KELSAY Environmental Consulting

June 22, 2020

Mr. Kevin Strong Business Manager Sweet Home School District Office 1920 Long Street Sweet Home, Oregon 97386

RE: Long-Term Radon Sampling at Sweet Home High School (DRAFT)

Kelsay Environmental performed a long-term radon survey at Sweet Home High School located at 1641 Long St., Sweet Home, Oregon. Sampling began on November 18, 2019 as a screening for potential Radon concerns in compliance with Oregon Revised Statute (ORS) 332.116-167. *Long-term sampling* is defined by a minimum of 90 days which helps account for normal fluctuations in building conditions over time.

Under ORS 332.166-167, radon testing in Oregon Schools must be performed by January 1st, 2021. The sampling protocol was derived from a document produced by the Oregon Health Authority called "Testing for Elevated Radon in Oregon Schools, A Protocol and Plan". The screening was performed to determine if radon levels in the building were above the Environmental Protection Agency's (EPA) action level of 4.0 pCi/L (picocuries per liter). If levels exceed the action level, a remediation process must be enacted to mitigate exposure levels. This survey would be the basis of that remediation plan.

Testing locations included every occupied room on the first floor of the structure. According to ORS 332.166-167, it specifies that "at a minimum, any frequently-occupied room in contact with the ground or located above a basement or crawlspace" should be tested.

Sampling Procedures

Kelsay Environmental conducted sampling for radon gas in all occupied rooms that were bordered by ground or soil. Sweet Home High School consists of a concrete foundation. Samples were collected using Alpha Track AT-100 diffusion-based track radon monitors from Accustar Labs. A total of 124 rooms were tested (see attached table for locations). In addition, 13 duplicates, 5 blanks and 5 spikes were submitted to the lab to ensure quality control. A total of 165 detectors kits were used. The original sample placed in the Boy's Locker room was lost. The duplicate will be used as the original.

Radon detectors were placed in each occupied space, particularly within the height of the normal breathing zone (between 2 and 6 feet in height) on November 18, 2019. The conditions of the building were such that the HVAC system was operating under normal occupancy conditions and the building was occupied as usual on a day-to-day basis. Samples were retrieved on March 26, 2020, providing for 129 total days of sampling, and then submitted to the Accustar Laboratory

June 22, 2020 Mr. Kevin Strong Long-Term Radon Sampling at Sweet Home High School

for analysis, a NELAP accredited lab, using electrochemical etching to process it's alpha track foils which are subsequently counted with computer-aided image analysis equipment.

Samples to be spiked for quality control are sent to the Bowser-Morner Radon Reference Laboratory. Samples are exposed to specific concentrations of radon in a radon reference chamber and are then submitted to the Accustar Labs for analysis. The results are compared to the known spike concentration to ensure quality control.

Results and Discussion

Radon gas is generally always present in varying quantities, inside and outside of buildings. According to the EPA, radon gas averages 1.3 pCi/L inside buildings across the country, with 0.4 pCi/L generally considered background level. The background level is also the analytical level of detection for AccuStar Labs, levels below which cannot be accurately measured.

Laboratory results indicate all measured radon gas concentrations were below the action level of 4.0 pCi/L.

Spiked samples were within acceptable parameters for quality assurance based on the Relative Percentage Error (RPE). 6.1 pCi/L is the analytical result for the spikes from Bowser-Morner.

((Measured Value – Reference Value)/Reference Value) X 100%

Duplicate and blank samples were as well within acceptable parameters based on the Relative Percent Difference:

((Initial Result – Duplicate Result)/Average of Both Results) X 100%

Sample No.	Sample Variety	Location	Results (pCi/L)	Relative Percentage Error/Difference	Acceptance
4327095	Spike	NA	6.2	1.63%	Yes
4326970	Spike	NA	5.8	-6.50%	Yes
4327059	Spike	NA	6.0	-1.63%	Yes
4327060	Spike	NA	5.8	-4.9%	Yes
4327092	Spike	NA	5.8	-4.9%	Yes
4319523/ 4319569	Duplicate/Original	Break Room	0.5 – 0.6	18.18%	Yes
4319524/ 4319514	Duplicate/Original	Husky Den	0.6 - 0.6	0%	Yes

TABLE 1 SPIKE/DUPLICATE/BLANK SAMPLE RESULTS SWEET HOME HIGH SCHOOL

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TABLE 1 SPIKE/DUPLICATE/BLANK SAMPLE RESULTS SWEET HOME HIGH SCHOOL

Sample	Sample Variety	Location	Results	Relative Percentage	Acceptance
No.			(pCi/L)	Error/Difference	
4319508/	Duplicate/Original	Swim Office Lobby	0.6 - 0.7	15.38%	Yes
4319300					
4319314/	Duplicate/Original	Library Office	0.8 – 0.8	0%	Yes
4319315					
4327132/	Duplicate/Original	Auto Shop	0.4 – 0.5	22.22%	Yes
4319420					
4327133/	Duplicate/Original	Room D1 Lab	<0.4 - <0.4	0%	Yes
4327103					
4327004/	Duplicate/Original	GED Study Room	<0.4 - <0.4	0%	Yes
4327106					
4327150/	Duplicate/Original	Bldg A. Publishing	1.8 - 1.8	0%	Yes
4327115		Offices 2			
4327098/	Duplicate/Original	Room A18	0.9 – 0.6	-40%	No
4327111					
4327112/	Duplicate/Original	Room A19	0.7 – 0.5	-33.33%	No
4327067					
4327069/	Duplicate/Original	Bldg A. Room A20	1.1 - 1.0	-9.52%	Yes
4327114					
4327056/	Duplicate/Original	Room B7	0.8 – 0.9	11.76%	Yes
4327071					
4327014/	Duplicate/Original	Room B3 Office	1.4 – 1.2	-15.38%	Yes
4327057					
4327089	Blank				TBD
4327088	Blank				TBD
4327087	Blank				TBD
4326950	Blank				TBD
4327000	Blank				TBD

*Blanks should be close to 0.00 pCi/L or near the laboratory analytical level of detection

*A trend in RPE values over +/-30 pCi/L should be investigated

*RPD values of >27% should be questioned for results over 4.0 pCi/L

*RPD values of >49% should be questioned for results between 2.0-3.9 pCi/L

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Recommendations

Radon levels throughout the structure were all below the EPA Action Level of 4.0 pCi/L and therefore remediation procedures are not required now. Oregon Health Authority (ORS 332.166-167) requires schools to re-test for radon every 10 years regardless of initial testing results or whether mitigation was done.

