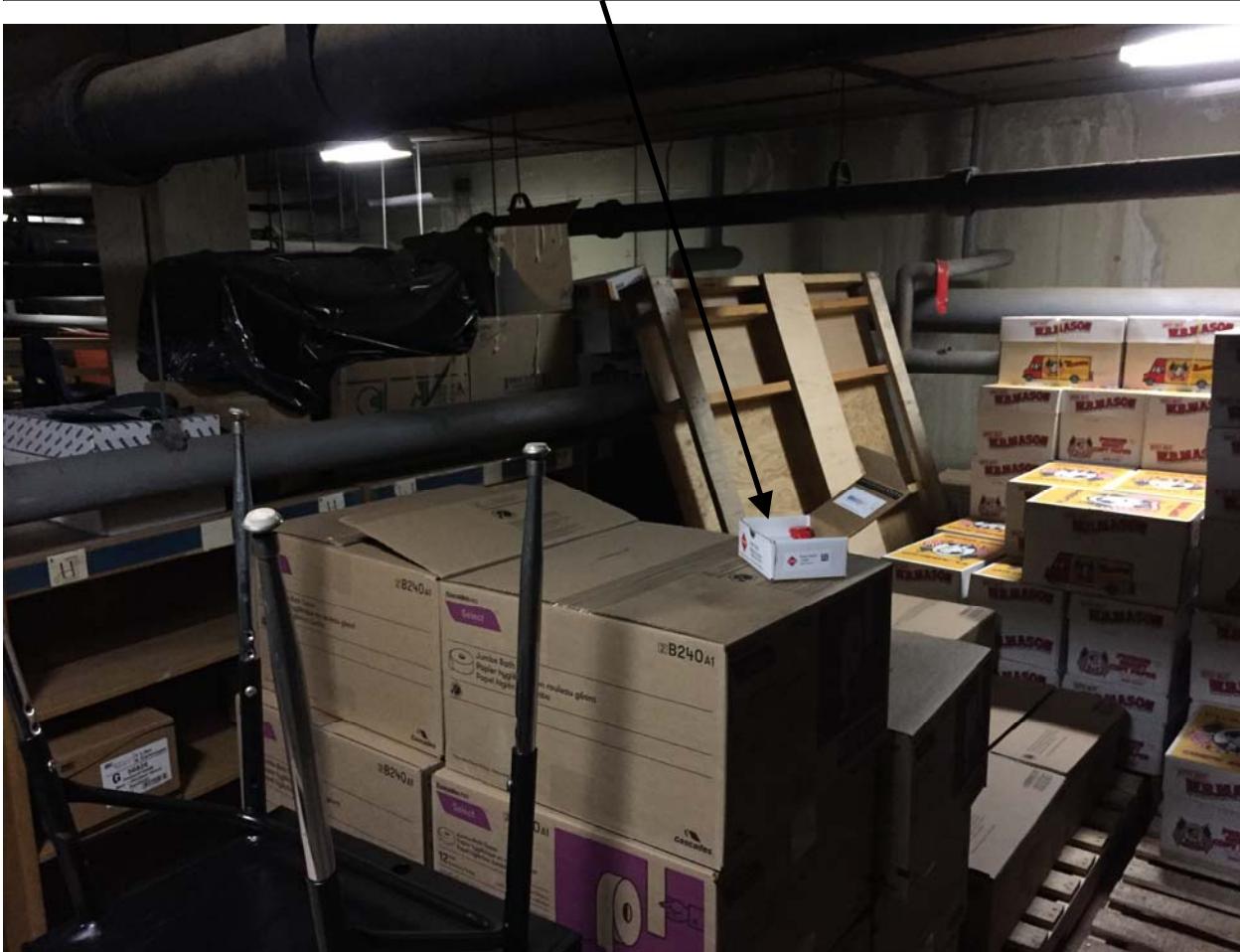
February 23, 2017 SAMPLING LOCATION

---

## **Appendix B**

### **Field Photograph Logs**

## **Radon Sampling Location Within Storage Room in Basement**



## **Field Photograph Log**

**Radon Investigation Report**

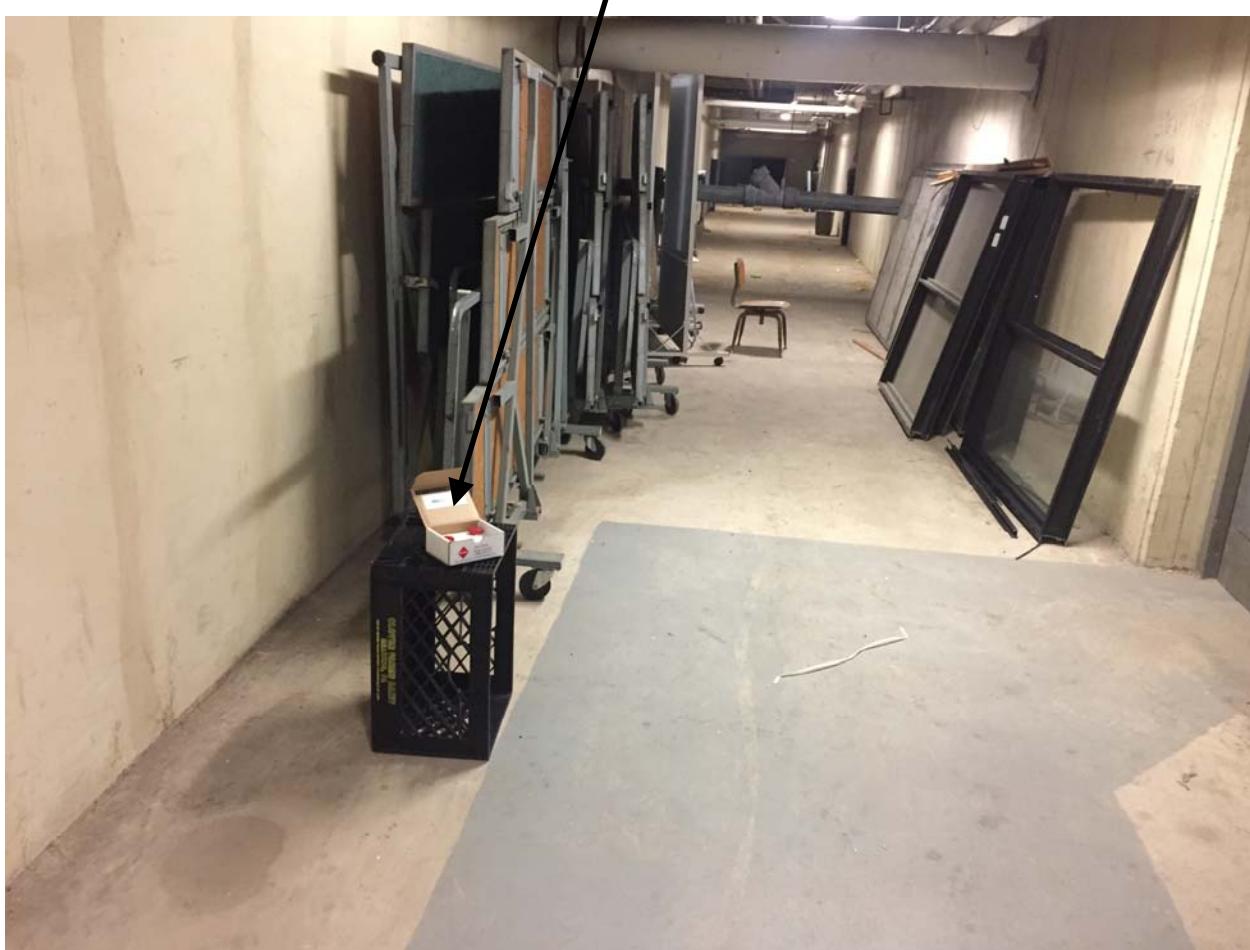
**Central Boulevard Elementary School  
60 Central Boulevard  
Bethpage, New York 11714**



