Apr 7, 2020

Kinetic Reference No.: 5738-AB-R3

Capilano University
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North Vancouver, BC V7J 3H5

Email: nataliaskapski@capilanou.ca

Attention: **Natalia Skapski, Manager, Health & Safety and Emergency Preparedness**

Reference: **Lead Water Sampling – Birch Building, Sportsplex, Fitness Centre, Fir, Cedar, Arbutus & Library**

1.0 Introduction

Kinetic OHS Services Ltd. (Kinetic OHS) has in accordance with your request, collected water samples from sinks and water fountains at the above mentioned buildings. It is our understanding that previously, lead water testing was performed in some buildings in the past. The results of the historical testing determined select locations to have elevated lead water concentration. The Health & Safety Department requested for a comprehensive water sampling survey to be performed throughout the above mentioned buildings to determine lead water concentration. The sampling was performed on February 23rd, March 1st & March 8th, 2020 when the school was unoccupied during the weekend.

Lead is a naturally occurring element found in small amounts in the earth's crust. Lead is a dense, odourless, bluish-grey heavy metal which is insoluble in water. Unlike other drinking water contaminants, lead is usually not in the water before it reaches the building. Lead can enter drinking water when plumbing materials that contain lead corrode including lead pipes, faucets and fixtures. Historically, lead was used extensively in service lines, solders and fittings. Water with high acidity or low mineral content especially corrodes pipes and fixtures thereby causing lead to leach from the systems.

Young children, infants, and fetuses are particularly vulnerable to lead because of the physical, behavioral and cognitive effects of lead. These effects can occur at a lower exposure level in children than in adults. Long term exposure to lead can cause it to accumulate in the bodies over time where it gets stored in the bones as a source of continual internal exposure. With age, when the bones demineralize, the bone tissue releases lead causing internal exposure. Lead can also cross the placental barrier thus pregnant women who are exposed to lead can also exposure their fetus. Even at extremely low levels, exposure to lead can be toxic and very difficult to eliminate from the body.

Short term overexposure to lead can cause lead poisoning which includes symptoms such as abdominal pain, constipation, tiredness, headaches, irritability, loss of appetite, memory loss, weakness, and pain or tingling in the hands. Prolonged exposure to lead can cause abdominal pain, constipation, depression, forgetfulness, irritability, and nausea/sickness. People with prolonged exposure to lead are also at a risk for high blood pressure, heart disease, kidney disease, and reduced fertility. In children, lead exposure has been determined to cause adverse cognitive and behavioural effects especially reduction of intelligence quotient (IQ) scores.

Lead cannot be detected in water by sight, smell or taste. Discoloration episodes such as red water are likely to be accompanied by the release of accumulated contaminants including lead as dissolved lead adsorbs onto iron deposits in the lead service line. However, discoloration does not always accompany lead contamination. Hence, testing is the only way to detect lead in water.

2.0 Scope of Work

Kinetic OHS collected water samples of the water from the sink faucets and water fountains of the Birch Building, Sportsplex, Fitness Center, Fir Building, Cedar Building, Arbutus Building and Library. The results were compared against the current Health Canada Guidelines for Canadian Drinking Water Quality.

3.0 Observations

No unusual odours or discoloration of the water that would indicate contamination from other agents was noted during the sampling. The water from the taps was noted to be cold when initially opened.

4.0 Sampling Methodology

The sampling protocol was designed to capture the entire water distribution system in the buildings sampled. The buildings were sampled using a Random Daytime Sampling (RDT) sampling protocol to capture typical exposures. The RDT sampling was performed by collecting two 125 mL samples in wide mouth sample bottles at a medium flow rate at each source. Refer to Appendix A for maps of sample location. To capture a worst case scenario, the samples were collected on a weekend morning with no prior flushing which allowed for a stagnation period. Two water samples were collected from each source and the lead concentration was determined by averaging the results from the two samples.

The maximum acceptable concentration (MAC) for total lead in drinking water according to the Health Canada Drinking Water Guideline is 0.005 mg/L (5 µg/L). The World Health Organization recommends that every effort should be made to reduce levels in drinking water to As Low As Reasonably Achievable (ALARA).

4.0 Results

The results of the sampling are summarized in Tables 1 to 13. The averages of various samples were determined to exceed the maximum allowable concentration of lead. Refer to Appendix B for laboratory analytical results.

Table 1: Lead Results

Sample Number	Building	Sample Location	Lead Concentration (µg/L)	Average Lead Concentration (µg/L)
5738-34A	Birch	1st Floor – Men's Washroom #135	0.47	0.23
5738-34B	Birch		<0.20	
5738-35A	Birch	1st Floor – Women's Washroom #139	0.89	0.58
5738-35B	Birch		0.26	
5738-36A	Birch	1st Floor Universal Washroom #138	2.2	1.3
5738-36B	Birch		0.53	
5738-37A	Birch	Bsmt – Costume Making 108 – Drinking Water Fixture	0.32	<0.20
5738-37B	Birch		<0.20	
5738-38A	Birch	Bsmt – Costume Making 108 – Sink Tap	0.50	0.25
5738-38B	Birch		<0.20	
5738-39A	Birch	Bsmt – Shop 107	0.87	1.8
5738-39B	Birch		2.8	
5738-40A	Birch	Bsmt – Dressing Room 010	1.5	1.1
5738-40B	Birch		0.68	
5738-41A	Birch	Bsmt – Dressing Room Washroom #012	1.6	1.1
5738-41B	Birch		0.66	
5738-42A	Birch	Bsmt – Dressing Room #007	3.4	2.3
5738-42B	Birch		1.2	
5738-43A	Birch	Bsmt – Dressing Room Washroom #008	1.7	1.1
5738-43B	Birch		0.57	
5738-44A	Birch	Bsmt – Theatre Washroom #007	0.88	0.57
5738-44B	Birch		0.26	
5738-45A	Birch	Atrium - #175 – Water Fill Sink	0.60	0.30
5738-45B	Birch		<0.20	
5738-46A	Birch	1st Floor Men's Washroom #181	1.1	0.67
5738-46B	Birch		0.21	
5738-47A	Birch	1st Floor Women's Washroom #182	0.89	0.57
5738-47B	Birch		0.25	