Sincerely,

Lisa Janik

Lisa Janik Industrial Hygienist

Attachments: Long-Term Radon Sampling Table Lab Results/Chain of Custody Exposure in Bowser-Morner Radon Chamber

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DEVICE NUMBER	START DATE	STOP DATE	Total Days	LOCATION	RADON pCi/L
4319447	11/18/2019	3/26/2020	130	Main Office	<0.4
4319525	11/18/2019	3/26/2020	130	Principal's Office	0.5
4319448	11/18/2019	3/26/2020	130	Hiaascn's Office	<0.4
4319570	11/18/2019	3/26/2020	130	Police Officer Office	0.4
4319450	11/18/2019	3/26/2020	130	Conference Room	0.4
4319449	11/18/2019	3/26/2020	130	Nate Tyler's Office	<0.4
4319569	11/18/2019	3/26/2020	130	Break Room	0.6
4319523	11/18/2019	3/26/2020	130	Break Room Duplicate	0.5
4319567	11/18/2019	3/26/2020	130	Men's Clinic	1.2
4319522	11/18/2019	3/26/2020	130	Attendance Office	0.6
4319568	11/18/2019	3/26/2020	130	Women's Clinic	0.6
4319521	11/18/2019	3/26/2020	130	Bookkeeping	<0.4
4319446	11/18/2019	3/26/2020	130	Husky Den	0.5
4319524	11/18/2019	3/26/2020	130	Husky Den Duplicate	0.6
4319514	11/18/2019	3/26/2020	130	Husky Den	0.6
4319511	11/18/2019	3/26/2020	130	Cafeteria	0.4
4319509	11/18/2019	3/26/2020	130	Cafeteria	0.4
4319515	11/18/2019	3/26/2020	130	Kitchen Office	0.6
4319298	11/18/2019	3/26/2020	130	Pool Room	1.0
4319510	11/18/2019	3/26/2020	130	Pool Room	1.0
4319297	11/18/2019	3/26/2020	130	Boy's Locker	0.5
4319513	11/18/2019	3/26/2020	130	Girl's Locker	0.7
4319300	11/18/2019	3/26/2020	130	Swim Office Lobby	0.7

DEVICE NUMBER	START DATE	STOP DATE	Total Days	LOCATION	RADON pCi/L
4319508	11/18/2019	3/26/2020	130	Swim Office Lobby Duplicate	0.6
4319506	11/18/2019	3/26/2020	130	Swim Instructor Office	0.5
4319507	11/18/2019	3/26/2020	130	A1 Leadership	0.6
4319512	11/18/2019	3/26/2020	130	Activity Gym	Sample not Found
4319299	11/18/2019	3/26/2020	130	Activity Gym	1.7
4319306	11/18/2019	3/26/2020	130	Activity Gym	1.6
4319453	11/18/2019	3/26/2020	130	Main Gym	0.4
4319451	11/18/2019	3/26/2020	130	Main Gym	<0.4
4319309	11/18/2019	3/26/2020	130	Main Gym	0.4
4319296	11/18/2019	3/26/2020	130	Girl's Team Locker Room	0.4
4319307	11/18/2019	3/26/2020	130	Team Room 2	0.4
4319311	11/18/2019	3/26/2020	130	Girl's PE Office	0.4
4319452	11/18/2019	3/26/2020	130	Girl's Locker Room	<0.4
4319308	11/18/2019	3/26/2020	130	Training Room	<0.4
4319454	11/18/2019	3/26/2020	130	Boy's Locker Room	Sample not Found
4319312	11/18/2019	3/26/2020	130	Boy's Locker Room Duplicate	0.4
4319455	11/18/2019	3/26/2020	130	Boy's Locker Room PE Office	Sample not Found
4319396	11/18/2019	3/26/2020	130	Team Room Boys	0.6
4319313	11/18/2019	3/26/2020	130	Team Room 2	<0.4
4319310	11/18/2019	3/26/2020	130	Coach's Office	0.6
4319543	11/18/2019	3/26/2020	130	Team Room 3	Sample not Found
4319400	11/18/2019	3/26/2020	130	Team Room 3 Duplicate	Sample not Found

DEVICE NUMBER	START DATE	STOP DATE	Total Days	LOCATION	RADON pCi/L
4319398	11/18/2019	3/26/2020	130	Wrestling Room	<0.4
4319392	11/18/2019	3/26/2020	130	Wrestling Room	<0.4
4319397	11/18/2019	3/26/2020	130	Weight Room	<0.4
4319406	11/18/2019	3/26/2020	130	Library Space	1.0
4319391	11/18/2019	3/26/2020	130	Library Space	1.0
4319399	11/18/2019	3/26/2020	130	Library Space	1.1
4319315	11/18/2019	3/26/2020	130	Library Office	0.8
4319314	11/18/2019	3/26/2020	130	Library Duplicate	0.8
4319571	11/18/2019	3/26/2020	130	Computer Lab 1	1
4319339	11/18/2019	3/26/2020	130	Computer Lab 2	1.3
4319328	11/18/2019	3/26/2020	130	Library Back Room	0.6
4319573	11/18/2019	3/26/2020	130	Career Center	<0.4
4319575	11/18/2019	3/26/2020	130	Guidance Center	<0.4
4319338	11/18/2019	3/26/2020	130	Mr.Kistner	<0.4
4319326	11/18/2019	3/26/2020	130	Conference Room- Guidance	<0.4
4319327	11/18/2019	3/26/2020	130	Counselor Room 1	<0.4
4319574	11/18/2019	3/26/2020	130	Counselor Room 2	<0.4
4319340	11/18/2019	3/26/2020	130	Counselor Room 3	<0.4
4319329	11/18/2019	3/26/2020	130	Wood Working/Forestry Club	1.6
4319337	11/18/2019	3/26/2020	130	Wood Working Office	2.4
4319572	11/18/2019	3/26/2020	130	Wood Flammable Shop	0.9
4319330	11/18/2019	3/26/2020	130	Wood Shop	0.7
4319336	11/18/2019	3/26/2020	130	Wood Shop	0.7