**Photo No. 01**

**JCB#: 18-39190**

## **Radon Sampling Location Within Hallway in Basement**



## **Field Photograph Log**

**Radon Investigation Report**

**Central Boulevard Elementary School  
60 Central Boulevard  
Bethpage, New York 11714**



**Photo No. 02**

**JCB#: 18-39190**

**Radon Sampling Location Within Crawlspace  
Prior to Vapor Barrier Installation**



**Field Photograph Log**

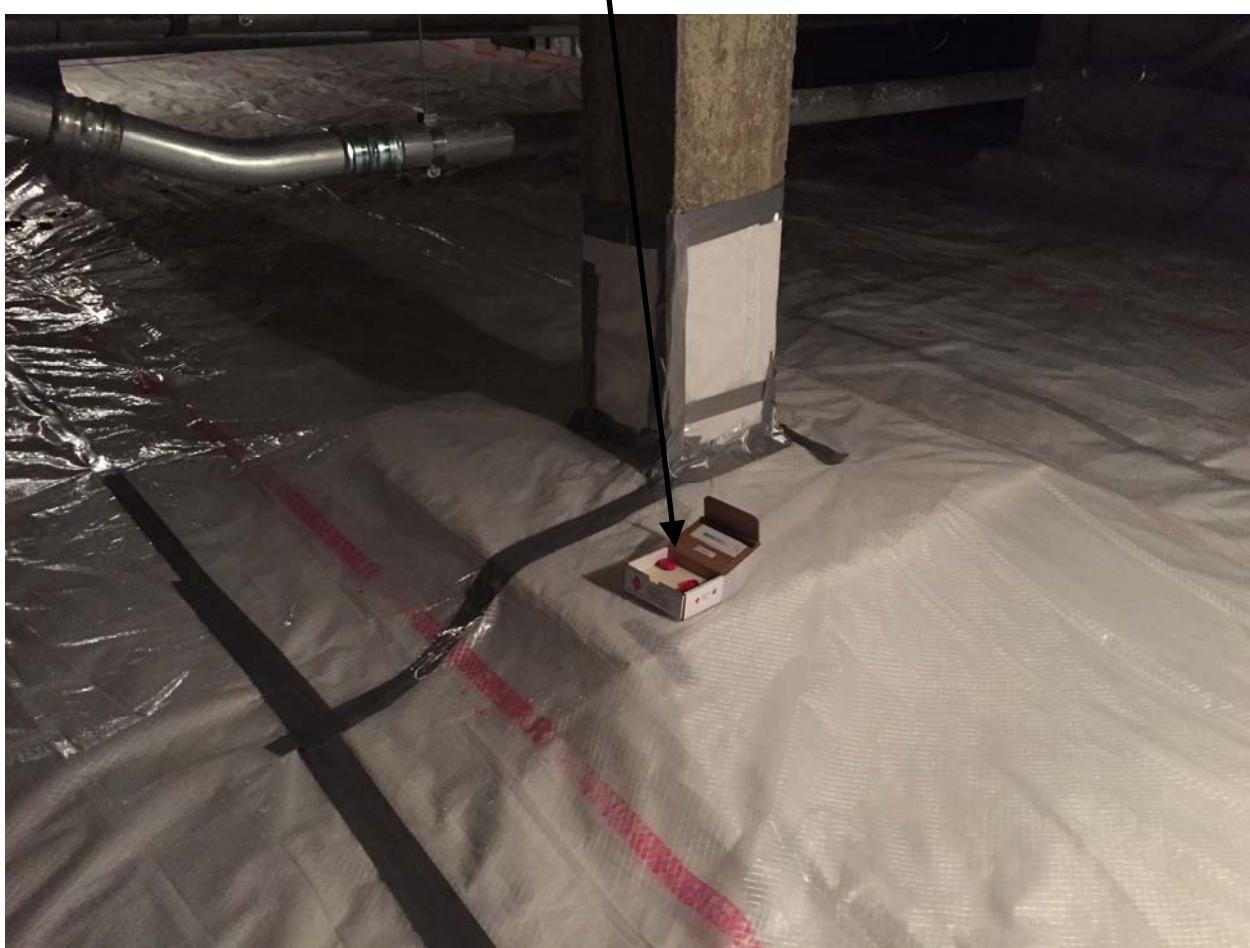
**Radon Investigation Report**

**Central Boulevard Elementary School  
60 Central Boulevard  
Bethpage, New York 11714**

**Photo No. 03**

**JCB#: 18-39190**

**Radon Sampling Location Within Crawlspace  
Subsequent to Vapor Barrier Installation**



**Field Photograph Log**

**Radon Investigation Report**

**Central Boulevard Elementary School  
60 Central Boulevard  
Bethpage, New York 11714**



**Photo No. 04**

**JCB#: 18-39190**

## Typical Radon Sampling Location Within First Floor Classroom



## Field Photograph Log

Radon Investigation Report

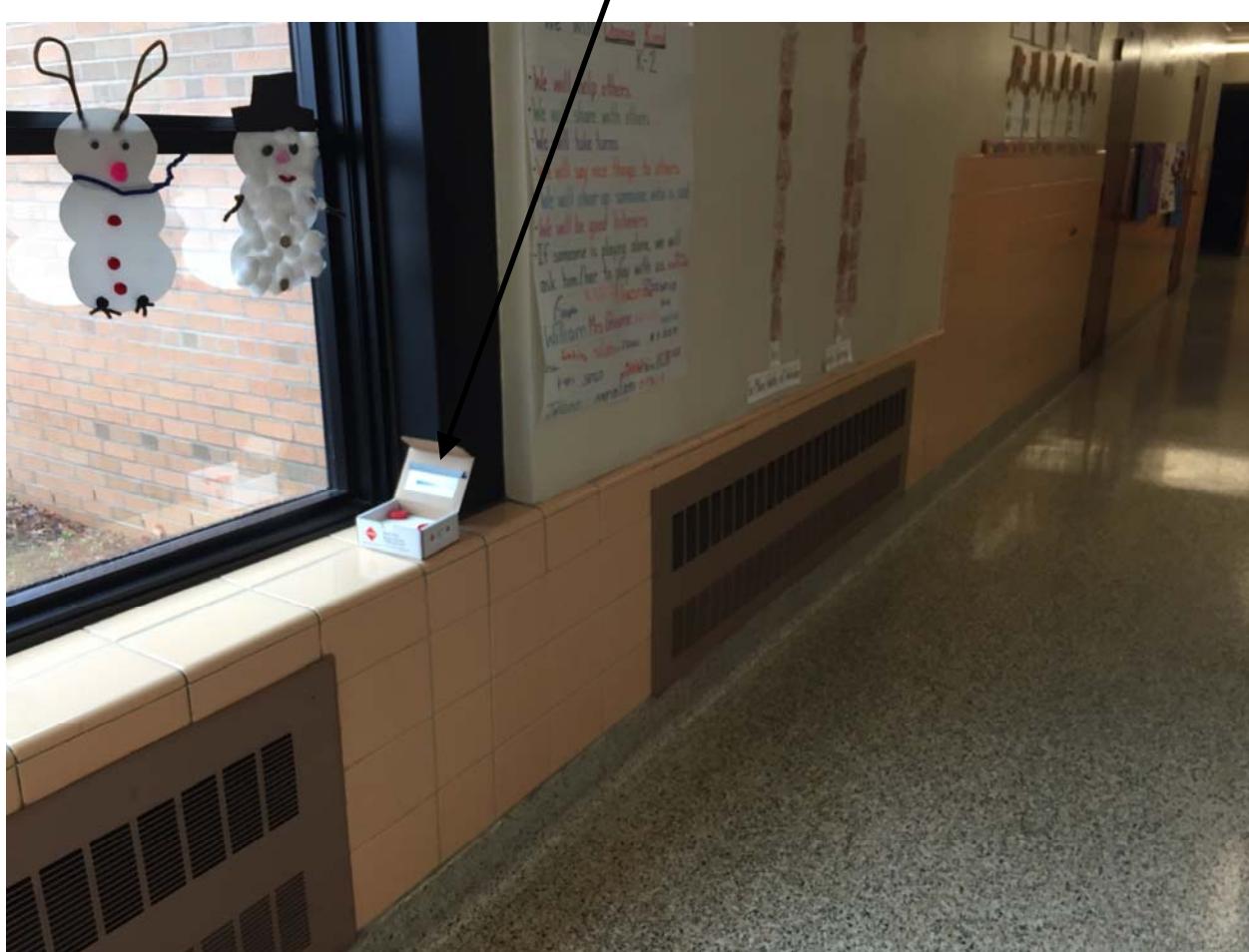
Central Boulevard Elementary School  
60 Central Boulevard  
Bethpage, New York 11714



Photo No. 05

JCB#: 18-39190

## Typical Radon Sampling Location Within First Floor Hallway



## Field Photograph Log

Radon Investigation Report

Central Boulevard Elementary School  
60 Central Boulevard  
Bethpage, New York 11714



Photo No. 06

JCB#: 18-39190

---

## **Appendix C**

# **Laboratory Analysis Reports**



## 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](mailto:cinnaminsonradonlab@emsl.com)

EMSL Order:	381703812
CustomerID:	JCBR50
CustomerPO:	17-36776
ProjectID:	

Attn: **Ed McGuire**  
**J.C. Broderick & Associates**  
**1775 Expressway Drive North**  
**Hauppauge, NY 11788**

Phone: (631) 584-5492  
Fax:  
Received: 04/18/17 6:55 AM  
Analysis Date: 4/19/2017  
Collected: 4/12/2017

Project: **60 Central Boulevard / 17-36776**

Test Site: **Central Blvd ES**  
**60 Central Boulevard**  
**Bethpage, NY 11714**

### Test Report: Radon in Air Test Results

#### Samples for EMSL Kit 165566

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283728	Rm 0005	0.1	4/12/2017	4/17/2017	70	60	Customer
381703812-0001			4:36:00 PM	8:19:00 AM			
<b>Sample Notes:</b> Radon device exposed >96 hours							
283918	Rm 0005	6	4/12/2017	4/17/2017	70	60	Customer
381703812-0002			4:36:00 PM	8:19:00 AM			
<b>Sample Notes:</b> Radon device exposed >96 hours							
<b>Summary for EMSL Kit 165566</b>		<b>Average Radon Result:</b> 3.0 pCi/L					

#### Samples for EMSL Kit 165532

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283960	Hall 0011	0.1	4/12/2017	4/17/2017	72	50	Customer
381703812-0003			4:37:00 PM	8:20:00 AM			
<b>Sample Notes:</b> Radon device exposed >96 hours							
283832	Hall 0011	5.6	4/12/2017	4/17/2017	72	50	Customer
381703812-0004			4:37:00 PM	8:20:00 AM			
<b>Sample Notes:</b> Radon device exposed >96 hours							
<b>Summary for EMSL Kit 165532</b>		<b>Average Radon Result:</b> 2.8 pCi/L					

#### Samples for EMSL Kit 165535

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283821	Rm 0006	0.1	4/12/2017	4/17/2017	72	60	Customer
381703812-0005			4:38:00 PM	8:21:00 AM			
<b>Sample Notes:</b> Radon device exposed >96 hours							
283957	Rm 0006	6.6	4/12/2017	4/17/2017	72	60	Customer
381703812-0006			4:38:00 PM	8:21:00 AM			
<b>Sample Notes:</b> Radon device exposed >96 hours							
<b>Summary for EMSL Kit 165535</b>		<b>Average Radon Result:</b> 3.3 pCi/L					



## EMSL Analytical, Inc.

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<http://www.EMSL.com>

[cinnaminsonradonlab@emsl.com](mailto:cinnaminsonradonlab@emsl.com)

EMSL Order:	381703812
CustomerID:	JCBR50
CustomerPO:	17-36776
ProjectID:	

Attn: **Ed McGuire**  
**J.C. Broderick & Associates**  
**1775 Expressway Drive North**  
**Hauppauge, NY 11788**

Phone: (631) 584-5492  
Fax:  
Received: 04/18/17 6:55 AM  
Analysis Date: 4/19/2017  
Collected: 4/12/2017

Project: **60 Central Boulevard / 17-36776**

Test Site: **Central Blvd ES**  
**60 Central Boulevard**  
**Bethpage, NY 11714**

### Test Report: Radon in Air Test Results

#### Samples for EMSL Kit 165550

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283944	Rm 0007	0.1	4/12/2017	4/17/2017	68	60	Customer
381703812-0007			4:39:00 PM	8:22:00 AM			
<b>Sample Notes:</b> Radon device exposed >96 hours							
283735	Rm 0007	3.9	4/12/2017	4/17/2017	68	60	Customer
381703812-0008			4:39:00 PM	8:22:00 AM			
<b>Sample Notes:</b> Radon device exposed >96 hours							
<b>Summary for EMSL Kit 165550</b>		<b>Average Radon Result: 2.0 pCi/L</b>					

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

Analyst(s)

Racquel Hafiz (8)

*Laura Freeman Peixue Ma*

Laura Freeman, Radon Laboratory Manager &  
Peixue Ma, Ph.D, NJ Radon Measurement Specialist NJ MES  
13502

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder. The test results meets all NELAC requirements unless otherwise specified.

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, IL RNL2008202.

Initial report from 04/20/2017 15:39:21

Please visit [www.radontestinglab.com](http://www.radontestinglab.com)





# 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](mailto:cinnaminsonradonlab@emsl.com)

EMSL Order: 381704382  
CustomerID: JCBR50  
CustomerPO:  
ProjectID:

Attn: **Ed McGuire**  
**J.C. Broderick & Associates**  
**1775 Expressway Drive North**  
**Hauppauge, NY 11788**

Phone: (631) 584-5492  
Fax:  
Received: 05/03/17 12:29 PM  
Analysis Date: 5/4/2017  
Collected: 4/28/2017

Project: **Central Blvd. ES**

Test Site: **Central Blvd. ES**  
**60 Central Blvd.**  
**Bethpage, NY 11714**

## Test Report: Radon in Air Test Results

### Samples for EMSL Kit 165547

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283825 381704382-0001	Rm 0005	4.4	4/28/2017 4:20:00 PM	5/2/2017 3:25:00 PM	72	50	Customer
283923 381704382-0002	Rm 0005	0.1	4/28/2017 4:20:00 PM	5/2/2017 3:25:00 PM	72	50	Customer

### Sample Notes:

### Summary for EMSL Kit 165547

Average Radon Result: 2.3 pCi/L

### Samples for EMSL Kit 165555

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283674 381704382-0003	Hall 0011	7	4/28/2017 4:21:00 PM	5/2/2017 3:28:00 PM	72	60	Customer
283799 381704382-0004	Hall 0011	0.1	4/28/2017 4:21:00 PM	5/2/2017 3:28:00 PM	72	60	Customer

### Sample Notes:

### Summary for EMSL Kit 165555

Average Radon Result: 3.5 pCi/L

### Samples for EMSL Kit 165537

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283835 381704382-0005	Rm 0006	4.1	4/28/2017 4:22:00 PM	5/2/2017 3:27:00 PM	74	40	Customer
283897 381704382-0006	Rm 0006	0.03	4/28/2017 4:22:00 PM	5/2/2017 3:27:00 PM	74	40	Customer

### Sample Notes:

### Summary for EMSL Kit 165537

Average Radon Result: 2.1 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

**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](mailto:cinnaminsonradonlab@emsl.com)

EMSL Order: 381704382  
CustomerID: JCBR50  
CustomerPO:  
ProjectID:

Attn: **Ed McGuire**  
**J.C. Broderick & Associates**  
**1775 Expressway Drive North**  
**Hauppauge, NY 11788**

Phone: (631) 584-5492  
Fax:  
Received: 05/03/17 12:29 PM  
Analysis Date: 5/4/2017  
Collected: 4/28/2017

Project: **Central Blvd. ES**

Test Site: **Central Blvd. ES**  
**60 Central Blvd.**  
**Bethpage, NY 11714**

## Test Report: Radon in Air Test Results

Analyst(s)

Racquel Hafiz (6)

Laura Freeman, Radon Laboratory Manager &  
Peixue Ma, Ph.D, NJ Radon Measurement Specialist NJ MES  
13502

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder. The test results meets all NELAC requirements unless otherwise specified.