Notes
"<" = Less than detection limit
Bold = Maximum Acceptable Concentration (MAC) of 5 µg/L exceeded

Table 2: Lead Results

Sample Number	Building	Sample Location	Lead Concentration (µg/L)	Average Lead Concentration (µg/L)
5738-48A	Birch	1st Floor – Tim Hortons Sink	<0.20	<0.20
5738-48B	Birch		<0.20	
5738-49A	Birch	1st Floor – Subway Sink	0.42	0.35
5738-49B	Birch		0.28	
5738-50A	Birch	1st Floor – Women's Washroom #156	0.99	0.77
5738-50B	Birch		0.56	
5738-51A	Birch	1st Floor – Men's Washroom #156	1.9	1.4
5738-51B	Birch		0.95	
5738-52A	Birch	1st Floor Asian Wok #151	0.71	0.62
5738-52B	Birch		0.53	
5738-53A	Birch	1st Floor – Area #153 Large Sink	1.3	2.6
5738-53B	Birch		4.0	
5738-54A	Birch	1st Floor – Area #153 Small Sink	0.24	<0.20
5738-54B	Birch		<0.20	
5738-55A	Birch	1st Floor – Area #152	3.9	4.0
5738-55B	Birch		4.1	
5738-56A	Birch	1st Floor – Asian Kitchen #151	1.6	1.1
5738-56B	Birch		0.70	
5738-57A	Birch	1st Floor – Grill #150	2.0	3.2
5738-57B	Birch		4.4	
5738-58A	Birch	1st Floor – Pizza/Pasta #148	2.3	2.5
5738-58B	Birch		2.7	
5738-59A	Birch	1st Floor – Hot, Cold Production Area – Pot Sink	1.0	1.3
5738-59B	Birch		1.6	
5738-60A	Birch	1st Floor – North Sink	0.58	0.44
5738-60B	Birch		0.30	
5738-61A	Birch	1st Floor – South Sink	0.34	0.34
5738-61B	Birch		0.34	
5738-62A	Birch	2nd Floor – Office #250	8.8	6.2
5738-62B	Birch		3.5	
5738-63A	Birch	2nd Floor – Office #253	3.7	2.4
5738-63B	Birch		1.1	
5738-64A	Birch	2nd Floor – Office #254	**8.4**	**6.3**
5738-64B	Birch		4.1	

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Table 3: Lead Results

Sample Number	Building	Sample Location	Lead Concentration (µg/L)	Average Lead Concentration (µg/L)
5738-65A	Birch	2nd Floor – Room #257	**12**	**25**
5738-65B	Birch		**38**	
5738-66A	Birch	2nd Floor – Women's Washroom #298	1.1	0.68
5738-66B	Birch		0.25	
5738-67A	Birch	2nd Floor – Men's Washroom #297	0.72	0.53
5738-67B	Birch		0.33	
5738-68A	Birch	2nd Floor – Outside Men's Washroom #297 – Water Fountain	0.36	0.34
5738-68B	Birch		0.32	
5738-69A	Birch	2nd Floor – Outside Men's Washroom #297 – Water Bottle Fill Station	0.25	0.28
5738-69B	Birch		0.32	
5738-70A	Birch	2nd Floor – Universal Washroom #218	0.82	0.52
5738-70B	Birch		0.22	
5738-71A	Birch	3rd Floor – Women's Washroom #388	1.4	0.87
5738-71B	Birch		0.35	
5738-72A	Birch	3rd Floor – Men's Washroom #387	1.3	0.89
5738-72B	Birch		0.51	
5738-73A	Birch	3rd Floor – Outside Men's Washroom #387 – Water Fountain	0.22	0.24
5738-73B	Birch		0.26	
5738-74A	Birch	3rd Floor – Outside Men's Washroom #387 – Bottle Fill Station	0.24	0.27
5738-74B	Birch		0.31	
5738-75A	Birch	3rd Floor – Room #380 – Lab Sink	**5.8**	**6.8**
5738-75B	Birch		**7.9**	
5738-76A	Birch	3rd Floor – Room #379- Lab Sink	**6.8**	**6.9**
5738-76B	Birch		**7.0**	
5738-77A	Birch	3rd Floor – Universal Washroom #312	2.5	1.5
5738-77B	Birch		0.56	
5738-78A	Birch	4th Floor – Universal Washroom #407	2.1	1.4
5738-78B	Birch		0.66	
5738-79A	Birch	4th Floor Break Room #425	0.41	0.42
5738-79B	Birch		0.43	
5738-80A	Birch	4th Floor – Men's Washroom #480	1.6	1.0
5738-80B	Birch		0.49	