DEVICE NUMBER	START DATE	STOP DATE	Total Days	LOCATION	RADON pCi/L
4319342	11/18/2019	3/26/2020	130	Laundry Room	0.4
4319343	11/18/2019	3/26/2020	130	Band Room	0.6
4319341	11/18/2019	3/26/2020	130	Band Practice Room 1	0.6
4319426	11/18/2019	3/26/2020	130	Band Practice Room 2	0.5
4319320	11/18/2019	3/26/2020	130	Auditorium	1
4319344	11/18/2019	3/26/2020	130	Auditorium	1.1
4319316	11/18/2019	3/26/2020	130	Auditorium Stage	0.9
4319345	11/18/2019	3/26/2020	130	Choir Room	0.4
4319386	11/18/2019	3/26/2020	130	Practice Room	0.4
4319545	11/18/2019	3/26/2020	130	Practice Room (Front)	<0.4
4319437	11/18/2019	3/26/2020	130	Practice Room (Front)	<0.4
4327109	11/18/2019	3/26/2020	130	M3 Modual	<0.4
4327101	11/18/2019	3/26/2020	130	M4	<0.4
4327131	11/18/2019	3/26/2020	130	M2	<0.4
4319347	11/18/2019	3/26/2020	130	M1	<0.4
4327105	11/18/2019	3/26/2020	130	Metal Shop-Class Room	1.4
4319350	11/18/2019	3/26/2020	130	Metal Shop	0.6
4319348	11/18/2019	3/26/2020	130	Metal Shop	0.8
4327102	11/18/2019	3/26/2020	130	Arc Welding	0.9
4327104	11/18/2019	3/26/2020	130	Back Shop	0.7
4327135	11/18/2019	3/26/2020	130	Office	0.6
4327108	11/18/2019	3/26/2020	130	D7 Manley Class	1.9
4327134	11/18/2019	3/26/2020	130	D7 Class Office	1.6

DEVICE NUMBER	START DATE	STOP DATE	Total Days	LOCATION	RADON pCi/L
4327127	11/18/2019	3/26/2020	130	Auto's Classroom	1.8
4319346	11/18/2019	3/26/2020	130	Autos Shop	0.6
4319420	11/18/2019	3/26/2020	130	Autos Shop	0.5
4327132	11/18/2019	3/26/2020	130	Autos Shop Duplicate	0.4
4327128	11/18/2019	3/26/2020	130	Locker Room	0.9
4327110	11/18/2019	3/26/2020	130	Tool Room	0.5
4327103	11/18/2019	3/26/2020	130	Lab D1	<0.4
4327133	11/18/2019	3/26/2020	130	Lab D1 Duplicate	<0.4
4327129	11/18/2019	3/26/2020	130	D Building Art Work	<0.4
4319349	11/18/2019	3/26/2020	130	Classroom	<0.4
4327005	11/18/2019	3/26/2020	130	Kiln	0.4
4327002	11/18/2019	3/26/2020	130	GED Room	<0.4
4327001	11/18/2019	3/26/2020	130	GED Room D2	<0.4
4327106	11/18/2019	3/26/2020	130	GED Study	<0.4
4327004	11/18/2019	3/26/2020	130	GED Study Duplicate	<0.4
4327008	11/18/2019	3/26/2020	130	C13	2.1
4319417	11/18/2019	3/26/2020	130	C12	2.4
4327126	11/18/2019	3/26/2020	130	C14	2.3
4327003	11/18/2019	3/26/2020	130	C15	2.0
4319561	11/18/2019	3/26/2020	130	С7	2.5
4319393	11/18/2019	3/26/2020	130	C6	2.3
4327130	11/18/2019	3/26/2020	130	C9 Break Room	1.7
4327009	11/18/2019	3/26/2020	130	C11	2.4

DEVICE NUMBER	START DATE	STOP DATE	Total Days	LOCATION	RADON pCi/L
4319416	11/18/2019	3/26/2020	130	C4	2.2
4319419	11/18/2019	3/26/2020	130	Back Room/Lab Storage	2.2
4327007	11/18/2019	3/26/2020	130	Back Room Prep Area	2.2
4327006	11/18/2019	3/26/2020	130	C3	1.9
4319418	11/18/2019	3/26/2020	130	C2	2.0
4319324	11/18/2019	3/26/2020	130	C1	2.2
4327096	11/18/2019	3/26/2020	130	A2	0.6
4319247	11/18/2019	3/26/2020	130	A3	0.6
4327010	11/18/2019	3/26/2020	130	A14	0.4
4327147	11/18/2019	3/26/2020	130	A15	0.6
4327097	11/18/2019	3/26/2020	130	A16	0.7
4327100	11/18/2019	3/26/2020	130	A6	1.3
4327146	11/18/2019	3/26/2020	130	A17	0.4
4327099	11/18/2019	3/26/2020	130	A13	1.3
4327149	11/18/2019	3/26/2020	130	A25	1.6
4327107	11/18/2019	3/26/2020	130	Publishing Offices	1.6
4327148	11/18/2019	3/26/2020	130	Publishing Office 1	1.6
4327115	11/18/2019	3/26/2020	130	Publishing Office 2	1.8
4327150	11/18/2019	3/26/2020	130	Publishing Offices Duplicate	1.8
4327111	11/18/2019	3/26/2020	130	A18	0.6
4327098	11/18/2019	3/26/2020	130	A18 Duplicate	0.9
4327067	11/18/2019	3/26/2020	130	A19	0.5
4327112	11/18/2019	3/26/2020	130	A19 Duplicate	0.7