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, IL RNL2008202.

Initial report from 05/05/2017 13:05:02

Please visit [www.radontestinglab.com](http://www.radontestinglab.com)





## 2 Separate Orders

**EMSL Analytical, Inc.**  
**Sample Transfer Form**

 381704382  
 381704381

Receiving Lab:	EMSL-Carle Place			Phone Number:	516-997-7251
				Fax Number:	
Relinquished to:	EMSL- Cinnaminson			Phone Number:	
				Fax Number:	
Does new lab hold equivalent or additional accreditation? * <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
EMSL Customer ID # (if known):		JCBR50			
Client Name:		JC Broderrick			
Client Project:		JFF MS & Central Blvd ES			
Tests to be Performed:					
Date Received:		5-2-17			
Date Relinquished:		5-2-17 S-3-17 -cancer			
Date Due:		5 day TAT			
Special Instructions: (e.g. Work Order #, required qualifications, project specific procedures/modifications)		Radar			
Relinquished by (Signature): 		Date: 5-3-17	Received by (Signature): Raquel H.		Date: 5-3-17
Relinquished by (Signature):		Date:	Received by (Signature):		Date:

**Customer Agreement-** Please sign form and send to the receiving laboratory. By signing below, you agree to permit the above named receiving lab to transfer samples to a separate EMSL lab with equivalent qualifications\* for analysis. The final report will be issued from the analyzing laboratory. Ensure any requirements are listed in special instructions.

Name (please print): Stewart Marion	Signature: 	Agent of: JCBRODERRICK & ASSOCIATES	Date: 5/2/17
--	----------------	--	-----------------

If this is a recurring project or sample type that may require samples to be relinquished on a regular basis, a Standing Agreement form must be completed.

\* Receiving and analyzing labs shall be aware of required qualifications of project prior to transfer of samples.

Note: If customer has been notified and approved this transfer verbally or by e-mail, the receiving lab must sign for the customer above. EMSL employee filling out form on behalf of customer shall print name of person to whom they spoke, date agreement was received, and then sign under Signature.

**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](mailto:cinnaminsonradonlab@emsl.com)

EMSL Order:	381705424
CustomerID:	JCBR50
CustomerPO:	
ProjectID:	

Attn: **Ed McGuire**  
**J.C. Broderick & Associates**  
**1775 Expressway Drive North**  
**Hauppauge, NY 11788**

Phone: (631) 584-5492  
Fax:  
Received: 06/01/17 1:55 PM  
Analysis Date: 6/5/2017  
Collected: 5/26/2017

Project: **Central Blvd. ES**Test Site: **Central Blvd. ES**  
**60 Central Boulevard**  
**Bethpage, NY 11714****Test Report: Radon in Air Test Results****Samples for EMSL Kit 165513**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283950 381705424-0001	Rm 0005	1.9	5/26/2017 5:34:00 PM	5/30/2017 8:28:00 AM	70	60	Customer
283881 381705424-0002	Rm 0005	-0.1	5/26/2017 5:35:00 PM	5/30/2017 8:28:00 AM	70	60	Blank

**Sample Notes:****Samples for EMSL Kit 165515**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283921 381705424-0003	Hall 0011	1.4	5/26/2017 5:37:00 PM	5/30/2017 8:31:00 AM	72	50	Customer
283890 381705424-0004	Hall 0011	0	5/26/2017 5:38:00 PM	5/30/2017 8:31:00 AM	72	50	Blank

**Sample Notes:****Samples for EMSL Kit 165516**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283958 381705424-0005	Rm 0006	1.7	5/26/2017 5:39:00 PM	5/30/2017 8:30:00 AM	76	40	Customer
283953 381705424-0006	Rm 0006	0	5/26/2017 5:39:00 PM	5/30/2017 8:30:00 AM	76	40	Blank

**Sample Notes:**

**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](mailto:cinnaminsonradonlab@emsl.com)

EMSL Order: 381705424  
CustomerID: JCBR50  
CustomerPO:  
ProjectID:

Attn: **Ed McGuire**  
**J.C. Broderick & Associates**  
**1775 Expressway Drive North**  
**Hauppauge, NY 11788**

Phone: (631) 584-5492  
Fax:  
Received: 06/01/17 1:55 PM  
Analysis Date: 6/5/2017  
Collected: 5/26/2017

Project: **Central Blvd. ES**

Test Site: **Central Blvd. ES**  
**60 Central Boulevard**  
**Bethpage, NY 11714**

**Test Report: Radon in Air Test Results****Samples for EMSL Kit 165517**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283936	Crawl 0003	5	5/26/2017 5:45:00 PM	5/30/2017 8:33:00 AM	70	70	Customer
381705424-0007							

**Sample Notes:**

283814	Crawl 0003	0	5/26/2017 5:45:00 PM	5/30/2017 8:33:00 AM	70	70	Blank
381705424-0008							

**Sample Notes:****Samples for EMSL Kit 165514**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283954	Crawl 0002	7.8	5/26/2017 5:50:00 PM	5/30/2017 8:35:00 AM	74	75	Customer
381705424-0009							

**Sample Notes:**

283906	Crawl 0002	0	5/26/2017 5:50:00 PM	5/30/2017 8:35:00 AM	74	75	Blank
381705424-0010							

**Sample Notes:****Samples for EMSL Kit 165503**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283929	Crawl 0002A	5	5/26/2017 5:54:00 PM	5/30/2017 8:36:00 AM	76	70	Customer
381705424-0011							

**Sample Notes:**

283903	Crawl 0002A	-0.1	5/26/2017 5:54:00 PM	5/30/2017 8:36:00 AM	76	70	Blank
381705424-0012							

**Sample Notes:**



## EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

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<http://www.EMSL.com>

[cinnaminsonradonlab@emsl.com](mailto:cinnaminsonradonlab@emsl.com)

EMSL Order:	381705424
CustomerID:	JCBR50
CustomerPO:	
ProjectID:	

Attn: **Ed McGuire**  
**J.C. Broderick & Associates**  
**1775 Expressway Drive North**  
**Hauppauge, NY 11788**

Phone: (631) 584-5492  
Fax:  
Received: 06/01/17 1:55 PM  
Analysis Date: 6/5/2017  
Collected: 5/26/2017

Project: **Central Blvd. ES**

Test Site: **Central Blvd. ES**  
**60 Central Boulevard**  
**Bethpage, NY 11714**

### Test Report: Radon in Air Test Results

#### Samples for EMSL Kit 165504

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283945	Crawl 0002B	5.7	5/26/2017 5:57:00 PM	5/30/2017 8:37:00 AM	74	70	Customer
381705424-0013							

**Sample Notes:**

283931	Crawl 0002B	0.2	5/26/2017 5:57:00 PM	5/30/2017 8:37:00 AM	74	70	Blank
381705424-0014							

**Sample Notes:**

#### Samples for EMSL Kit 165505

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283889	Crawl 0008	7.5	5/26/2017 6:04:00 PM	5/30/2017 8:27:00 AM	72	75	Customer
381705424-0015							

**Sample Notes:**

283880	Crawl 0008	0	5/26/2017 6:04:00 PM	5/30/2017 8:27:00 AM	72	75	Blank
381705424-0016							

**Sample Notes:**

#### Samples for EMSL Kit 165506

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283913	Crawl 0009	4	5/26/2017 6:07:00 PM	5/30/2017 8:26:00 AM	70	70	Customer
381705424-0017							

**Sample Notes:**

283909	Crawl 0009	0	5/26/2017 6:07:00 PM	5/30/2017 8:26:00 AM	70	70	Blank
381705424-0018							

**Sample Notes:**



## 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](mailto:cinnaminsonradonlab@emsl.com)

EMSL Order: 381705424  
CustomerID: JCBR50  
CustomerPO:  
ProjectID:

Attn: **Ed McGuire**  
**J.C. Broderick & Associates**  
**1775 Expressway Drive North**  
**Hauppauge, NY 11788**

Phone: (631) 584-5492  
Fax:  
Received: 06/01/17 1:55 PM  
Analysis Date: 6/5/2017  
Collected: 5/26/2017

Project: **Central Blvd. ES**

Test Site: **Central Blvd. ES**  
**60 Central Boulevard**  
**Bethpage, NY 11714**

### Test Report: Radon in Air Test Results

#### Samples for EMSL Kit 165507

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283907 381705424-0019	Crawl 0010	3.8	5/26/2017 6:11:00 PM	5/30/2017 8:23:00 AM	68	75	Customer
283947 381705424-0020	Crawl 0010	0	5/26/2017 6:11:00 PM	5/30/2017 8:23:00 AM	68	75	Blank

#### Sample Notes:

---

#### Samples for EMSL Kit 165508

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283904 381705424-0021	Crawl 0010A	4.8	5/26/2017 6:13:00 PM	5/30/2017 8:22:00 AM	70	75	Customer
283943 381705424-0022	Crawl 0010A	0.3	5/26/2017 6:13:00 PM	5/30/2017 8:22:00 AM	70	75	Blank

#### Sample Notes:

---

#### Samples for EMSL Kit 165509

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283818 381705424-0023	Hall 0011 A	2.8	5/26/2017 6:18:00 PM	5/30/2017 8:20:00 AM	74	60	Customer
283891 381705424-0024	Hall 0011 A	0.1	5/26/2017 6:18:00 PM	5/30/2017 8:20:00 AM	74	60	Blank

#### Sample Notes:

---

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

**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](mailto:cinnaminsonradonlab@emsl.com)

EMSL Order: 381705424  
CustomerID: JCBR50  
CustomerPO:  
ProjectID:

Attn: **Ed McGuire**  
**J.C. Broderick & Associates**  
**1775 Expressway Drive North**  
**Hauppauge, NY 11788**

Phone: (631) 584-5492  
Fax:  
Received: 06/01/17 1:55 PM  
Analysis Date: 6/5/2017  
Collected: 5/26/2017

Project: **Central Blvd. ES**

Test Site: **Central Blvd. ES**  
**60 Central Boulevard**  
**Bethpage, NY 11714**

## Test Report: Radon in Air Test Results

Analyst(s)

Racquel Hafiz (24)

Laura Freeman, Radon Laboratory Manager &  
Peixue Ma, Ph.D, NJ Radon Measurement Specialist NJ MES  
13502

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder. The test results meets all NELAC requirements unless otherwise specified.

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 #109000AL, KS-LB-0005, IL RNL2008202.

Initial report from 06/08/2017 17:02:45

Please visit [www.radontestinglab.com](http://www.radontestinglab.com)



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EMSL  
CINNAMINSON, N.J.

CHAIN OF CUSTODY  
RADON LABORATORY SERVICES  
(COMMERCIAL USE)

JCBR50

M#3

5 Day

EMSL ANALYTICAL, INC.

12017 JUN -1 P 1:54

EMSL Job #:

381705424

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077

PHONE: 800-220-3675  
FAX: 856-786-0327

## Company Information

Company Name: J.C.BRODERICK &amp; ASSOC.