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Table 4: Lead Results

Sample Number	Building	Sample Location	Lead Concentration (µg/L)	Average Lead Concentration (µg/L)
5738-81A	Birch	4th Floor – Outside Men's Washroom #480 – Water Fountain	0.36	0.55
5738-81B	Birch		0.75	
5738-82A	Birch	4th Floor – Outside Men's Washroom #480 – Bottle Fill Station	0.56	0.62
5738-82B	Birch		0.68	
5738-83A	Birch	4th Floor – Women's Washroom #481	0.40	0.81
5738-83B	Birch		1.2	
5738-84A	Sportsplex	1st Floor – Area 100A – Water Fountain	0.47	0.37
5738-84B	Sportsplex		0.27	
5738-85A	Sportsplex	1st Floor – Area 100A – Bottle Fill Station	0.32	0.69
5738-85B	Sportsplex		1.1	
5738-86A	Sportsplex	1st Floor – Storage #107 – Water Cooler Fill Tap	**13**	**8.2**
5738-86B	Sportsplex		**3.3**	
5738-87A	Sportsplex	1st Floor – Team Room B #105	**9.0**	**7.1**
5738-87B	Sportsplex		**5.2**	
5738-88A	Sportsplex	1st Floor – Women's Washroom #109	2.0	2.1
5738-88B	Sportsplex		2.2	
5738-89A	Sportsplex	1st Floor – Female Locker Room #104	1.1	0.76
5738-89B	Sportsplex		0.42	
5738-90A	Sportsplex	1st Floor – Men's Washroom #110	1.7	2.0
5738-90B	Sportsplex		2.2	
5738-91A	Sportsplex	1st Floor – Male Locker Room #101	4.4	2.8
5738-91B	Sportsplex		1.3	
5738-92A	Sportsplex	1st Floor – Team Room A #102	4.5	2.7
5738-92B	Sportsplex		0.86	
5738-93A	Sportsplex	1st Floor – Washroom #112	**8.4**	4.8
5738-93B	Sportsplex		1.2	
5738-94A	Sportsplex	1st Floor – Room #100B – Water Fountain	0.36	<0.20
5738-94B	Sportsplex		<0.20	
5738-95A	Sportsplex	1st Floor – Room #100B – Water Bottle Fill Station	<0.20	<0.20
5738-95B	Sportsplex		<0.20	
5738-96A	Sportsplex	1st Floor – Room #111A	**10**	**6.7**
5738-96B	Sportsplex		3.5	
5738-97A	Sportsplex	1st Floor – Room 120A	0.74	0.37
5738-97B	Sportsplex		<0.20	

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Table 5: Lead Results

Sample Number	Building	Sample Location	Lead Concentration (µg/L)	Average Lead Concentration (µg/L)
5738-98A	Fitness Centre	Ground Floor – Men's Washroom #104 – Water Fountain	**6.3**	4.0
5738-98B	Fitness Centre		1.6	
5738-99A	Fitness Centre	Ground Floor – Men's Washroom #104 – Bottle Fill Station	1.4	1.3
5738-99B	Fitness Centre		1.2	
5738-100A	Fitness Centre	Ground Floor – Men's Washroom #104 – Sink	0.45	0.51
5738-100B	Fitness Centre		0.56	
5738-101A	Fitness Centre	Main Floor – Women's Washroom #113 – Water Fountain	3.1	1.8
5738-101B	Fitness Centre		0.41	
5738-102A	Fitness Centre	Main Floor – Women's Washroom #113 – Bottle Fill Station	0.52	0.49
5738-102B	Fitness Centre		0.46	
5738-103A	Fitness Centre	Main Floor – Women's Washroom #113 – Sink	0.97	1.0
5738-103B	Fitness Centre		1.1	
5738-104A	Fir	1st Floor – Hallway 100E – Water Fountain	<0.20	<0.20
5738-104B	Fir		<0.20	
5738-105A	Fir	1st Floor – Hallway 100E – Bottle Fill Station	<0.20	<0.20
5738-105B	Fir		<0.20	
5738-106A	Fir	1st Floor – Instrument Storage Room #102	4.6	4.5
5738-106B	Fir		4.4	
5738-107A	Fir	1st Floor – Music Therapy Room #119	**110**	**110**
5738-107B	Fir		**100**	
5738-108A	Fir	1st Floor – Men's Washroom #151 – Drinking Water Tap	0.33	0.54
5738-108B	Fir		0.75	
5738-109A	Fir	1st Floor – Men's Washroom #151 – Sink Tap	**17**	**9.5**
5738-109B	Fir		2.3	
5738-110A	Fir	1st Floor – Women's Washroom #152 – Drinking Water Tap	0.21	<0.20
5738-110B	Fir		<0.20	
5738-111A	Fir	1st Floor – Women's Washroom #152 – Sink Tap	0.85	0.43
5738-111B	Fir		<0.20	