DEVICE NUMBER	START DATE	STOP DATE	Total Days	LOCATION	RADON pCi/L
4327066	11/18/2019	3/26/2020	130	A24	1.4
4327068	11/18/2019	3/26/2020	130	A23	1.5
4327114	11/18/2019	3/26/2020	130	A20	1
4327069	11/18/2019	3/26/2020	130	A20 Duplicate	1.1
4327113	11/18/2019	3/26/2020	130	A22	1.6
4327070	11/18/2019	3/26/2020	130	A21	1.0
4327072	11/18/2019	3/26/2020	130	A26	1.4
4327074	11/18/2019	3/26/2020	130	A27	1.9
4327073	11/18/2019	3/26/2020	130	B8	1.0
4327075	11/18/2019	3/26/2020	130	В9	0.7
4327071	11/18/2019	3/26/2020	130	В7	0.9
4327056	11/18/2019	3/26/2020	130	B7 Duplicate	0.8
4327058	11/18/2019	3/26/2020	130	B6	0.9
4327025	11/18/2019	3/26/2020	130	В5	0.9
4327024	11/18/2019	3/26/2020	130	В4	1.1
4327021	11/18/2019	3/26/2020	130	B3 Life Skills Class	1.3
4327022	11/18/2019	3/26/2020	130	B3 Life Skills Class	1.4
4327023	11/18/2019	3/26/2020	130	B3 Nursey Section	1.2
4327057	11/18/2019	3/26/2020	130	B3 Nursey Section	1.2
4327015	11/18/2019	3/26/2020	130	B3 Office	Sample not Found
4327014	11/18/2019	3/26/2020	130	B3 Office Duplicate	1.4
4327120	11/18/2019	3/26/2020	130	B3 Nap Room (Need Sticker)	1.4
4327095	11/18/2019	3/26/2020	130	Spike	6.2

DEVICE NUMBER	START DATE	STOP DATE	Total Days	LOCATION	RADON pCi/L
4326970	11/18/2019	3/26/2020	130	Spike	5.8
4327059	11/18/2019	3/26/2020	130	Spike	6.0
4327060	11/18/2019	3/26/2020	130	Spike	5.8
4327092	11/18/2019	3/26/2020	130	Spike	5.8
4327089				Blank	TBD
4327088				Blank	TBD
4327087				Blank	TBD
4326950				Blank	TBD
4327000				Blank	TBD



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EPA Method #402-R-92-004 Alpha Track NRPP Device Code 8205 NRSB Device Code 12001

Laboratory Report for:

Property Tested:

Kelsay Environmental	Sweet Home High School	
833 Southeast Main Street 410	1641 Long Street	
Portland OR 97214	Sweet Home OR 97386	

- 3)evice lumber	Test Exposu	re Duration:	Area Tested	Result pCi/L
2673953 43	319447	11/18/2019	03/26/2020	Main Office	< 0.4
2673954 43	319525	11/18/2019	03/26/2020	Principals Office	0.5
2673955 43	319448	11/18/2019	03/26/2020	Hiaasen's Office	< 0.4
2673956 43	319570	11/18/2019	03/26/2020	Police Officers Office	0.4
2673957 43	319450	11/18/2019	03/26/2020	Conference Room	0.4
2673958 43	319449	11/18/2019	03/26/2020	Nate Tyler's Office	< 0.4
2673959 43	319569	11/18/2019	03/26/2020	Break Room	0.6
2673960 43	319523	11/18/2019	03/26/2020	Break Room Duplicate	0.5
2673961 43	319567	11/18/2019	03/26/2020	Men's Clinic	1.2
2673962 43	319522	11/18/2019	03/26/2020	Attendance Office	0.6
2673963 43	319568	11/18/2019	03/26/2020	Women's Clinic	0.6

Comment: Unable to report test result for 4319512. The housing was damaged and the AT foil was missing. Devices 4319566, -9454, -9455, -9543, -9400, and 4327015 were not received with this COC. Confidential: Release results to client only.

Test Performed By: Placed: Lisa Janik Retrieved: Lisa Janik

Distributed by: Kelsay Environmental

Date Received: 04/07/2020 Date Logged: 04/22/2020 Date Analyzed: 05/06/2020 Date Reported: 05/19/2020

Disclaimer:

Report Reviewed By: _ Alishid

Report Approved By:

Shawn Price, Director of Laboratory Operations, AccuStar Labs

The uncertainty of this radon measurement is ~+/- 15 %. Factors contributing to uncertainty include statistical variations, daily and seasonal variations in radon concentrations, sample collection techniques, and operation of the dwelling. Interference with test conditions may influence the test results.



EPA Method #402-R-92-004 Alpha Track NRPP Device Code 8205 NRSB Device Code 12001

Laboratory Report for:

Property Tested:

Kelsay Environmental	Sweet Home High School	
833 Southeast Main Street 410	1641 Long Street	
Portland OR 97214	Sweet Home OR 97386	

Log Number	Device Number	Test Exposi	ure Duration:	Area Tested	Result pCi/L
2673964	4319521	11/18/2019	03/26/2020	Bookkeeping	< 0.4
2673965	4319446	11/18/2019	03/26/2020	Husky Den	0.5
2673966	4319524	11/18/2019	03/26/2020	Husky Den Duplicate	0.6
2673967	4319514	11/18/2019	03/26/2020	Husky Den	0.6
2673968	4319511	11/18/2019	03/26/2020	Cafeteria	0.4
2673969	4319509	11/18/2019	03/26/2020	Cafeteria	0.4
2673970	4319515	11/18/2019	03/26/2020	Kitchen Office	0.6
2673971	4319298	11/18/2019	03/26/2020	Pool Room	1.0
2673972	4319510	11/18/2019	03/26/2020	Pool Room	1.0
2673973	4319297	11/18/2019	03/26/2020	Boys Locker	0.5
2673974	4319513	11/18/2019	03/26/2020	Girls Locker	0.7

Comment: Unable to report test result for 4319512. The housing was damaged and the AT foil was missing. Devices 4319566, -9454, -9455, -9543, -9400, and 4327015 were not received with this COC. Confidential: Release results to client only.