EMSL Account #:

Contact: ED mcGUIRE

Address: 1775 EXPRESSWAY DR. N

City: Hauppauge

State: NY Zip Code: 11788

Phone: 631-584-5492

Fax: 631-584-3395

Email: EMCUGUIRE@JCBRODERICK.COM

## Project / Property Information:

Name: CENTRAL BLVD. ES

Address: 60 CENTRAL BOULEVARD

City: BETHPAGE

Municipality: County: NASSAU

State: N.Y Zip Code: 11714

PO#/Project#:

 Please check box if this is a Post Mitigation Test

Technician Name: STEVEN MULLEN

Technician Certification #:

Technician Signature:

RECEIVED  
EMSL ANALYTICAL, INC.  
CHARLE PECIARINI  
17 MAY 30 2017

## Disclaimer

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages arising out of or in connection with EMSL's services there under or the delivery, use, reliance upon or interpretation of test results by client or third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereafter.

Box Number	Device Number	Location	Exposure Period Beginning Date and Time	Exposure Period Ending Date and Time	Temperature, °F	Humidity, %
165513	283950	Rm 0005	5/26/17 5:34pm	5/30/17 8:28pm	70	60
165513	283881	Rm 0005 BLANK	5/26/17 5:35pm	5/30/17		
165515	283921	HALL 0011	5/26/17 5:37pm	5/30/17 8:31pm	72	50
165515	283890	HALL 0011 BLANK	5/26/17 5:38pm	5/30/17		
165516	283958	Rm 0006	5/26/17 5:39pm	5/30/17 8:33pm	76	40
165516	283953	Rm 0006 BLANK	5/26/17 +	5/30/17		
165517	283936	CRAWL 0003	5/26/17 5:45pm	5/30/17 8:35pm	70	70
165517	283814	CRAWL 0003 BLANK	5/26/17	5/30/17		
165514	283954	CRAWL 0002	5/26/17 5:50pm	5/30/17 8:35pm	74	80±5%
165514	283906	CRAWL 0002 BLANK	5/26/17	5/30/17		
165503	283929	CRAWL0002A	5/26/17 5:54pm	5/30/17 8:36AM	76	70
165503	283903	CRAWL0002A BLANK	5/26/17	5/30/17		

Relinquished By: Steven Mullen 5/30/17

Received By: 5/30/17

\* CHANGE DUE TO  
CALIBRATION FACTOR

REC'D 6/1/17



**EMSL ANALYTICAL, INC.**

**CHAIN OF CUSTODY  
RADON LABORATORY SERVICES  
(COMMERCIAL USE)**

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077

PHONE: 800-220-3675  
FAX: 856-786-0327

m#3

EMSL Job #:

381705424

Relinquished By: Lowell 5/30/17

Received By: *Racquel* + 6-117

Page 2 of 2  
[www.emsl.com](http://www.emsl.com)



## 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](mailto:cinnaminsonradonlab@emsl.com)

EMSL Order:	381709032
CustomerID:	JCBR50
CustomerPO:	
ProjectID:	

Attn: **Ed McGuire**  
**J.C. Broderick & Associates**  
**1775 Expressway Drive North**  
**Hauppauge, NY 11788**

Phone: (631) 584-5492  
Fax:  
Received: 09/25/17 3:35 PM  
Analysis Date: 9/26/2017  
Collected: 9/18/2017

Project: **17-37452 / Central Blvd. ES / 60 Central Blvd.**

Test Site: **Central Blvd. ES**  
**60 Central Blvd.**  
**Bethpage, NY 11714**

### Test Report: Radon in Air Test Results

#### Samples for EMSL Kit 165522

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283956 381709032-0001	Hall 0011	1.5	9/18/2017 5:35:00 PM	9/22/2017 11:35:00 AM	76	60	Customer
283898 381709032-0002	Hall 0011	0.1	9/18/2017 5:35:00 PM	9/22/2017 11:35:00 AM	76	60	Blank

#### Sample Notes:

---

#### Samples for EMSL Kit 165523

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283902 381709032-0003	Room 0006	1	9/18/2017 5:37:00 PM	9/22/2017 11:40:00 AM	78	50	Customer
283948 381709032-0004	Room 0006	-0.1	9/18/2017 5:37:00 PM	9/22/2017 11:40:00 AM	78	50	Blank

#### Sample Notes:

---

#### Samples for EMSL Kit 165524

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283888 381709032-0005	Room 0005	1	9/18/2017 5:41:00 PM	9/22/2017 11:42:00 AM	74	60	Customer
283882 381709032-0006	Room 0005	0	9/18/2017 5:41:00 PM	9/22/2017 11:42:00 AM	74	60	Blank
283882 381709032-0006	Room 0005	0	9/18/2017 5:41:00 PM	9/22/2017 11:42:00 AM	74	60	Blank

#### Sample Notes:

---

**EMSL Analytical, Inc.**

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Phone/Fax: (800) 220-3675 / (856) 786-0327

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

EMSL Order: 381709032  
CustomerID: JCBR50  
CustomerPO:  
ProjectID:

Attn: **Ed McGuire**  
**J.C. Broderick & Associates**  
**1775 Expressway Drive North**  
**Hauppauge, NY 11788**

Phone: (631) 584-5492  
Fax:  
Received: 09/25/17 3:35 PM  
Analysis Date: 9/26/2017  
Collected: 9/18/2017

Project: 17-37452 / Central Blvd. ES / 60 Central Blvd.

Test Site: **Central Blvd. ES**  
**60 Central Blvd.**  
**Bethpage, NY 11714**

**Test Report: Radon in Air Test Results****Samples for EMSL Kit 165525**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283908 381709032-0007	Crawl 0003	3.1	9/18/2017 5:44:00 PM	9/22/2017 11:45:00 AM	74	70	Customer
283939 381709032-0008	Crawl 0003	-0.2	9/18/2017 5:44:00 PM	9/22/2017 11:45:00 AM	74	70	Blank

**Sample Notes:****Samples for EMSL Kit 165526**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283937 381709032-0009	Crawl 0002	1.6	9/18/2017 5:48:00 PM	9/22/2017 11:48:00 AM	74	40	Customer
283836 381709032-0010	Crawl 0002	0	9/18/2017 5:48:00 PM	9/22/2017 11:48:00 AM	74	40	Blank

**Sample Notes:****Samples for EMSL Kit 165527**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283895 381709032-0011	Crawl 0002A	3.2	9/18/2017 5:52:00 PM	9/22/2017 11:50:00 AM	74	60	Customer
283810 381709032-0012	Crawl 0002A	-0.1	9/18/2017 5:52:00 PM	9/22/2017 11:50:00 AM	74	60	Blank

**Sample Notes:**

**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](mailto:cinnaminsonradonlab@emsl.com)

EMSL Order: 381709032  
CustomerID: JCBR50  
CustomerPO:  
ProjectID:

Attn: **Ed McGuire**  
**J.C. Broderick & Associates**  
**1775 Expressway Drive North**  
**Hauppauge, NY 11788**

Phone: (631) 584-5492  
Fax:  
Received: 09/25/17 3:35 PM  
Analysis Date: 9/26/2017  
Collected: 9/18/2017

Project: 17-37452 / Central Blvd. ES / 60 Central Blvd.

Test Site: **Central Blvd. ES**  
**60 Central Blvd.**  
**Bethpage, NY 11714**

**Test Report: Radon in Air Test Results****Samples for EMSL Kit 165528**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283805 381709032-0013	Crawl 0002B	2.6	9/18/2017 5:58:00 PM	9/22/2017 11:52:00 AM	76	60	Customer
283813 381709032-0014	Crawl 0002B	0	9/18/2017 5:58:00 PM	9/22/2017 11:52:00 AM	76	60	Blank

**Sample Notes:****Samples for EMSL Kit 165529**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283829 381709032-0015	Hall 0011A	1.4	9/18/2017 6:02:00 PM	9/22/2017 11:54:00 AM	76	60	Customer
283793 381709032-0016	Hall 0011A	-0.2	9/18/2017 6:02:00 PM	9/22/2017 11:54:00 AM	76	60	Blank

**Sample Notes:****Samples for EMSL Kit 165530**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283892 381709032-0017	Crawl 0008	2.3	9/18/2017 6:05:00 PM	9/22/2017 11:56:00 AM	74	60	Customer
283833 381709032-0018	Crawl 0008	-0.2	9/18/2017 6:05:00 PM	9/22/2017 11:56:00 AM	74	60	Blank

**Sample Notes:**



## 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](mailto:cinnaminsonradonlab@emsl.com)

EMSL Order: 381709032  
CustomerID: JCBR50  
CustomerPO:  
ProjectID:

Attn: **Ed McGuire**  
**J.C. Broderick & Associates**  
**1775 Expressway Drive North**  
**Hauppauge, NY 11788**

Phone: (631) 584-5492  
Fax:  
Received: 09/25/17 3:35 PM  
Analysis Date: 9/26/2017  
Collected: 9/18/2017

Project: 17-37452 / Central Blvd. ES / 60 Central Blvd.

Test Site: **Central Blvd. ES**  
**60 Central Blvd.**  
**Bethpage, NY 11714**

### Test Report: Radon in Air Test Results

#### Samples for EMSL Kit 165531

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283850 381709032-0019	Crawl 0009	1.4	9/18/2017 6:07:00 PM	9/22/2017 12:01:00 PM	74	60	Customer
283927 381709032-0020	Crawl 0009	0.1	9/18/2017 6:07:00 PM	9/22/2017 12:01:00 PM	74	60	Blank

#### Sample Notes:

#### Samples for EMSL Kit 165532

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283911 381709032-0021	Crawl 0010	1.7	9/18/2017 6:13:00 PM	9/22/2017 12:05:00 PM	74	70	Customer
283912 381709032-0022	Crawl 0010	-0.1	9/18/2017 6:13:00 PM	9/22/2017 12:05:00 PM	74	70	Blank

#### Sample Notes:

#### Samples for EMSL Kit 165533

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
283959 381709032-0023	Crawl 0010A	1.5	9/18/2017 6:15:00 PM	9/22/2017 12:08:00 PM	74	70	Customer
283894 381709032-0024	Crawl 0010A	-0.1	9/18/2017 6:15:00 PM	9/22/2017 12:08:00 PM	74	70	Blank

#### Sample Notes:

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

**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](mailto:cinnaminsonradonlab@emsl.com)

EMSL Order: 381709032  
CustomerID: JCBR50  
CustomerPO:  
ProjectID:

Attn: **Ed McGuire**  
**J.C. Broderick & Associates**  
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**Hauppauge, NY 11788**

Phone: (631) 584-5492  
Fax:  
Received: 09/25/17 3:35 PM  
Analysis Date: 9/26/2017  
Collected: 9/18/2017

Project: **17-37452 / Central Blvd. ES / 60 Central Blvd.**

Test Site: **Central Blvd. ES**  
**60 Central Blvd.**  
**Bethpage, NY 11714**

## Test Report: Radon in Air Test Results

Analyst(s)

Laura Freeman (24)Laura Freeman Peixue Ma

Laura Freeman, Radon Laboratory Manager &  
Peixue Ma, Ph.D, NJ Radon Measurement Specialist NJ MES  
13502

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder. The test results meets all NELAC requirements unless otherwise specified.

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 #109000AL, KS-LB-0005, IL RNL2008202.

Initial report from 09/29/2017 12:17:04

Please visit [www.radontestinglab.com](http://www.radontestinglab.com)



EMSL ANALYTICAL, INC.

RECEIVED CHAIN OF CUSTODY  
**EMRADON LABORATORY SERVICES**  
 CINNAMINSON, NJ (COMMERCIAL USE)

2017 SEP 25 P 3:35 EMSL Job #: 381709032

EMSL ANALYTICAL, INC.  
 200 ROUTE 130 NORTH  
 CINNAMINSON, NJ 08077  
 PHONE: 800-220-3675  
 FAX: 856-786-0327

**Company Information**

Company Name: J.C. BRODENICK & ASSOC.  
 E SL Account #: JCBR50 5day  
 Contact: ED. MCGUIRE  
 Address: 1775 EXPRESSWAY DR. N.  
 City: HANOVER,  
 State: NY Zip Code: 11563  
 Phone: 631-584-5442  
 Fax: 631-584-3395  
 Email: EMCUIRER@JCBRODENICK.COM

**Project / Property Information:**

Name: CENTRAL BLVD. ES

Address: 60 CENTRAL BLVD.