Notes
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Table 6: Lead Results

Sample Number	Building	Sample Location	Lead Concentration (µg/L)	Average Lead Concentration (µg/L)
5738-112A	Fir	2nd Floor – Women's Washroom #221	1.0	0.91
5738-112B	Fir		0.79	
5738-113A	Fir	2nd Floor – Men's Washroom #220	1.6	1.6
5738-113B	Fir		1.5	
5738-114A	Fir	2nd Floor – Hallway 200C – Water Fountain	<0.20	<0.20
5738-114B	Fir		<0.20	
5738-115A	Fir	2nd Floor – Hallway 200C – Bottle Fill Station	<0.20	<0.20
5738-115B	Fir		<0.20	
5738-116A	Fir	2nd Floor – Health Lab #204 – Table Sink	0.80	1.5
5738-116B	Fir		2.1	
5738-117A	Fir	2nd Floor – Health Lab #204 – Lunchroom Sink	**6.1**	4.4
5738-117B	Fir		2.7	
5738-118A	Fir	4th Floor – Women's Washroom #472	1.4	0.70
5738-118B	Fir		<0.20	
5738-119A	Fir	4th Floor – Men's Washroom #474	0.74	0.53
5738-119B	Fir		0.31	
5738-120A	Fir	4th Floor – Rub Hallway – Water Fountain	<0.20	<0.20
5738-120B	Fir		<0.20	
5738-121A	Fir	4th Floor – Rub Hallway – Bottle Fill Station	<0.20	<0.20
5738-121B	Fir		<0.20	
5738-122A	Fir	4th Floor – Room #459	0.39	<0.20
5738-122B	Fir		<0.20	
5738-123A	Fir	4th Floor – Room #418	<0.20	<0.20
5738-123B	Fir		<0.20	
5738-124A	Fir	4th Floor – Storage #473	2.0	1.1
5738-124B	Fir		0.31	
5738-125A	Fir	5th Floor – Women's Washroom #561	1.0	0.52
5738-125B	Fir		<0.20	
5738-126A	Fir	5th Floor – Men's Washroom #560	1.1	0.71
5738-126B	Fir		0.30	
5738-127A	Fir	5th Floor – Hallway – Water Fountain	<0.20	<0.20
5738-127B	Fir		<0.20	
5738-128A	Fir	5th Floor – Hallway – Bottle Fill Station	<0.20	<0.20
5738-128B	Fir		<0.20	
5738-129A	Fir	5th Floor – Staffroom #548	3.2	1.7
5738-129B	Fir		0.30	

Noes

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Table 7: Lead Results

Sample Number	Building	Sample Location	Lead Concentration (µg/L)	Average Lead Concentration (µg/L)
5738-130A	Fir	2nd Floor – Café Wall Sink	3.6	2.1
5738-130B	Fir		0.58	
5738-131A	Fir	2nd Floor – Cade Counter Sink	0.60	0.56
5738-131B	Fir		0.52	
5738-132A	Fir	3rd Floor – Women's Washroom #332	0.94	0.93
5738-132B	Fir		0.92	
5738-133A	Fir	3rd Floor – Men's Washroom #331	1.2	0.81
5738-133B	Fir		0.40	
5738-134A	Fir	3rd Floor – Hallway – Water Fountain	<0.20	<0.20
5738-134B	Fir		<0.20	
5738-135A	Fir	3rd Floor – Hallway – Bottle Fill Station	<0.20	<0.20
5738-135B	Fir		<0.20	
5738-136A	Fir	3rd Floor – Greenhouse #301B	**130**	**91**
5738-136B	Fir		**53**	
5738-137A	Fir	3rd Floor – Biology Lab #301 – Side Sink	**110**	**110**
5738-137B	Fir		**110**	
5738-138A	Fir	3rd Floor – Biologu Lab #301 – Bench Sink	**16**	**8.7**
5738-138B	Fir		**1.5**	
5738-139A	Fir	3rd Floor – Chemical/Equipment Room #301A	**450**	**370**
5738-139B	Fir		**300**	
5738-140A	Fir	3rd Floor – Lab Prep Area #303A – Bench Sink	**5.8**	4.0
5738-140B	Fir		2.2	
5738-141A	Fir	3rd Floor – Live Animal Room/Prep Room #303B	**7.3**	4.8
5738-141B	Fir		2.3	
5738-142A	Fir	3RD Floor – Biology Room #303 – DW Lab Sink	4.9	**5.1**
5738-142B	Fir		**5.3**	
5738-143A	Fir	3rd Floor – Biology Lab #303 – Instructor's Desk Sink	**120**	**99**
5738-143B	Fir		**76**	
5738-144A	Fir	3rd Floor – Preserved Specimen Room #307	**60**	**42**
5738-144B	Fir		**24**	
5738-145A	Fir	3rd Floor – Office #309A	**13**	**6.9**
5738-145B	Fir		**1.2**	
5738-146A	Fir	3rd Floor – Biology Lab #309 – Bench Sink	**92**	**53**
5738-146B	Fir		**13**	