Test Performed By: Placed: Lisa Janik Retrieved: Lisa Janik

Distributed by: Kelsay Environmental

Date Received: 04/07/2020 Date Logged: 04/22/2020 Date Analyzed: 05/06/2020 Date Reported: 05/19/2020

Disclaimer:

Report Reviewed By: _

Report Approved By:

Shawn Price, Director of Laboratory Operations, AccuStar Labs

The uncertainty of this radon measurement is ~+/- 15 %. Factors contributing to uncertainty include statistical variations, daily and seasonal variations in radon concentrations, sample collection techniques, and operation of the dwelling. Interference with test conditions may influence the test results.



EPA Method #402-R-92-004 Alpha Track NRPP Device Code 8205 NRSB Device Code 12001

Laboratory Report for:

Property Tested:

Kelsay Environmental	Sweet Home High School	
833 Southeast Main Street 410	1641 Long Street	
Portland OR 97214	Sweet Home OR 97386	

Log Number	Device Number	Test Exposi	ure Duration:	Area Tested	Result
Number	Number				pCi/L
2673975	4319300	11/18/2019	03/26/2020	Swim Office Lobby	0.7
2673976	4319508	11/18/2019	03/26/2020	Swim Office Lobby Duplicate	0.6
2673977	4319506	11/18/2019	03/26/2020	Swim Instructor Office	0.5
2673978	4319507	11/18/2019	03/26/2020	A1 Leadership	0.6
2673979	4319512	11/18/2019	03/26/2020	Activity Gym	
2673980	4319299	11/18/2019	03/26/2020	Activity Gym	1.7
2673981	4319306	11/18/2019	03/26/2020	Activity Gym	1.6
2673982	4319453	11/18/2019	03/26/2020	Main Gym	0.4
2673983	4319451	11/18/2019	03/26/2020	Main Gym	< 0.4
2673984	4319309	11/18/2019	03/26/2020	Main Gym	0.4
2673985	4319296	11/18/2019	03/26/2020	Girls Team Locker Room	0.4

Comment: Unable to report test result for 4319512. The housing was damaged and the AT foil was missing. Devices 4319566, - 9454, -9455, -9543, -9400, and 4327015 were not received with this COC. Confidential: Release results to client only.

Test Performed By: Placed: Lisa Janik Retrieved: Lisa Janik

Distributed by: Kelsay Environmental

Date Received: 04/07/2020 Date Logged: 04/22/2020

Date Analyzed: 05/06/2020 Date Reported: 05/19/2020

Disclaimer:

Report Reviewed By: _

Report Approved By:

Shawn Price, Director of Laboratory Operations, AccuStar Labs

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EPA Method #402-R-92-004 Alpha Track NRPP Device Code 8205 NRSB Device Code 12001

Laboratory Report for:

Property Tested:

Kelsay Environmental	Sweet Home High School	
833 Southeast Main Street 410	1641 Long Street	
Portland OR 97214	Sweet Home OR 97386	

2673986 4319307 11/18/2019 03/26/2020 Team Room 2	0.4
2673987 4319311 11/18/2019 03/26/2020 Girls PE Office	0.4
2673988 4319452 11/18/2019 03/26/2020 Girls Locker	< 0.4
2673989 4319308 11/18/2019 03/26/2020 Training Room	< 0.4
2673990 4319312 11/18/2019 03/26/2020 Boys Locker Duplicate	0.4
2673991 4319396 11/18/2019 03/26/2020 Team Room Boys	0.6
2673992 4319313 11/18/2019 03/26/2020 Team Room 2	< 0.4
2673993 4319310 11/18/2019 03/26/2020 Coaches Office	0.6
2673994 4319398 11/18/2019 03/26/2020 Wrestling Room	< 0.4
2673995 4319392 11/18/2019 03/26/2020 Wrestling Room	< 0.4
2673996 4319397 11/18/2019 03/26/2020 Weight Room	< 0.4

Comment: Unable to report test result for 4319512. The housing was damaged and the AT foil was missing. Devices 4319566, - 9454, -9455, -9543, -9400, and 4327015 were not received with this COC. Confidential: Release results to client only.

Test Performed By: Placed: Lisa Janik Retrieved: Lisa Janik

Distributed by: Kelsay Environmental

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EPA Method #402-R-92-004 Alpha Track NRPP Device Code 8205 NRSB Device Code 12001

Laboratory Report for:

Property Tested:

Kelsay Environmental	Sweet Home High School	
833 Southeast Main Street 410	1641 Long Street	
Portland OR 97214	Sweet Home OR 97386	

Log Device Number Number	Test Exposur	re Duration:	Area Tested	Result pCi/L
2673997 4319406	11/18/2019	03/26/2020	Library Space	1.0
2673998 4319391	11/18/2019	03/26/2020	Library Space	1.0
2673999 4319399	11/18/2019	03/26/2020	Library Space	1.1
2674000 4319315	11/18/2019	03/26/2020	Library Office	0.8
2674001 4319314	11/18/2019	03/26/2020	Library Office Duplicate	0.8
2674002 4319571	11/18/2019	03/26/2020	Computer Lab 1	1.0
2674003 4319339	11/18/2019	03/26/2020	Computer Lab 2	1.3
2674004 4319328	11/18/2019	03/26/2020	Library Back Room	0.6
2674005 4319573	11/18/2019	03/26/2020	Career Center	< 0.4
2674006 4319575	11/18/2019	03/26/2020	Guidance Center	< 0.4
2674007 4319338	11/18/2019	03/26/2020	Mr. Kistner	< 0.4

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Test Performed By: Placed: Lisa Janik Retrieved: Lisa Janik

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EPA Method #402-R-92-004 Alpha Track NRPP Device Code 8205 NRSB Device Code 12001

Laboratory Report for:

Property Tested:

Kelsay Environmental	Sweet Home High School	
833 Southeast Main Street 410	1641 Long Street	
Portland OR 97214	Sweet Home OR 97386	