City: BETHPAGE

Municipality: County:

State: NY Zip Code: 11714

PO#/Project #: 17-37452

 Please check box if this is a Post Mitigation Test

Technician Name: STEVEN MULLEN

Technician Certification #:

Technician Signature:

**Disclaimer**

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages arising out of or in connection with EMSL's services there under or the delivery, use, reliance upon or interpretation of test results by client or third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereafter.

Box Number	Device Number	Location	Exposure Period Beginning Date and Time	Exposure Period Ending Date and Time	Temperature, °F	Humidity, %
16552165522	283936	HALL 0011	9/18/17 5:35p	9/22/17 11:35A	76°F	60%
165522	283898	HALL 0011 BLANK	9/18/17	9/22/17		
165523	283902	Rm 0006	9/18/17 5:37p	9/22/17 11:40A	78°F	50%
165523	283948	Rm 0006 BLANK	9/18/17	9/22/17		
165524	283888	Rm 0005	9/18/17 5:41p	9/22/17 11:42A	74°F	60%
165524	283882	Rm 0005 BLANK	9/18/17	9/22/17		
165525	283908	CRAWL 0003	9/18/17 5:44p	9/22/17 11:45A	74°F	70%
165525	283939	CRAWL 0003 BLANK	9/18/17	9/22/17		
165526	283937	CRAWL 0002	9/18/17 5:48p	9/22/17 11:48A	74°F	40%
165526	283836	CRAWL 0002 BLANK	9/18/17	9/22/17		
165527	283895	CRAWL 0002A	9/18/17 5:52p	9/22/17 11:50A	74°F	60%
165527	283810	CRAWL 0002A BLANK	9/18/17	9/22/17		

Relinquished By:

Received By: 9/25/17



EMSL ANALYTICAL, INC.

**CHAIN OF CUSTODY  
RADON LABORATORY SERVICES  
(COMMERCIAL USE)**

**EMSL ANALYTICAL, INC.**  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077

PHONE: 800-220-3675  
FAX: 856-786-0327

EMSL Job #: 381709032

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RUSK

Relinquished By:

Received By: Jean Miller  
9/25/17

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EMSL Order:	381801570
CustomerID:	JCBR50
CustomerPO:	18-39190
ProjectID:	

Attn: **Steven Muller**  
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**1775 Expressway Drive North, Suite 1**  
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Received: 02/28/18 3:06 PM  
Analysis Date: 3/2/2018  
Collected: 2/20/2018

Project: **18-39190 / Central Boulevard ES**

Test Site: **Central Boulevard ES**  
**60 Central Blvd.**  
**Bethpage, NY 11714**

**Test Report: Radon in Air Test Results****Samples for EMSL Kit 174839**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301840 381801570-0001	Rm 0008	1.4	2/20/2018 9:10:00 AM	2/23/2018 1:45:00 PM	68	40	Customer
301782 381801570-0002	Rm 0008	0.1	2/20/2018 9:10:00 AM	2/23/2018 1:45:00 PM	68	40	Blank

**Sample Notes:**

301782 381801570-0002	Rm 0008	0.1	2/20/2018 9:10:00 AM	2/23/2018 1:45:00 PM	68	40	Blank
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**Sample Notes:****Samples for EMSL Kit 174840**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301866 381801570-0003	Rm 0009	1.6	2/20/2018 9:13:00 AM	2/23/2018 1:42:00 PM	68	40	Customer
301887 381801570-0004	Rm 0009	0.1	2/20/2018 9:13:00 AM	2/23/2018 1:42:00 PM	68	40	Blank

**Sample Notes:****Samples for EMSL Kit 174841**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301906 381801570-0005	Rm 0010	1.5	2/20/2018 9:17:00 AM	2/23/2018 1:43:00 PM	66	60	Customer
301779 381801570-0006	Rm 0010	0.1	2/20/2018 9:17:00 AM	2/23/2018 1:43:00 PM	66	60	Blank
301779 381801570-0006	Rm 0010	0.1	2/20/2018 9:17:00 AM	2/23/2018 1:43:00 PM	66	60	Blank
301779 381801570-0006	Rm 0010	0.1	2/20/2018 9:17:00 AM	2/23/2018 1:43:00 PM	66	60	Blank

**Sample Notes:**



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Project: **18-39190 / Central Boulevard ES**

Test Site: **Central Boulevard ES**  
**60 Central Blvd.**  
**Bethpage, NY 11714**

### Test Report: Radon in Air Test Results

#### Samples for EMSL Kit 174842

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301841 381801570-0007	Rm 0010A	1.4	2/20/2018 9:20:00 AM	2/23/2018 1:40:00 PM	68	30	Customer
302103 381801570-0008	Rm 0010A	0	2/20/2018 9:20:00 AM	2/23/2018 1:40:00 PM	68	30	Blank

#### Sample Notes:

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#### Samples for EMSL Kit 174843

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301919 381801570-0009	Hall 0011A	2.3	2/20/2018 9:23:00 AM	2/23/2018 1:46:00 PM	70	30	Customer
301855 381801570-0010	Hall 0011A	0.1	2/20/2018 9:23:00 AM	2/23/2018 1:46:00 PM	70	30	Blank

#### Sample Notes:

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#### Samples for EMSL Kit 174844

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301821 381801570-0011	Rm 0007	1.3	2/20/2018 9:26:00 AM	2/23/2018 1:39:00 PM	70	30	Customer
301772 381801570-0012	Rm 0007	0.1	2/20/2018 9:26:00 AM	2/23/2018 1:39:00 PM	70	30	Blank

#### Sample Notes:

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Project: **18-39190 / Central Boulevard ES**Test Site: **Central Boulevard ES**  
**60 Central Blvd.**  
**Bethpage, NY 11714****Test Report: Radon in Air Test Results****Samples for EMSL Kit 174845**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301850 381801570-0013	Rm 0005	1.8	2/20/2018 9:30:00 AM	2/23/2018 1:48:00 PM	70	30	Customer
301939 381801570-0014	Rm 0005	0.1	2/20/2018 9:30:00 AM	2/23/2018 1:48:00 PM	70	30	Blank

**Sample Notes:**

301850 381801570-0013	Rm 0005	0.1	2/20/2018 9:30:00 AM	2/23/2018 1:48:00 PM	70	30	Blank
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**Sample Notes:****Samples for EMSL Kit 174846**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301800 381801570-0015	Rm 0006	2.1	2/20/2018 9:32:00 AM	2/23/2018 1:48:00 PM	74	20	Customer
300693 381801570-0016	Rm 0006	0.5	2/20/2018 9:32:00 AM	2/23/2018 1:48:00 PM	74	20	Blank

**Sample Notes:****Samples for EMSL Kit 174847**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301842 381801570-0017	Hall 0011	3.4	2/20/2018 9:34:00 AM	2/23/2018 1:49:00 PM	72	40	Customer
301898 381801570-0018	Hall 0011	0.1	2/20/2018 9:34:00 AM	2/23/2018 1:49:00 PM	72	40	Blank
301898 381801570-0018	Hall 0011	0.1	2/20/2018 9:34:00 AM	2/23/2018 1:49:00 PM	72	40	Blank
301898 381801570-0018	Hall 0011	0.1	2/20/2018 9:34:00 AM	2/23/2018 1:49:00 PM	72	40	Blank

**Sample Notes:**

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**Bethpage, NY 11714****Test Report: Radon in Air Test Results****Samples for EMSL Kit 174848**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
300867 381801570-0019	Rm 0003	5.5	2/20/2018 9:37:00 AM	2/23/2018 1:50:00 PM	70	60	Customer
301899 381801570-0020	Rm 0003	0.3	2/20/2018 9:37:00 AM	2/23/2018 1:50:00 PM	70	60	Blank

**Sample Notes:**

301899 381801570-0020	Rm 0003	0.3	2/20/2018 9:37:00 AM	2/23/2018 1:50:00 PM	70	60	Blank
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**Sample Notes:****Samples for EMSL Kit 174849**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301811 381801570-0021	Rm 0002	3.8	2/20/2018 9:40:00 AM	2/23/2018 1:53:00 PM	74	30	Customer
301907 381801570-0022	Rm 0002	0.1	2/20/2018 9:40:00 AM	2/23/2018 1:53:00 PM	74	30	Blank

**Sample Notes:****Samples for EMSL Kit 174851**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301900 381801570-0023	Rm 0002A	4.9	2/20/2018 9:44:00 AM	2/23/2018 1:52:00 PM	74	50	Customer
301945 381801570-0024	Rm 0002A	0.1	2/20/2018 9:44:00 AM	2/23/2018 1:52:00 PM	74	50	Blank

**Sample Notes:**



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**60 Central Blvd.**  
**Bethpage, NY 11714**

### Test Report: Radon in Air Test Results

#### Samples for EMSL Kit 174852

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
302017 381801570-0025	Rm 0002B	4	2/20/2018 9:46:00 AM	2/23/2018 1:54:00 PM	78	40	Customer
301976 381801570-0026	Rm 0002B	0.1	2/20/2018 9:46:00 AM	2/23/2018 1:54:00 PM	78	40	Blank

#### Sample Notes:

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#### Samples for EMSL Kit 174853

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301846 381801570-0027	Rm 1019	0.3	2/20/2018 9:54:00 AM	2/23/2018 2:24:00 PM	72	30	Customer
301845 381801570-0028	Rm 1019	0.1	2/20/2018 9:54:00 AM	2/23/2018 2:24:00 PM	72	30	Blank

#### Sample Notes:

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#### Samples for EMSL Kit 174854

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301993 381801570-0029	Rm 1051	0.2	2/20/2018 10:00:00 AM	2/23/2018 2:39:00 PM	70	30	Customer
301867 381801570-0030	Rm 1051	0	2/20/2018 10:00:00 AM	2/23/2018 2:39:00 PM	70	30	Blank

#### Sample Notes:

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Project: **18-39190 / Central Boulevard ES**Test Site: **Central Boulevard ES**  
**60 Central Blvd.**  
**Bethpage, NY 11714****Test Report: Radon in Air Test Results****Samples for EMSL Kit 174855**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301860	Rm 1050	0.1	2/20/2018	2/23/2018	72	20	Customer
381801570-0031			10:02:00 AM	2:38:00 PM			

**Sample Notes:**

301895	Rm 1050	0.1	2/20/2018	2/23/2018	72	20	Blank
381801570-0032			10:02:00 AM	2:38:00 PM			

**Sample Notes:****Samples for EMSL Kit 174856**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301917	Rm 1049	0.2	2/20/2018	2/23/2018	68	30	Customer
381801570-0033			10:04:00 AM	2:37:00 PM			

**Sample Notes:**

301890	Rm 1049	0	2/20/2018	2/23/2018	68	30	Blank
381801570-0034			10:04:00 AM	2:37:00 PM			

**Sample Notes:****Samples for EMSL Kit 174857**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301916	Hall 1052	0.3	2/20/2018	2/23/2018	70	30	Customer
381801570-0035			10:06:00 AM	2:40:00 PM			

**Sample Notes:**

301870	Hall 1052	0.1	2/20/2018	2/23/2018	70	30	Blank
381801570-0036			10:06:00 AM	2:40:00 PM			

**Sample Notes:**



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EMSL Order:	381801570
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Project: **18-39190 / Central Boulevard ES**

Test Site: **Central Boulevard ES**  
**60 Central Blvd.**  
**Bethpage, NY 11714**

### Test Report: Radon in Air Test Results

#### Samples for EMSL Kit 174858

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301832	Rm 1045	0.2	2/20/2018 10:09:00 AM	2/23/2018 2:36:00 PM	68	30	Customer
381801570-0037							