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Table 8: Lead Results

Sample Number	Building	Sample Location	Lead Concentration (µg/L)	Average Lead Concentration (µg/L)
5738-147A	Fir	3rd Floor – Biology Lab #309 – Instructor's Desk Sink	**19**	**11**
5738-147B	Fir		3.4	
5738-148A	Fir	3rd Floor – Physics Lab #302 – Instructors Desk Sink	**6.0**	3.5
5738-148B	Fir		0.96	
5738-149A	Fir	3rd Floor – Physics Lab #302 – Back Bench Sink	**16**	**9.6**
5738-149B	Fir		3.7	
5738-150A	Fir	3rd Floor – Physics Pre Room #302D	**13**	**9.1**
5738-150B	Fir		**5.5**	
5738-151A	Fir	3rd Floor Chem Lab #306 – Bench Sink	**39**	**44**
5738-151B	Fir		**49**	
5738-152A	Fir	3rd Floor – Chem Lab #306 – Instructor's Bench Sink	**5.6**	3.2
5738-152B	Fir		0.75	
5738-153A	Fir	3rd Floor – Prep Area Sink	**9.7**	**5.6**
5738-153B	Fir		1.5	
5738-154A	Fir	3rd Floor – Prep Area #314	**560**	**1400**
5738-154B	Fir		**2200**	
5738-155A	Fir	3rd Floor – Chem Lab #308 – Bench Sink	**15**	**46**
5738-155B	Fir		**77**	
5738-156A	Fir	3rd Floor – Chem Lab #308 – Instructor's Sink	**7.8**	4.6
5738-156B	Fir		1.5	
5738-157A	Fir	3rd Floor – Chem Lab #310 – Bench Sink	**16**	**11**
5738-157B	Fir		**7.2**	
5738-158A	Fir	3rd Floor – Chem Lab #310 – Instructor's Bench Sink	**15**	**11**
5738-158B	Fir		**7.1**	
5738-159A	Fir	3rd Floor – Storage #314C	**48**	**67**
5738-159B	Fir		**86**	
5738-160A	Cedar	1st Floor – Room #129	1.8	1.6
5738-160B	Cedar		1.3	
5738-161A	Cedar	1st Floor – Room #131	**12**	**12**
5738-161B	Cedar		**13**	

Notes
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Table 9: Lead Results

Sample Number	Building	Sample Location	Lead Concentration (µg/L)	Average Lead Concentration (µg/L)
5738-162A	Cedar	1st Floor – Women's Washroom #133 – Drinking Water Tap	0.92	0.75
5738-162B	Cedar		0.58	
5738-163A	Cedar	1st Floor – Women's Washroom #133 – Sink	1.0	1.7
5738-163B	Cedar		2.4	
5738-164A	Cedar	1st Floor – Hallway – Water Fountain	1.1	0.81
5738-164B	Cedar		0.52	
5738-165A	Cedar	1st Floor – Hallway – Bottle Fill Station	0.63	0.61
5738-165B	Cedar		0.60	
5738-166A	Cedar	1st Floor – Men's Washroom #142 – Drinking Water Tap	0.97	0.63
5738-166B	Cedar		0.29	
5738-167A	Cedar	1st Floor – Men's Washroom #142 – Sink	2.2	2.4
5738-167B	Cedar		2.7	
5738-168A	Cedar	1st Floor – Room #144 – ECE Prep	0.40	0.33
5738-168B	Cedar		0.25	
5738-169A	Cedar	2nd Floor – Men's Washroom #239 – Drinking Water Tap	3.4	2.3
5738-169B	Cedar		1.2	
5738-170A	Cedar	2nd Floor – Men's Washroom #239 – Sink	1.8	2.0
5738-170B	Cedar		2.2	
5738-171A	Cedar	2nd Floor – Class Room #238	**11**	**7.5**
5738-171B	Cedar		3.7	
5738-172A	Cedar	2nd Floor – Geography Prep Room #241	**18**	**10**
5738-172B	Cedar		2.9	
5738-173A	Cedar	2nd Floor – Geology Prep Area #236	**1500**	**750**
5738-173B	Cedar		**35**	
5738-174A	Cedar	2nd Floor – Hallway – Drinking Fountain	0.77	0.49
5738-174B	Cedar		0.21	
5738-175A	Cedar	2nd Floor – Hallway – Bottle Fill Station	0.28	<0.20
5738-175B	Cedar		<0.20	
5738-176A	Cedar	2nd Floor – Women's Washroom #230 – Drinking Fountain	1.1	0.92
5738-176B	Cedar		0.76	
5738-177A	Cedar	2nd Floor – Women's Washroom #230	2.0	1.7
5738-177B	Cedar		1.3	

Noes
"<" = Less than detection limit
Bold = Maximum Acceptable Concentration (MAC) of 5 µg/L exceeded

Table 10: Lead Results

Sample Number	Building	Sample Location	Lead Concentration (µg/L)	Average Lead Concentration (µg/L)
5738-178A	Cedar	2nd Floor – Anthropology Lab #228	**8.3**	**5.0**
5738-178B	Cedar		1.8	
5738-179A	Cedar	3rd Floor – Men's Washroom #332 – Drinking Water Tap	0.82	0.60
5738-179B	Cedar		0.39	
5738-180A	Cedar	3rd Floor – Men's Washroom #332 – Sink	0.86	0.67
5738-180B	Cedar		0.48	
5738-181A	Cedar	3rd Floor – Hallway – Water Fountain	2.0	1.3
5738-181B	Cedar		0.52	
5738-182A	Cedar	3rd Floor – Hallway – Bottle Fill Station	0.60	0.54
5738-182B	Cedar		0.49	
5738-183A	Cedar	3rd Floor – Washroom #331	1.7	1.2
5738-183B	Cedar		0.76	
5738-184A	Cedar	3rd Floor – Women's Washroom #357 – Drinking Tap	2.1	-
5738-184B	Cedar		-	
5738-185A	Cedar	3rd Floor – Women's Washroom #357 – Sink	3.4	2.1
5738-185B	Cedar		0.82	
5738-186A	Cedar	3rd Floor – Staff Room Storage #350	4.6	3.5
5738-186B	Cedar		2.5	
5738-187A	Cedar	3rd Floor – Storage Copy Room #339	**13**	**18**
5738-187B	Cedar		**23**	
5738-190A	Arbutus	1st Floor – All Gender Washroom #009	1.3	1.5
5738-190B	Arbutus		1.7	
5738-191A	Arbutus	1st Floor – Women's Washroom #028	0.60	0.76
5738-191B	Arbutus		0.93	
5738-192A	Arbutus	1st Floor – Men's Washroom #029	0.95	0.86
5738-192B	Arbutus		0.77	
5738-193A	Arbutus	1st Floor – Hallway – Water Fountain	0.31	0.43
5738-193B	Arbutus		0.55	
5738-194A	Arbutus	1st Floor – Hallway – Bottle Fill Station	0.43	0.36
5738-194B	Arbutus		0.28	
5738-195A	Arbutus	1st Floor – First Aid Room #016	**15**	**8.7**
5738-195B	Arbutus		2.0	