Log Device Number Numb	Toot Exposure Duration	n: Area Tested	Result pCi/L
2674008 431932	6 11/18/2019 03/26/2020	Conference Room-Guidance	< 0.4
2674009 431932	7 11/18/2019 03/26/2020	Counselor Room 1	< 0.4
2674010 431957	4 11/18/2019 03/26/2020	Counselor Room 2	< 0.4
2674011 431934	0 11/18/2019 03/26/2020	Counselor Room 3	< 0.4
2674012 431932	9 11/18/2019 03/26/2020	0 Wood Working/Forestry Club	1.6
2674013 431933	7 11/18/2019 03/26/2020	0 Wood Working Office	2.4
2674014 431957	2 11/18/2019 03/26/2020	0 Wood Flammable	0.9
2674015 431933	0 11/18/2019 03/26/2020	0 Wood Shop	0.7
2674016 431933	6 11/18/2019 03/26/2020	0 Wood Shop	0.7
2674017 431934	2 11/18/2019 03/26/2020	D Laundry Room	0.4
2674018 431934	3 11/18/2019 03/26/2020	D Band Room	0.6

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Test Performed By: Placed: Lisa Janik Retrieved: Lisa Janik

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EPA Method #402-R-92-004 Alpha Track NRPP Device Code 8205 NRSB Device Code 12001

Laboratory Report for:

Property Tested:

Kelsay Environmental	Sweet Home High School	
833 Southeast Main Street 410	1641 Long Street	
Portland OR 97214	Sweet Home OR 97386	

Log Device Number Number	Test Exposure Duration:	Area Tested	Result pCi/L
2674019 4319341	11/18/2019 03/26/2020	Band Practice Room 1	0.6
2674020 4319426	11/18/2019 03/26/2020	Band Practice Room 2	0.5
2674021 4319320	11/18/2019 03/26/2020	Auditorium	1.0
2674022 4319344	11/18/2019 03/26/2020	Auditorium	1.1
2674023 4319316	11/18/2019 03/26/2020	Auditorium Stage	0.9
2674024 4319345	11/18/2019 03/26/2020	Choir Room	0.4
2674025 4319386	11/18/2019 03/26/2020	Practice Room	0.4
2674026 4319545	11/18/2019 03/26/2020	Practice Room Front	< 0.4
2674027 4319437	11/18/2019 03/26/2020	Practice Room Front	< 0.4
2674028 4327109	11/18/2019 03/26/2020	Room M3 Moduau	< 0.4
2674029 4327101	11/18/2019 03/26/2020	Room M4	< 0.4

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Test Performed By: Placed: Lisa Janik Retrieved: Lisa Janik

Distributed by: Kelsay Environmental

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EPA Method #402-R-92-004 Alpha Track NRPP Device Code 8205 NRSB Device Code 12001

Laboratory Report for:

Property Tested:

Kelsay Environmental	Sweet Home High School
833 Southeast Main Street 410	1641 Long Street
Portland OR 97214	Sweet Home OR 97386

Log Number	Device Number	Test Exposu	ire Duration:	Area Tested	Result pCi/L
2674030	4327131	11/18/2019	03/26/2020	Room M2	< 0.4
2674031	4319347	11/18/2019	03/26/2020	Room M1	< 0.4
2674032	4327105	11/18/2019	03/26/2020	Metal Shop Classroom	1.4
2674033	4319350	11/18/2019	03/26/2020	Metal Shop	0.6
2674034	4319348	11/18/2019	03/26/2020	Metal Shop	0.8
2674035	4327102	11/18/2019	03/26/2020	Arc Welding	0.9
2674036	4327104	11/18/2019	03/26/2020	Back Shop	0.7
2674037	4327135	11/18/2019	03/26/2020	Office	0.6
2674038	4327108	11/18/2019	03/26/2020	Room D7 Manley Class	1.9
2674039	4327134	11/18/2019	03/26/2020	Room D7 Office	1.6
2674040	4327127	11/18/2019	03/26/2020	Auto Shop Classroom	1.8

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Test Performed By: Placed: Lisa Janik Retrieved: Lisa Janik

Distributed by: Kelsay Environmental

Date Received: 04/07/2020 Date Logged: 04/22/2020 Date Analyzed: 05/06/2020 Date Reported: 05/19/2020

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EPA Method #402-R-92-004 Alpha Track NRPP Device Code 8205 NRSB Device Code 12001

Laboratory Report for:

Property Tested:

Kelsay Environmental	Sweet Home High School
833 Southeast Main Street 410	1641 Long Street
Portland OR 97214	Sweet Home OR 97386

Log Number	Device Number	Test Exposu	re Duration:	Area Tested	Result pCi/L
2674041	4319346	11/18/2019	03/26/2020	Auto Shop	0.6
2674042	4319420	11/18/2019	03/26/2020	Auto Shop	0.5
2674043	4327132	11/18/2019	03/26/2020	Auto Shop Duplicate	0.4
2674044	4327128	11/18/2019	03/26/2020	Locker Room	0.9
2674045	4327110	11/18/2019	03/26/2020	Tool Room	0.5
2674046	4327103	11/18/2019	03/26/2020	Room D1 Lab	< 0.4
2674047	4327133	11/18/2019	03/26/2020	Room D1 Lab Duplicate	< 0.4
2674048	4327129	11/18/2019	03/26/2020	Bldg. D Art Work	< 0.4
2674049	4319349	11/18/2019	03/26/2020	Classroom	< 0.4
2674050	4327005	11/18/2019	03/26/2020	Kiln	0.4
2674051	4327002	11/18/2019	03/26/2020	Room D2 GED	< 0.4

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Test Performed By: Placed: Lisa Janik Retrieved: Lisa Janik

Distributed by: Kelsay Environmental

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D - - - 11

EPA Method #402-R-92-004 Alpha Track NRPP Device Code 8205 NRSB Device Code 12001

Laboratory Report for:

Property Tested:

Kelsay Environmental	Sweet Home High School
833 Southeast Main Street 410	1641 Long Street
Portland OR 97214	Sweet Home OR 97386