#### Sample Notes:

300803	Rm 1045	0.1	2/20/2018 10:09:00 AM	2/23/2018 2:36:00 PM	68	30	Blank
381801570-0038							

#### Sample Notes:

#### Samples for EMSL Kit 174862

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301951	Rm 1044	0.1	2/20/2018 10:12:00 AM	2/23/2018 2:35:00 PM	76	20	Customer
381801570-0039							

#### Sample Notes:

301910	Rm 1044	0	2/20/2018 10:12:00 AM	2/23/2018 2:35:00 PM	76	20	Blank
381801570-0040							

#### Sample Notes:

#### Samples for EMSL Kit 174863

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301852	Rm 1043	0.2	2/20/2018 10:13:00 AM	2/23/2018 2:34:00 PM	74	30	Customer
381801570-0041							

#### Sample Notes:

301921	Rm 1043	0.1	2/20/2018 10:13:00 AM	2/23/2018 2:34:00 PM	74	30	Blank
381801570-0042							

#### Sample Notes:



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### Test Report: Radon in Air Test Results

#### Samples for EMSL Kit 174864

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301957 381801570-0043	Rm 1042	0.3	2/20/2018 10:15:00 AM	2/23/2018 2:41:00 PM	68	30	Customer
301844 381801570-0044	Rm 1042	0	2/20/2018 10:15:00 AM	2/23/2018 2:41:00 PM	68	30	Blank

#### Sample Notes:

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#### Samples for EMSL Kit 174866

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301873 381801570-0045	Rm 1041	0.2	2/20/2018 10:18:00 AM	2/23/2018 2:33:00 PM	70	30	Customer
301837 381801570-0046	Rm 1041	0.1	2/20/2018 10:18:00 AM	2/23/2018 2:33:00 PM	70	30	Blank

#### Sample Notes:

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#### Samples for EMSL Kit 174868

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301862 381801570-0047	Rm 1040	0.1	2/20/2018 10:22:00 AM	2/23/2018 2:42:00 PM	72	30	Customer
301892 381801570-0048	Rm 1040	0.1	2/20/2018 10:22:00 AM	2/23/2018 2:42:00 PM	72	30	Blank

#### Sample Notes:

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**Bethpage, NY 11714****Test Report: Radon in Air Test Results****Samples for EMSL Kit 174819**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301808 381801570-0049	Rm 1039	0	2/20/2018 10:25:00 AM	2/23/2018 2:32:00 PM	66	30	Customer
301936 381801570-0050	Rm 1039	0	2/20/2018 10:25:00 AM	2/23/2018 2:32:00 PM	66	30	Blank

**Sample Notes:**

301936 381801570-0050	Rm 1039	0	2/20/2018 10:25:00 AM	2/23/2018 2:32:00 PM	66	30	Blank
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**Sample Notes:****Samples for EMSL Kit 174820**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301901 381801570-0051	Rm 1038	0	2/20/2018 10:27:00 AM	2/23/2018 2:30:00 PM	68	40	Customer
301816 381801570-0052	Rm 1038	0.1	2/20/2018 10:27:00 AM	2/23/2018 2:30:00 PM	68	40	Blank

**Sample Notes:****Samples for EMSL Kit 174821**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301784 381801570-0053	Rm 1035	0.2	2/20/2018 10:30:00 AM	2/23/2018 2:29:00 PM	68	40	Customer
302111 381801570-0054	Rm 1035	0.1	2/20/2018 10:30:00 AM	2/23/2018 2:29:00 PM	68	40	Blank
302111 381801570-0054	Rm 1035	0.1	2/20/2018 10:30:00 AM	2/23/2018 2:29:00 PM	68	40	Blank
302111 381801570-0054	Rm 1035	0.1	2/20/2018 10:30:00 AM	2/23/2018 2:29:00 PM	68	40	Blank

**Sample Notes:**

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**Bethpage, NY 11714****Test Report: Radon in Air Test Results****Samples for EMSL Kit 174822**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301938	Rm 1033	0.4	2/20/2018 10:32:00 AM	2/23/2018 2:28:00 PM	72	30	Customer
381801570-0055							

**Sample Notes:**

301749	Rm 1033	0.3	2/20/2018 10:32:00 AM	2/23/2018 2:28:00 PM	72	30	Blank
381801570-0056							

**Sample Notes:****Samples for EMSL Kit 174823**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301789	Rm 1032	0.3	2/20/2018 10:35:00 AM	2/23/2018 2:25:00 PM	72	30	Customer
381801570-0057							

**Sample Notes:**

301754	Rm 1032	0.3	2/20/2018 10:35:00 AM	2/23/2018 2:25:00 PM	72	30	Blank
381801570-0058							

**Sample Notes:****Samples for EMSL Kit 174824**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301851	Rm 1032B	0.6	2/20/2018 10:43:00 AM	2/23/2018 2:26:00 PM	70	30	Customer
381801570-0059							

**Sample Notes:**

301847	Rm 1032B	0.1	2/20/2018 10:43:00 AM	2/23/2018 2:26:00 PM	70	30	Blank
381801570-0060							

**Sample Notes:**

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CustomerPO:	18-39190
ProjectID:	

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**60 Central Blvd.**  
**Bethpage, NY 11714****Test Report: Radon in Air Test Results****Samples for EMSL Kit 174825**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
302006 381801570-0061	Rm 1032C	0.4	2/20/2018 10:40:00 AM	2/23/2018 2:27:00 PM	70	30	Customer
301878 381801570-0062	Rm 1032C	0.2	2/20/2018 10:40:00 AM	2/23/2018 2:27:00 PM	70	30	Blank

**Sample Notes:**

301878 381801570-0062	Rm 1032C	0.2	2/20/2018 10:40:00 AM	2/23/2018 2:27:00 PM	70	30	Blank
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**Sample Notes:****Samples for EMSL Kit 174826**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301914 381801570-0063	Rm 1031	0.4	2/20/2018 10:42:00 AM	2/23/2018 2:42:00 PM	70	30	Customer
301787 381801570-0064	Rm 1031	0.2	2/20/2018 10:42:00 AM	2/23/2018 2:42:00 PM	70	30	Blank

**Sample Notes:**

301787 381801570-0064	Rm 1031	0.2	2/20/2018 10:42:00 AM	2/23/2018 2:42:00 PM	70	30	Blank
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**Sample Notes:****Samples for EMSL Kit 174827**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301940 381801570-0065	Rm 1030	0.5	2/20/2018 10:46:00 AM	2/23/2018 2:43:00 PM	72	30	Customer
302030 381801570-0066	Rm 1030	0.1	2/20/2018 10:46:00 AM	2/23/2018 2:43:00 PM	72	30	Blank
302030 381801570-0066	Rm 1030	0.1	2/20/2018 10:46:00 AM	2/23/2018 2:43:00 PM	72	30	Blank

**Sample Notes:**

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Project: **18-39190 / Central Boulevard ES**Test Site: **Central Boulevard ES**  
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**Bethpage, NY 11714****Test Report: Radon in Air Test Results****Samples for EMSL Kit 174828**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301843	Rm 1030A	0.4	2/20/2018 10:50:00 AM	2/23/2018 2:44:00 PM	68	30	Customer
381801570-0067							

**Sample Notes:**

301783	Rm 1030A	0.1	2/20/2018 10:50:00 AM	2/23/2018 2:44:00 PM	68	30	Blank
381801570-0068							

**Sample Notes:****Samples for EMSL Kit 174829**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301751	Rm 1031A	0.4	2/20/2018 10:54:00 AM	2/23/2018 2:45:00 PM	72	30	Customer
381801570-0069							

**Sample Notes:**

301962	Rm 1031A	0.2	2/20/2018 10:54:00 AM	2/23/2018 2:45:00 PM	72	30	Blank
381801570-0070							

**Sample Notes:****Samples for EMSL Kit 174830**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301805	Rm 1030E1	0.5	2/20/2018 11:00:00 AM	2/23/2018 2:48:00 PM	72	30	Customer
381801570-0071							

**Sample Notes:**

301943	Rm 1030E1	0.1	2/20/2018 11:00:00 AM	2/23/2018 2:48:00 PM	72	30	Blank
381801570-0072							

**Sample Notes:**



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### Test Report: Radon in Air Test Results

#### Samples for EMSL Kit 174831

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
302005 381801570-0073	Rm 1026	0.2	2/20/2018 11:03:00 AM	2/23/2018 2:49:00 PM	70	40	Customer
301857 381801570-0074	Rm 1026	0	2/20/2018 11:03:00 AM	2/23/2018 2:49:00 PM	70	40	Blank

#### Sample Notes:

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#### Samples for EMSL Kit 174832

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301991 381801570-0075	Rm 1027	0.2	2/20/2018 11:05:00 AM	2/23/2018 2:49:00 PM	66	40	Customer
302027 381801570-0076	Rm 1027	0	2/20/2018 11:05:00 AM	2/23/2018 2:49:00 PM	66	40	Blank

#### Sample Notes:

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#### Samples for EMSL Kit 174833

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301935 381801570-0077	Rm 1028A	4.1	2/20/2018 11:12:00 AM	2/23/2018 2:50:00 PM	70	30	Customer
301756 381801570-0078	Rm 1028A	1.9	2/20/2018 11:12:00 AM	2/23/2018 2:50:00 PM	70	30	Blank

#### Sample Notes:

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### Test Report: Radon in Air Test Results

#### Samples for EMSL Kit 174834

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
300648 381801570-0079	Rm 1022	2.6	2/20/2018 11:16:00 AM	2/23/2018 2:53:00 PM	72	30	Customer
301868 381801570-0080	Rm 1022	1.9	2/20/2018 11:16:00 AM	2/23/2018 2:53:00 PM	72	30	Blank

#### Sample Notes:

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#### Samples for EMSL Kit 174835

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301904 381801570-0081	Rm 1022A	3	2/20/2018 11:18:00 AM	2/23/2018 2:51:00 PM	72	30	Customer
301830 381801570-0082	Rm 1022A	2	2/20/2018 11:18:00 AM	2/23/2018 2:51:00 PM	72	30	Blank

#### Sample Notes:

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#### Samples for EMSL Kit 174836

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301918 381801570-0083	Hall 1046	1.7	2/20/2018 11:22:00 AM	2/23/2018 2:28:00 PM	72	30	Customer
301835 381801570-0084	Hall 1046	0.2	2/20/2018 11:22:00 AM	2/23/2018 2:28:00 PM	72	30	Blank

#### Sample Notes:

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**Bethpage, NY 11714****Test Report: Radon in Air Test Results****Samples for EMSL Kit 174837**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301971 381801570-0085	Rm 1000	0.3	2/20/2018 11:26:00 AM	2/23/2018 2:21:00 PM	68	30	Customer
301937 381801570-0086	Rm 1000	0	2/20/2018 11:26:00 AM	2/23/2018 2:21:00 PM	68	30	Blank

**Sample Notes:**

301937 381801570-0086	Rm 1000	0	2/20/2018 11:26:00 AM	2/23/2018 2:21:00 PM	68	30	Blank
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**Sample Notes:****Samples for EMSL Kit 174838**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
301973 381801570-0087	Rm 1002	0.1	2/20/2018 11:30:00 AM	2/23/2018 2:20:00 PM	70	30	Customer
302114 381801570-0088	Rm 1002	0.2	2/20/2018 11:30:00 AM	2/23/2018 2:20:00 PM	70	30	Blank

**Sample Notes:****Samples for EMSL Kit 181239**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
315069 381801570-0089	Rm 1003	0.3	2/20/2018 11:34:00 AM	2/23/2018 2:19:00 PM	72	30	Customer
315083 381801570-0090	Rm 1003	0	2/20/2018 11:34:00 AM	2/23/2018 2:19:00 PM	72	30	Blank
315083 381801570-0090	Rm 1003	0	2/20/2018 11:34:00 AM	2/23/2018 2:19:00 PM	72	30	Blank
315083 381801570-0090	Rm 1003	0	2/20/2018 11:34:00 AM	2/23/2018 2:19:00 PM	72	30	Blank