Notes
"<" = Less than detection limit
Bold = Maximum Acceptable Concentration (MAC) of 5 µg/L exceeded

Table 11: Lead Results

Sample Number	Building	Sample Location	Lead Concentration (µg/L)	Average Lead Concentration (µg/L)
5738-196A	Arbutus	1st Floor – Print Room #034	0.89	3.8
5738-196B	Arbutus		**6.7**	
5738-197A	Arbutus	1st Floor – Theatre Dressing Room #003	**5.4**	**8.5**
5738-197B	Arbutus		**12**	
5738-198A	Arbutus	Main Floor – Women's Washroom #128	0.38	0.35
5738-198B	Arbutus		0.32	
5738-199A	Arbutus	Main Floor – Women's Washroom #129	1.1	1.3
5738-199B	Arbutus		1.6	
5738-200A	Arbutus	Main Floor – Hallway – Water Fountain	<0.20	0.27
5738-200B	Arbutus		0.55	
5738-201A	Arbutus	Main Floor – Hallway – Bottle Fill Station	<0.20	<0.20
5738-201B	Arbutus		<0.20	
5738-202A	Arbutus	Main Floor – Break Room #120D	0.25	0.28
5738-202B	Arbutus		0.31	
5738-203A	Arbutus	2nd Floor – Women's Washroom #210	0.62	0.62
5738-203B	Arbutus		0.62	
5738-204A	Arbutus	2nd Floor – Men's Washroom #211	0.87	0.79
5738-204B	Arbutus		0.71	
5738-205A	Arbutus	2nd Floor – Work Room #205	**89**	**100**
5738-205B	Arbutus		**110**	
5738-206A	Arbutus	2nd Floor – Surface Design Lab #201 – 1st Sink	4.1	4.6
5738-206B	Arbutus		**5.1**	
5738-207A	Arbutus	2nd Floor – Surface Design Lab #201 – 2nd Sink	3.5	2.3
5738-207B	Arbutus		1.1	
5738-208A	Arbutus	2nd Floor – Classroom #206	**15**	**8.6**
5738-208B	Arbutus		2.3	
5738-209A	Arbutus	3rd Floor – Women's Washroom #327	0.63	0.65
5738-209B	Arbutus		0.68	
5738-210A	Arbutus	3rd Floor – Men's Washroom #326	0.76	0.65
5738-210B	Arbutus		0.55	
5738-211A	Arbutus	3rd Floor – Hallway – Water Fountain	0.64	1.9
5738-211B	Arbutus		3.2	
5738-212A	Arbutus	3rd Floor – Hallway – Bottle Fill Station	0.65	0.71
5738-212B	Arbutus		0.76	

Notes
"<" = Less than detection limit
Bold = Maximum Acceptable Concentration (MAC) of 5 µg/L exceeded

Table 12: Lead Results

Sample Number	Building	Sample Location	Lead Concentration (µg/L)	Average Lead Concentration (µg/L)
5738-213A	Arbutus	3rd Floor – Graphic Design & Illustration Studio	1.6	2.2
5738-213B	Arbutus		2.8	
5738-214A	Library	1st Floor – CSU Lounge #195	<0.20	<0.20
5738-214B	Library		<0.20	
5738-215A	Library	1st Floor – Office #196C	0.48	0.43
5738-215B	Library		0.38	
5738-216A	Library	1st Floor – Women's Washroom #122 – Water Tap	0.67	0.47
5738-216B	Library		0.26	
5738-217A	Library	1st Floor – Women's Washroom #122 – Sink	3.9	2.5
5738-217B	Library		1.1	
5738-218A	Library	1st Floor – Men's Washroom #120	**13**	**7.6**
5738-218B	Library		2.1	
5738-219A	Library	1st Floor – Hallway – Water Fountain	0.24	<0.20
5738-219B	Library		<0.20	
5738-220A	Library	1st Floor –Hallway – Bottle Fill Station	<0.20	<0.20
5738-220B	Library		<0.20	
5738-221A	Library	1st Floor – Staff Room #112E	0.38	0.54
5738-221B	Library		0.71	
5738-222A	Library	2nd Floor – Men's Washroom #210	0.63	0.50
5738-222B	Library		0.37	
5738-223A	Library	2nd Floor – Men's Washroom #210	0.79	0.76
5738-223B	Library		0.74	
5738-224A	Library	2nd Floor – Water Fountain	0.37	<0.20
5738-224B	Library		<0.20	
5738-225A	Library	2nd Floor – Bottle Fill Station	<0.20	<0.20
5738-225B	Library		<0.20	
5738-226A	Library	2nd Floor – Women's Washroom #209	0.37	0.41
5738-226B	Library		0.44	
5738-227A	Library	3rd Floor – Men's Washroom #313 – 1st Sink	<0.20	0.25
5738-227B	Library		0.49	
5738-228A	Library	3rd Floor – Men's Washroom #313 – Middle Sink	<0.20	0.37
5738-228B	Library		0.74	