Log Number	Device Number	Test Exposu	ire Duration:	Area Tested	Result pCi/L
2674052	4327001	11/18/2019	03/26/2020	GED Room	< 0.4
2674053	4327106	11/18/2019	03/26/2020	GED Study Room	< 0.4
2674054	4327004	11/18/2019	03/26/2020	GED Study Room Duplicate	< 0.4
2674055	4327008	11/18/2019	03/26/2020	Bldg. C Room C13	2.1
2674056	4319417	11/18/2019	03/26/2020	Room C12	2.4
2674057	4327126	11/18/2019	03/26/2020	Room C14	2.3
2674058	4327003	11/18/2019	03/26/2020	Room C15	2.0
2674059	4319561	11/18/2019	03/26/2020	Room C7	2.5
2674060	4319393	11/18/2019	03/26/2020	Room C6	2.3
2674061	4327130	11/18/2019	03/26/2020	Room C9 Break Room	1.7
2674062	4327009	11/18/2019	03/26/2020	Room C11	2.4

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Test Performed By: Placed: Lisa Janik Retrieved: Lisa Janik

Distributed by: Kelsay Environmental

Date Received: 04/07/2020 Date Logged: 04/22/2020 Date Analyzed: 05/06/2020 Date Reported: 05/19/2020

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D - - - 11

EPA Method #402-R-92-004 Alpha Track NRPP Device Code 8205 NRSB Device Code 12001

Laboratory Report for:

Property Tested:

Kelsay Environmental	Sweet Home High School
833 Southeast Main Street 410	1641 Long Street
Portland OR 97214	Sweet Home OR 97386

Log Number	Device Number	Test Exposu	ire Duration:	Area Tested	Result pCi/L
2674063	4319416	11/18/2019	03/26/2020	Room C4	2.2
2674064	4319419	11/18/2019	03/26/2020	Back Room Lab/Storage	2.2
2674065	4327007	11/18/2019	03/26/2020	Back Room Prep Area	2.2
2674066	4327006	11/18/2019	03/26/2020	Room C3	1.9
2674067	4319418	11/18/2019	03/26/2020	Room C2	2.0
2674068	4319324	11/18/2019	03/26/2020	Room C1	2.2
2674069	4327096	11/18/2019	03/26/2020	Bldg. A Room A2	0.6
2674070	4319247	11/18/2019	03/26/2020	Room A3	0.6
2674071	4327010	11/18/2019	03/26/2020	Room A14	0.4
2674072	4327147	11/18/2019	03/26/2020	Room A15	0.6
2674073	4327097	11/18/2019	03/26/2020	Room A16	0.7

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Test Performed By: Placed: Lisa Janik Retrieved: Lisa Janik

Distributed by: Kelsay Environmental

or any verbal or written interpretation of the results.

Date Received: 04/07/2020 Date Logged: 04/22/2020 Date Analyzed: 05/06/2020 Date Reported: 05/19/2020

Disclaimer:

Report Reviewed By: _

Report Approved By:

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Rev 2002

The uncertainty of this radon measurement is ~+/- 15 %. Factors contributing to uncertainty include statistical variations, daily and seasonal variations in radon



EPA Method #402-R-92-004 Alpha Track NRPP Device Code 8205 NRSB Device Code 12001

Laboratory Report for:

Property Tested:

Kelsay Environmental	Sweet Home High School
833 Southeast Main Street 410	1641 Long Street
Portland OR 97214	Sweet Home OR 97386

Log Number	Device Number	Test Expos	ure Duration:	Area Tested	Result pCi/L
2674074	4327100	11/18/2019	03/26/2020	Room A6	1.3
2674075	4327146	11/18/2019	03/26/2020	Room A17	0.4
2674076	4327099	11/18/2019	03/26/2020	Room A13	1.3
2674077	4327149	11/18/2019	03/26/2020	Room A25	1.6
2674078	4327107	11/18/2019	03/26/2020	Bldg. A Publishing Offices	1.6
2674079	4327148	11/18/2019	03/26/2020	Bldg. A Publishing Offices 1	1.6
2674080	4327115	11/18/2019	03/26/2020	Bldg. A Publishing Offices 2	1.8
2674081	4327150	11/18/2019	03/26/2020	Bldg. A Publishing Offices 2 Duplicate	1.8
2674082	4327111	11/18/2019	03/26/2020	Room A18	0.6
2674083	4327098	11/18/2019	03/26/2020	Room A18 Duplicate	0.9
2674084	4327067	11/18/2019	03/26/2020	Room A19	0.5

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Test Performed By: Placed: Lisa Janik Retrieved: Lisa Janik

Distributed by: Kelsay Environmental

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EPA Method #402-R-92-004 Alpha Track NRPP Device Code 8205 NRSB Device Code 12001

Laboratory Report for:

Property Tested:

Kelsay Environmental	Sweet Home High School
833 Southeast Main Street 410	1641 Long Street
Portland OR 97214	Sweet Home OR 97386

Log Number	Device Number	Test Exposu	ure Duration:	Area Tested	Result pCi/L
2674085	4327112	11/18/2019	03/26/2020	Room A19 Duplicate	0.7
2674086	4327066	11/18/2019	03/26/2020	Room A24	1.4
2674087	4327068	11/18/2019	03/26/2020	Room A23	1.5
2674088	4327114	11/18/2019	03/26/2020	Bldg. A Room A20	1.0
2674089	4327069	11/18/2019	03/26/2020	Bldg. A Room A20 Duplicate	1.1
2674090	4327113	11/18/2019	03/26/2020	Bldg. A Room 22	1.6
2674091	4327070	11/18/2019	03/26/2020	Bldg. A Room 21	1.0
2674092	4327072	11/18/2019	03/26/2020	Bldg. A Room A26	1.4
2674093	4327074	11/18/2019	03/26/2020	Room A27	1.9
2674094	4327073	11/18/2019	03/26/2020	Bldg. B Room B8	1.0
2674095	4327075	11/18/2019	03/26/2020	Room B9	0.7

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Test Performed By: Placed: Lisa Janik Retrieved: Lisa Janik