**Sample Notes:**

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**Bethpage, NY 11714****Test Report: Radon in Air Test Results****Samples for EMSL Kit 181240**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
314282 381801570-0091	Rm 1004	0.3	2/20/2018 11:36:00 AM	2/23/2018 2:12:00 PM	66	30	Customer
314302 381801570-0092	Rm 1004	0.2	2/20/2018 11:36:00 AM	2/23/2018 2:12:00 PM	66	30	Blank

**Sample Notes:**

314302 381801570-0092	Rm 1004	0.2	2/20/2018 11:36:00 AM	2/23/2018 2:12:00 PM	66	30	Blank
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**Sample Notes:****Samples for EMSL Kit 181241**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
314358 381801570-0093	Rm 1005	0.2	2/20/2018 11:38:00 AM	2/23/2018 2:16:00 PM	72	30	Customer
314284 381801570-0094	Rm 1005	0.2	2/20/2018 11:38:00 AM	2/23/2018 2:16:00 PM	72	30	Blank

**Sample Notes:****Samples for EMSL Kit 181242**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
314317 381801570-0095	Rm 1006	0.3	2/20/2018 11:45:00 AM	2/23/2018 2:14:00 PM	72	30	Customer
314262 381801570-0096	Rm 1006	0.1	2/20/2018 11:45:00 AM	2/23/2018 2:14:00 PM	72	30	Blank
314262 381801570-0096	Rm 1006	0.1	2/20/2018 11:45:00 AM	2/23/2018 2:14:00 PM	72	30	Blank
314262 381801570-0096	Rm 1006	0.1	2/20/2018 11:45:00 AM	2/23/2018 2:14:00 PM	72	30	Blank

**Sample Notes:**



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### Test Report: Radon in Air Test Results

#### Samples for EMSL Kit 181243

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
314370 381801570-0097	Rm 1007	0.2	2/20/2018 11:48:00 AM	2/23/2018 2:06:00 PM	72	30	Customer
314328 381801570-0098	Rm 1007	0.2	2/20/2018 11:48:00 AM	2/23/2018 2:06:00 PM	72	30	Blank

#### Sample Notes:

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#### Samples for EMSL Kit 181244

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
314276 381801570-0099	Rm 1011	0.4	2/20/2018 11:49:00 AM	2/23/2018 2:13:00 PM	70	30	Customer
314290 381801570-0100	Rm 1011	0.2	2/20/2018 11:49:00 AM	2/23/2018 2:13:00 PM	70	30	Blank

#### Sample Notes:

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#### Samples for EMSL Kit 181245

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
315057 381801570-0101	Rm 1012	0.2	2/20/2018 11:52:00 AM	2/23/2018 2:08:00 PM	72	30	Customer
315041 381801570-0102	Rm 1012	0.1	2/20/2018 11:52:00 AM	2/23/2018 2:08:00 PM	72	30	Blank

#### Sample Notes:

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### Test Report: Radon in Air Test Results

#### Samples for EMSL Kit 181246

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
315048	Rm 1013	0.2	2/20/2018 11:53:00 AM	2/23/2018 2:09:00 PM	70	30	Customer
381801570-0103							

#### Sample Notes:

315045	Rm 1013	0.2	2/20/2018 11:53:00 AM	2/23/2018 2:09:00 PM	70	30	Blank
381801570-0104							

#### Sample Notes:

#### Samples for EMSL Kit 181247

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
315074	Rm 1014	0.4	2/20/2018 11:55:00 AM	2/23/2018 2:10:00 PM	70	30	Customer
381801570-0105							

#### Sample Notes:

315113	Rm 1014	0.1	2/20/2018 11:55:00 AM	2/23/2018 2:10:00 PM	70	30	Blank
381801570-0106							

#### Sample Notes:

#### Samples for EMSL Kit 181248

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
315056	Rm 1016	0.2	2/20/2018 11:58:00 AM	2/23/2018 2:11:00 PM	72	30	Customer
381801570-0107							

#### Sample Notes:

315102	Rm 1016	0.2	2/20/2018 11:58:00 AM	2/23/2018 2:11:00 PM	72	30	Blank
381801570-0108							

#### Sample Notes:

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**Bethpage, NY 11714****Test Report: Radon in Air Test Results****Samples for EMSL Kit 181249**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
315079	Rm 1017	0.2	2/20/2018 12:00:00 PM	2/23/2018 2:12:00 PM	70	30	Customer
381801570-0109							

**Sample Notes:**

315114	Rm 1017	0.2	2/20/2018 12:00:00 PM	2/23/2018 2:12:00 PM	70	30	Blank
381801570-0110							

**Sample Notes:****Samples for EMSL Kit 181250**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
314268	Hall 1015	0.3	2/20/2018 12:03:00 PM	2/23/2018 2:18:00 PM	72	30	Customer
381801570-0111							

**Sample Notes:**

314364	Hall 1015	0.3	2/20/2018 12:03:00 PM	2/23/2018 2:18:00 PM	72	30	Blank
381801570-0112							

**Sample Notes:****Samples for EMSL Kit 181251**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
314400	Rm 1024	0.5	2/20/2018 12:07:00 PM	2/23/2018 2:03:00 PM	74	20	Customer
381801570-0113							

**Sample Notes:**

314286	Rm 1024	0	2/20/2018 12:07:00 PM	2/23/2018 2:03:00 PM	74	20	Blank
381801570-0114							

**Sample Notes:**

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**Test Report: Radon in Air Test Results****Samples for EMSL Kit 181252**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
314423	Rm 1023	1.2	2/20/2018 12:12:00 PM	2/23/2018 2:02:00 PM	76	20	Customer
381801570-0115							

**Sample Notes:**

314337	Rm 1023	0.2	2/20/2018 12:12:00 PM	2/23/2018 2:02:00 PM	76	20	Blank
381801570-0116							

**Sample Notes:****Samples for EMSL Kit 181253**

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
314263	Basement Stairs	2	2/20/2018 12:14:00 PM	2/23/2018 2:04:00 PM	74	20	Customer
381801570-0117							

**Sample Notes:**

314349	Basement Stairs	0.2	2/20/2018 12:14:00 PM	2/23/2018 2:04:00 PM	74	20	Blank
381801570-0118							

**Sample Notes:**

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**

**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](mailto:cinnaminsonradonlab@emsl.com)

EMSL Order: 381801570  
CustomerID: JCBR50  
CustomerPO: 18-39190  
ProjectID:

Attn: **Steven Muller**  
**J.C. Broderick & Associates**  
**1775 Expressway Drive North, Suite 1**  
**Hauppauge, NY 11788**

Phone: (631) 584-5492  
Fax:  
Received: 02/28/18 3:06 PM  
Analysis Date: 3/2/2018  
Collected: 2/20/2018

Project: **18-39190 / Central Boulevard ES**

Test Site: **Central Boulevard ES**  
**60 Central Blvd.**  
**Bethpage, NY 11714**

## Test Report: Radon in Air Test Results

Analyst(s)

Laura Freeman (76)  
Racquel Hafiz (42)

Laura Freeman, Radon Laboratory Manager &  
Peixue Ma, Ph.D, NJ Radon Measurement Specialist NJ MES  
13502

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder. The test results meets all NELAC requirements unless otherwise specified.

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 #109000AL, KS-LB-0005, IL RNL2008202.

Initial report from 03/09/2018 12:39:00

Please visit [www.radontestinglab.com](http://www.radontestinglab.com)



EMSL ANALYTICAL, INC.

**CHAIN OF CUSTODY  
RADON LABORATORY SERVICES  
(COMMERCIAL USE)**

EMSL Job #:

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077

PHONE: 800-220-3675  
FAX: 856-786-0327

**Company Information**Company Name: JCBRODENICK

EMSL Account #: \_\_\_\_\_

Contact: STEVEN MULLERAddress: 1775 EXPRESSWAY DR. NCity: HANOVERState: NY Zip Code: 11785Phone: 631-584-5492Fax: 631-584-3395Email: Smuller@JCBrodenick.com**Project / Property Information:**Name: CENTRAL BOOKLEADS ESAddress: 60 CENTRAL BLVDCity: BETHPAGEMunicipality: \_\_\_\_\_ County: NASSAUState: N.Y. Zip Code: 11714PO#/Project#: 18-39190 Please check box if this is a Post Mitigation TestTechnician Name: STEVEN MULLER

Technician Certification #:

Technician Signature: Steven Muller**Disclaimer**

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages arising out of or in connection with EMSL's services there under or the delivery, use, reliance upon or interpretation of test results by client or third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereafter.

Box Number	Device Number	Location	Exposure Period Beginning Date and Time	Exposure Period Ending Date and Time	Temperature, °F	Humidity, %
174839	301840	Rm 0008	2/20/18 0910	2/23/18 1345	68	40
	301782	Rm 0008 BLANK				
174840	301866	Rm 0009	2/20/18 0913	2/23/18 1342	68	40
	301887	Rm 0009 BLANK				
174841	301906	Rm 0010	2/20/18 0917	2/23/18 1343	66	60
	301779	Rm 0010 BLANK				
	301841	Rm 0010A	2/20/18 0920	2/23/18 1340	68	30
174842	302103	Rm 0010A BLANK				
174843	301919	HALL 0011A	2/20/18 0923	2/23/18 1346	70	30
	301855	HALL 0011A BLANK				
174844	301821	Rm 0007	2/20/18 0926	2/23/18 1339	70	30
	301772	Rm 0007 BLANK				

Relinquished By:

Received By:



CHAIN OF CUSTODY  
RADON LABORATORY SERVICES  
(COMMERCIAL USE)

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077

PHONE: 800-220-3675  
FAX: 856-786-0327

EMSL Job #:

Box Number	Device Number	Location	Exposure Period Beginning Date and Time	Exposure Period Ending Date and Time	Temperature, °F	Humidity, %
174845	301850	Rm 0005	2/20/18 0930	2/23/18 1348	70	30
	301939	Rm 0005 BLANK				
174846	301800	Rm 0006	2/20/18 0932	2/23/18 1348	74	20
	300693	Rm 0006 BLANK				
174847	301842	HALL011	2/20/18 0934	2/23/18 1349	72	40
	301898	HALL011 BLANK				
174848	300861	Rm 0003	2/20/18 0937	2/23/18 1350	70	60
	301899	Rm 0003 BLANK				
174849	301811	Rm 0002	2/20/18 0940	2/23/18 1353	74	30
	301907	Rm 0002 BLANK				
174851	301930	Rm 0002A	2/22/18 0944	2/23/18 1352	74	50
	301945	Rm 0002A BLANK				
174852	302017	Rm 0002B	2/22/18 0946	2/23/18 1354	78	40
	301976	Rm 0002B BLANK				
174853	301844	Rm 1019	2/22/18 0954	2/23/18 1444	72	30
	301845	Rm 1019 BLANK				
174854	301993	Rm 1051	2/22/18 10:00	2/23/18 1439	70	30
	301867	Rm 1051 BLANK				
174855	301860	Rm 1050	2/22/18 10:02	2/23/18 1438	72	20
	301895	Rm 1050 BLANK				
174856	301917	Rm 1049	2/22/18 10:04	2/23/18 1437	68	30
	301890	Rm 1049 BLANK				
174857	301916	HALL1052	2/22/18 10:06	2/23/18 1440	70	30
	301870	HALL1052 BLANK				
174858	301832	Rm 1045	2/22/18 10:09	2/23/18 1436	68	30
	300803	Rm 1045 BLANK				

Relinquished By:

Received By:



EMSL ANALYTICAL, INC.