Notes
"<" = Less than detection limit
Bold = Maximum Acceptable Concentration (MAC) of 5 µg/L exceeded

Table 13: Lead Results

Sample Number	Building	Sample Location	Lead Concentration (µg/L)	Average Lead Concentration (µg/L)
5738-229A	Library	3rd Floor – Hallway – Water Fountain	1.7	1.0
5738-229B	Library		0.36	
5738-230A	Library	3rd Floor – Hallway – Bottle Fill Station	0.30	0.31
5738-230B	Library		0.33	
5738-231A	Library	3rd Floor – Women's Washroom #312 – 1st Sink	0.41	0.21
5738-231B	Library		<0.20	
5738-232A	Library	3rd Floor – Women's Washroom #312 – Middle Sink	1.1	0.56
5738-232B	Library		<0.20	
5738-233A	Library	3rd Floor – Kitchen #323	1.6	**13**
5738-233B	Library		**24**	

Notes
"<" = Less than detection limit
Bold = Maximum Acceptable Concentration (MAC) of 5 µg/L exceeded

5.0 Conclusions & Recommendations

The results of the water sample showed the multiple sample locations to have elevated levels of lead in water. These exceedances in the MAC must be investigated and followed by the appropriate corrective action. The drinking water sources where elevated lead levels have been found should immediately be put out of service. Building should be marked with a "Do not drink from tap" signage to alert the users and prevent them from using the water for cooking or drinking use. Hand washing does not pose a risk of exposure to lead because lead in water is not readily absorbed through the human skin via dermal exposure.

It must be noted that municipal treatment of water to remove lead may not be the most effective strategy because lead is most likely released from corrosion in the distribution and plumbing systems. Moreover, treatment technologies can change the water quality parameters that impact lead release thereby increasing lead in drinking water. Hence, long term strategies to mitigate exposure to lead at the sources determined to have elevated lead concentrations must focus on controlling corrosion within the water distribution and plumbing system. The following are additional recommendations based on the sample results:

- Service lines, solders and fittings may contain lead, thereby leaching it into the water due to corrosion of these systems. These systems must be inspected and remediated in accordance with the Government of Canada Guidance on Controlling Corrosion in Drinking Water Distribution Systems.
- Many studies have determined drinking water fountains and faucets to be the major contributors of elevated lead concentrations in non-residential buildings. Hence, identifying and replacing problematic components with non-leaded ones is the most effective mitigation strategy.
- It is unlikely that the service line for the buildings where elevated lead levels were identified is made from lead because in that case, other sources of water in those buildings would also show elevated lead levels. However, it should be confirmed whether the service line that connects the building to the water main is made from lead. Replace lead service lines with non-leaded service lines as required.
- In schools and large buildings, flushing of the cold water tap has not been found to sufficiently reduce lead exposure. To determine whether flushing would be a useful mechanism, full flush samples can be collected and compared against the no flush samples at the sources identified to have elevated lead concentration.

Health Canada Guideline of Drinking Water Quality recommends that the total lead in schools and daycares be monitored at least once a year at each of the drinking water fountains or cold water taps where water may be used for drinking or food preparation. If lead issues have been identified and remediated, the monitoring schedule can be reduced.

6.0 Limitations

This report has been prepared in accordance with established Industrial Hygiene practices. It is intended for the exclusive use of the client to assist with complying with the current accepted industry guidelines for the assessment and remediation of lead. The use of this document for any other purposes is at the sole risk of the user.

We thank you for having Kinetic OHS Services conduct this work for you. Should you have any questions, please contact us at your earliest convenience.

Sincerely,

Kinetic OHS Services Ltd.

Aneet Bains, MSc (Occ. Hygiene)
Industrial Hygienist
Site Investigation & Report
Email: aneet@kineticohs.com
Cell: 604-832-0343

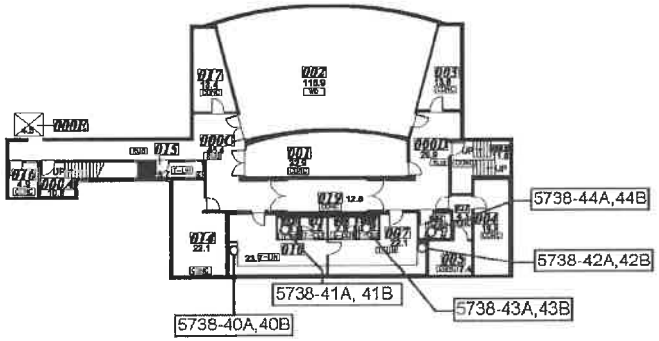
File Reference: 5738-AB-R3 - Capilano University Birch & Sportsplex - Lead Water Sampling