Distributed by: Kelsay Environmental

Date Received: 04/07/2020 Date Logged: 04/22/2020

Date Analyzed: 05/06/2020 Date Reported: 05/19/2020

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Report Approved By:

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EPA Method #402-R-92-004 Alpha Track NRPP Device Code 8205 NRSB Device Code 12001

Laboratory Report for:

Property Tested:

Kelsay Environmental	Sweet Home High School
833 Southeast Main Street 410	1641 Long Street
Portland OR 97214	Sweet Home OR 97386

Log Numbe	Device er Number	Test Expos	ure Duration:	Area Tested	Result pCi/L
267409	6 4327071	11/18/2019	03/26/2020	Room B7	0.9
267409	7 4327056	11/18/2019	03/26/2020	Room B7 Duplicate	0.8
267409	8 4327058	11/18/2019	03/26/2020	Room B6	0.9
267409	9 4327025	11/18/2019	03/26/2020	Room B5	0.9
267410	0 4327024	11/18/2019	03/26/2020	Room B4	1.1
267410	1 4327021	11/18/2019	03/26/2020	Room B3 Life Skills Class	1.3
267410	2 4327022	11/18/2019	03/26/2020	Room B3 Life Skills Class	1.4
267410	3 4327023	11/18/2019	03/26/2020	Room B3 Nursery Section	1.2
267410	4 4327057	11/18/2019	03/26/2020	Room B3	1.2
267410	5 4327014	11/18/2019	03/26/2020	Room B3 Office Duplicate	1.4
267410	6 4327120	11/18/2019	03/26/2020	Room B3 Nap Room	1.4

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Test Performed By: Placed: Lisa Janik Retrieved: Lisa Janik

Distributed by: Kelsay Environmental

Date Received: 04/07/2020 Date Logged: 04/22/2020

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EPA Method #402-R-92-004 Alpha Track NRPP Device Code 8205 NRSB Device Code 12001

Laboratory Report for:

Property Tested:

Kelsay Environmental	Sweet Home High School
833 Southeast Main Street 410	1641 Long Street
Portland OR 97214	Sweet Home OR 97386

Log Device Number Number	Test Exposure Duration:	Area Tested	Result pCi/L
2674107 4327095	11/18/2019 03/26/2020	Spike	6.2
2674108 4326970	11/18/2019 03/26/2020	Spike	5.8
2674109 4327059	11/18/2019 03/26/2020	Spike	6.0
2674110 4327060	11/18/2019 03/26/2020	Spike	5.8
2674111 4327092	11/18/2019 03/26/2020	Spike	5.8

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Place up to 10 devices together with the matching datasheet in a plastic "zip lock" bag. Please see the back of this datasheet for test instructions.

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Place up to 10 devices together with the matching datasheet in a plastic "zip lock" bag. Please see the back of this datasheet for test instructions.

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Place up to 10 devices together with the matching datasheet in a plastic "zip lock" bag. Please see the back of this datasheet for test instructions.

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Place up to 10 devices together with the matching datasheet in a plastic "zip lock" bag. Please see the back of this datasheet for test instructions.

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	091	159	158	157	156	SS.	154	153	651	151	Lab Use Only Device Number	Start Date:	E-Mail Address:	Contact: Tel:		Send Written Report To:	AccuStar AccuStar Labs History MA 02053 888-490-8012 fax 508-533-8831	
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	-4327120-	-4327014*	·4327015-	把书 记 •4327057•	-4327023*	-4327022*	111111 •4327021•	4327024*	4327025*	-4327058*	Unit #						st before expi	
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I manuful the test may be invalid											Stop Time	Start and Stop Times and Dates must be entered			and a second	and H	. Kauon ii	
rev 12 28 10											Lab Use	Dates	1			Sweet Home High School		Nin Tact Nata Sheet

Please include this data sheet with your recapped test vials. Return test devices to AccuStar Immediately. If the test devices are not returned promptly the test may be in

								Lab Use Only	Start Date:	Contact:		Send Written Report To:	AccuStar AccuStar Labs 11 Am Street Medwary MA 02053 886-480-0812 fax 508-533-8031
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			LAKE	SPIK 2	SPIKE	SPK2	SAILS	Name of Room		Person Conducting Test:	City State Zip	Address	Start test before expiration date on device or result will be invalid.
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Please include this data sheet with your recapped test vials. Return test devices to AccuStar immediately. If the test devices are not returned promptly the test may be invalid.

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		-4327000*	-4328950*	년 <u>년</u>] *4327087*	·4327088*	<u>単次時</u> ・4327069・	Lab Use Only Device Number	E-Mail Address: LSAMIK, K Start Date: DKP/SQ4.1	Contact	Send Written Report To: Kelsay Environmenta	AccuStar Labs 11 And Store Mediany MA (2003) 1400–400–4012 fax 500-533-4831
		۰ ۲				BLANK	mber Building #	Kes Supplier 1. CON		ronmental	
	 	 170	169	168	167	166	Unit # Flock			CF A SF	Start test before expiration date on device or result will be invalid. Project Number:
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Please include this data sheet with your recapped test vials. Return test devices to AccuStar Immediately. If the test devices are not returned promptly the test from 1 5

EXPOSURE IN BOWSER-MORNER R	ADON CHAMBER
CLIENT Kelsav Environmental	Job Number 194665
NOMINAL Conditions: Radon Conc <u>25.9</u> pCi/L Rel. Hun 777.0 pC:-d/L	50.1 % Temp. 70.2 F
Date Start: 2/9/20 Date Stop: 3/10/20 Date Start:	Date Stop:
Time Start: <u>2817</u> Time Stop: <u>0817</u> Time Start:	Time Stop:
Device No.'s: (24) Alpha Tracks - Device No.'s 4326967, 4326968, 4327015 4201011	
4327063, 4327061 4327064 4222744	
4326970, 432 7095 432 709 4327091	
M5 ROLL 4327060, 4327062, 4326969, 4327144	

129 Day Conversion: $30 \times 25.9 = 6.0$ /129