**CHAIN OF CUSTODY  
RADON LABORATORY SERVICES  
(COMMERCIAL USE)**

EMSL Job #:

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077

PHONE: 800-220-3675  
FAX: 856-786-0327

**Company Information**Company Name: JCB

EMSL Account #:

Contact: STEVEN Mullen

Address:

City:

State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: Smullen@JCBREDWICK.com**Project / Property Information:**Name: CENTRAL BLVD

Address: \_\_\_\_\_

City: \_\_\_\_\_

Municipality: \_\_\_\_\_ County: \_\_\_\_\_

State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

PO#/Project #: iB - 39190 Please check box if this is a Post Mitigation TestTechnician Name: Steven Mullen

Technician Certification #:

Technician Signature: Steven Mullen**Disclaimer**

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages arising out of or in connection with EMSL's services there under or the delivery, use, reliance upon or interpretation of test results by client or third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereafter.

Box Number	Device Number	Location	Exposure Period Beginning Date and Time	Exposure Period Ending Date and Time	Temperature, °F	Humidity, %
174862	301951	Rm 1044	2/20/18 10:12	2/23/18 1435	76	20
	301910	Rm 1044 BLANK				
174863	301852	Rm 1043	2/20/18 10:13	2/23/18 1434	74	34
	301921	Rm 1043 BLANK				
174864	301957	Rm 1042	2/20/18 10:15	2/23/18 1441	68	34
	301844	Rm 1042 BLANK				
174866	301873	Rm 1041	2/20/18 10:18	2/23/18 1433	70	30
	301837	Rm 1041 BLANK				
174868	301862	Rm 1040	2/20/18 1022	2/23/18 1442	72	30
	301892	Rm 1040 BLANK				
174819	301808	Rm 1039	2/20/18 1025	2/23/18 1432	66	30
	301936	Rm 1039 BLANK				

Relinquished By:

Received By:



CHAIN OF CUSTODY  
RADON LABORATORY SERVICES  
(COMMERCIAL USE)

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077

PHONE: 800-220-3675  
FAX: 856-786-0327

EMSL Job #:

Box Number	Device Number	Location	Exposure Period Beginning Date and Time	Exposure Period Ending Date and Time	Temperature, °F	Humidity, %
174820	301901	Rm1038	2/20/18 1027	2/23/18 1430	68	40
	301816	Rm1038 BLANK				
174821	301784	Rm1035	2/20/18 1030	2/23/18 1429	68	40
	301211	Rm1035 BLANK				
174822	301938	Rm1033	2/20/18 1032	2/23/18 1428	72	30
	301749	Rm1033 BLANK				
174823	301789	Rm1032	2/20/18 1035	2/23/18 1425	72	30
	301754	Rm1032 BLANK				
174824	301851	Rm1032B	2/20/18 1043	2/23/18 1426	70	30
	301847	Rm1032B BLANK				
174825	302004	Rm1032C	2/20/18 1040	2/23/18 1427	70	30
	301878	Rm1032C BLANK				
174826	301914	Rm1031	2/20/18 1042	2/23/18 1442	70	30
	301787	Rm1031 BLANK				
174827	301940	Rm1030	2/20/18 1046	2/23/18 1443	72	30
	302030	Rm1030 BLANK				
174828	301843	Rm1030A	2/20/18 1050	2/23/18 1444	68	30
	301783	Rm1030A BLANK				
174829	301751	Rm1031A	2/20/18 1054	2/23/18 1445	72	30
	301962	Rm1031A BLANK				
174830	301805	Rm1030E1	2/20/18 1100	2/23/18 1448	72	30
	301943	Rm1030E1 BLANK				
174831	302005	Rm1028	2/20/18 1103	2/23/18 1449	70	40
	301857	Rm1028 BLANK				
174832	301991	Rm1027	2/20/18 1105	2/23/18 1449	66	40
	302027	Rm1027 BLANK				

Relinquished By:

Received By:



EMSL ANALYTICAL, INC.

**CHAIN OF CUSTODY**  
**RADON LABORATORY SERVICES**  
**(COMMERCIAL USE)**

EMSL Job #:

EMSL ANALYTICAL, INC.  
 200 ROUTE 130 NORTH  
 CINNAMINSON, NJ 08077

PHONE: 800-220-3675  
 FAX: 856-786-0327

**Company Information**

Company Name: JCB  
 EMSL Account #: \_\_\_\_\_  
 Contact: STEVEN MULLEN  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_  
 State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 Email: smullen.jcb@verizon.com

**Project / Property Information:**

Name: CENTRAL BLVD.  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_  
 Municipality: \_\_\_\_\_ County: \_\_\_\_\_  
 State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 PO#/Project#: 18-39190  
 Please check box if this is a Post Mitigation Test  
 Technician Name: Steven Mullen  
 Technician Certification #: \_\_\_\_\_  
 Technician Signature: Stev Mullen

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages arising out of or in connection with EMSL's services there under or the results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereafter.

**Disclaimer**

Box Number	Device Number	Location	Exposure Period Beginning Date and Time	Exposure Period Ending Date and Time	Temperature, °F	Humidity, %
174833	301935	Rm 1028A	2/20/18 1112	2/23/18 1450	70	30
	301756	Rm 1028A BLANK				
174834	300648	Rm 1022	2/20/18 1116	2/23/18 1453	72	30
	301868	Rm 1022 BLANK				
174835	301904	Rm 1022A	2/20/18 1118	2/23/18 1451	72	30
	301836	Rm 1022A BLANK				
174836	301918	HALL 1046	2/20/18 1122	2/23/18 1428	72	30
	301835	HALL 1046 BLANK				
174837	301971	Rm 1000	2/20/18 1126	2/23/18 1421	68	30
	301937	Rm 1000 BLANK				
174838	301973	Rm 1002	2/20/18 1130	2/23/18 1420	70	30
	302114	Rm 1002 BLANK				

Relinquished By:

Received By:



CHAIN OF CUSTODY  
RADON LABORATORY SERVICES  
(COMMERCIAL USE)

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077

PHONE: 800-220-3675  
FAX: 856-786-0327

EMSL Job #:

Box Number	Device Number	Location	Exposure Period Beginning Date and Time	Exposure Period Ending Date and Time	Temperature, °F	Humidity, %
181239	315069	Rm 1003	2/20/18 1139	2/23/18 1419	72	30
	315083	Rm 1003 BLANK				
181240	314282	Rm 1004	2/20/18 1136	2/23/18 1417	66	30
	314302	Rm 1004 BLANK				
181241	314358	Rm 1005	2/20/18 1138	2/23/18 1414	72	30
	314284	Rm 1005 BLANK				
181242	314317	Rm 1004	2/20/18 1145	2/23/18 1414	72	30
	314262	Rm 1006 BLANK				
181243	314370	Rm 1007	2/20/18 1148	2/23/18 1406	72	30
	314328	Rm 1007 BLANK				
181244	314276	Rm 1011	2/20/18 1149	2/23/18 1413	70	30
	314290	Rm 1011 BLANK				
181245	315057	Rm 1012	2/20/18 1152	2/23/18 1408	72	30
	315041	Rm 1012 BLANK				
181246	315048	Rm 1013	2/20/18 1153	2/23/18 1409	70	30
	315045	Rm 1013 BLANK				
181247	315074	Rm 1014	2/20/18 1155	2/23/18 1410	70	30
	315113	Rm 1014 BLANK				
181248	315056	Rm 1016	2/20/18 1158	2/23/18 1411	72	30
	315102	Rm 1016 BLANK				
181249	315079	Rm 1017	2/20/18 1200	2/23/18 1412	70	30
	315114	Rm 1017 BLANK				
181250	314268	HALL 1015	2/20/18 1203	2/23/18 1418	72	30
	314364	HALL 1015 BLANK				
181251	314400	Rm 1024	2/20/18 1207	2/23/1403	74	20
	314286	Rm 1024 BLANK				

Relinquished By:

Received By:





## 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](mailto:cinnaminsonradonlab@emsl.com)

EMSL Order:	381803033
CustomerID:	JCBR50
CustomerPO:	
ProjectID:	

Attn: **Ed McGuire**  
**J.C. Broderick & Associates**  
**1775 Expressway Drive North**  
**Hauppauge, NY 11788**

Phone: (631) 584-5492  
Fax:  
Received: 04/09/18 12:09 PM  
Analysis Date: 4/10/2018  
Collected: 4/2/2018

Project: **Central Blvd. ES / 60 Central Blvd.**

Test Site: **Central Blvd. ES**  
**60 Central Blvd.**  
**Bethpage, NY 11714**

### Test Report: Radon in Air Test Results

#### Samples for EMSL Kit 181254

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
314371	RM1028A	0.6	4/2/2018 2:41:00 PM	4/6/2018 10:52:00 AM	72	30	Customer
381803033-0001							

#### Sample Notes:

314387	RM1028A Blank	0.05	4/2/2018 2:41:00 PM	4/6/2018 10:52:00 AM	72	30	Customer
381803033-0002							

#### Sample Notes:

<b>Summary for EMSL Kit 181254</b>	<b>Average Radon Result:</b>	<b>0.3 pCi/L</b>
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#### Samples for EMSL Kit 181225

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
315073	Crawl 0002	3.8	4/2/2018 2:47:00 PM	4/6/2018 10:55:00 AM	72	30	Customer
381803033-0003							

#### Sample Notes:

315121	Crawl 0002 Blank	0.1	4/2/2018 2:47:00 PM	4/6/2018 10:55:00 AM	72	30	Customer
381803033-0004							

#### Sample Notes:

<b>Summary for EMSL Kit 181225</b>	<b>Average Radon Result:</b>	<b>1.9 pCi/L</b>
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#### Samples for EMSL Kit 181256

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
315060	Crawl 0002A	3.6	4/2/2018 2:49:00 PM	4/6/2018 10:57:00 AM	74	30	Customer
381803033-0005							
<b>Sample Notes:</b>							
315017	Crawl 0002A Blank	0.05	4/2/2018 2:49:00 PM	4/6/2018 10:57:00 AM	74	30	Customer
381803033-0006							

#### Sample Notes:

<b>Summary for EMSL Kit 181256</b>	<b>Average Radon Result:</b>	<b>1.8 pCi/L</b>
------------------------------------	------------------------------	------------------



## 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](mailto:cinnaminsonradonlab@emsl.com)

EMSL Order:	381803033
CustomerID:	JCBR50
CustomerPO:	
ProjectID:	

Attn: **Ed McGuire**  
**J.C. Broderick & Associates**  
**1775 Expressway Drive North**  
**Hauppauge, NY 11788**

Phone: (631) 584-5492  
Fax:  
Received: 04/09/18 12:09 PM  
Analysis Date: 4/10/2018  
Collected: 4/2/2018

Project: **Central Blvd. ES / 60 Central Blvd.**

Test Site: **Central Blvd. ES**  
**60 Central Blvd.**  
**Bethpage, NY 11714**

### Test Report: Radon in Air Test Results

#### Samples for EMSL Kit 181257

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
315093	Crawl 0002B	4	4/2/2018 2:53:00 PM	4/6/2018 10:59:00 AM	74	50	Customer
381803033-0007							
<b>Sample Notes:</b>							
315053	Crawl 0002B Blank	0.2	4/2/2018 2:53:00 PM	4/6/2018 10:59:00 AM	74	50	Customer
381803033-0008							
<b>Sample Notes:</b>							
<b>Summary for EMSL Kit 181257</b>		<b>Average Radon Result: 2.1 pCi/L</b>					

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

Analyst(s)

Racquel Hafiz (8)

*Laura Freeman Peixue Ma*

Laura Freeman, Radon Laboratory Manager &  
Peixue Ma, Ph.D, NJ Radon Measurement Specialist NJ MES  
13502

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder. The test results meets all NELAC requirements unless otherwise specified.

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 #109000AL, KS-LB-0005, IL RNL2008202.

Initial report from 04/16/2018 08:33:12

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