Appendix A – Maps of Sample Locations

BIRCH BUILDING

CAPILANO UNIVERSITY | 2055 PURCELL WAY
NORTH VANCOUVER, BC
CANADA V7J 3H5

AREA PLAN
Revised: April 2017
Scale 1:296 (17"x11")



FLOOR COVERINGS

CPT	CARPET
T-CPT	CARPET TILE
T-CER	CERAMIC TILE
CONC	CONCRETE
LIN	LINOLEUM
T-LIN	LINOLEUM TILE
NORA	NORA
RUB	RUBBER
WD	WOOD

BIRCH BUILDING | BASEMENT

0 5 10 15 20 m

CAPILANO UNIVERSITY

2055 PURCELL WAY
NORTH VANCOUVER, BC
CANADA V7J 3H5

AREA PLAN
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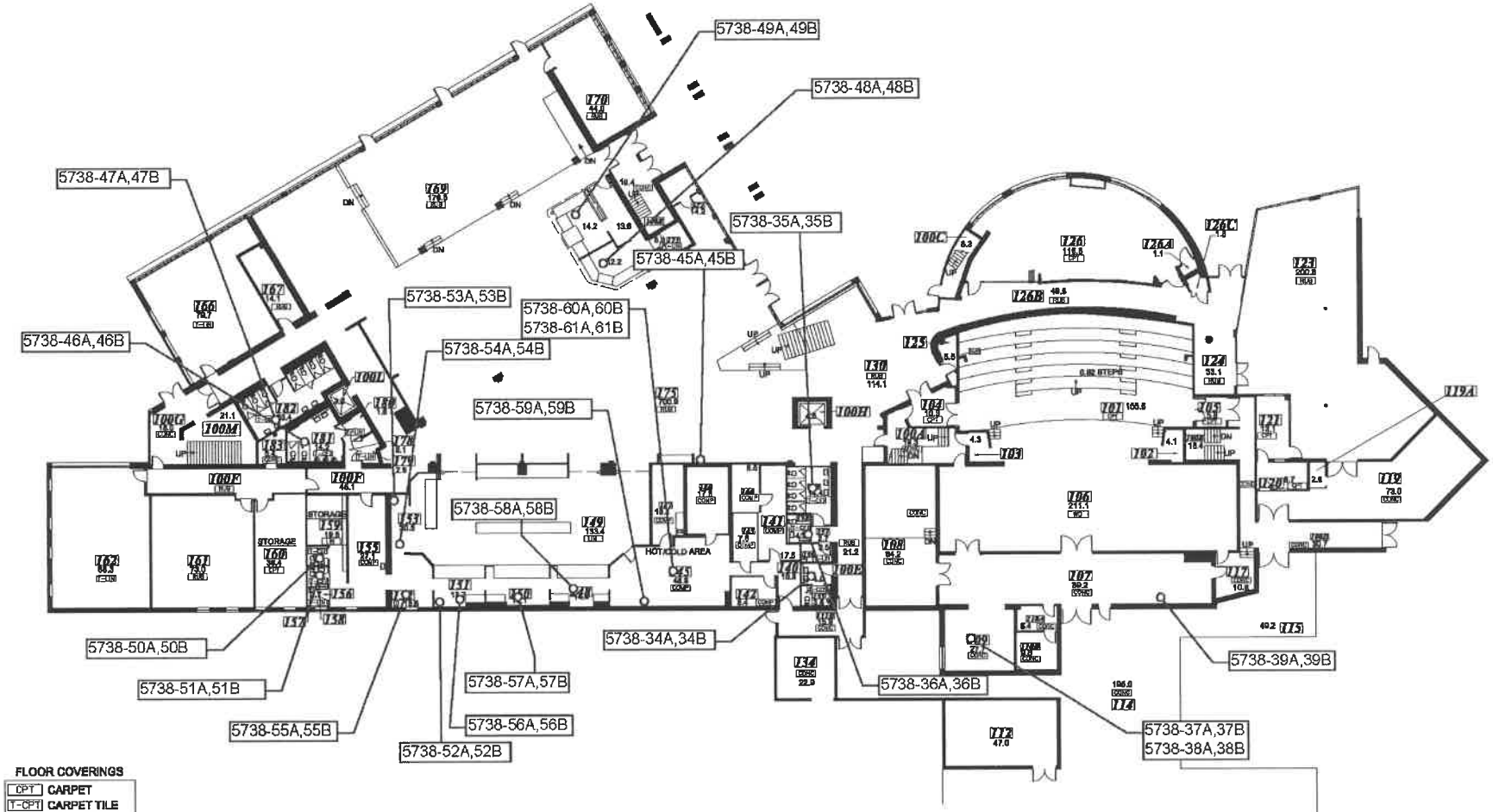

FLOOR COVERINGS

CPT	CARPET
T-CPT	CARPET TILE
T-CER	CERAMIC TILE
CONC	CONCRETE
LIN	LINOLEUM
T-LIN	LINOLEUM TILE
NORA	NORA
RUB	RUBBER
WD	WOOD

BIRCH BUILDING | FIRST FLOOR

0 5 10 15 20 m

CAPILANO UNIVERSITY

2055 PURCELL WAY
NORTH VANCOUVER, BC
CANADA V7J 3H5

AREA PLAN
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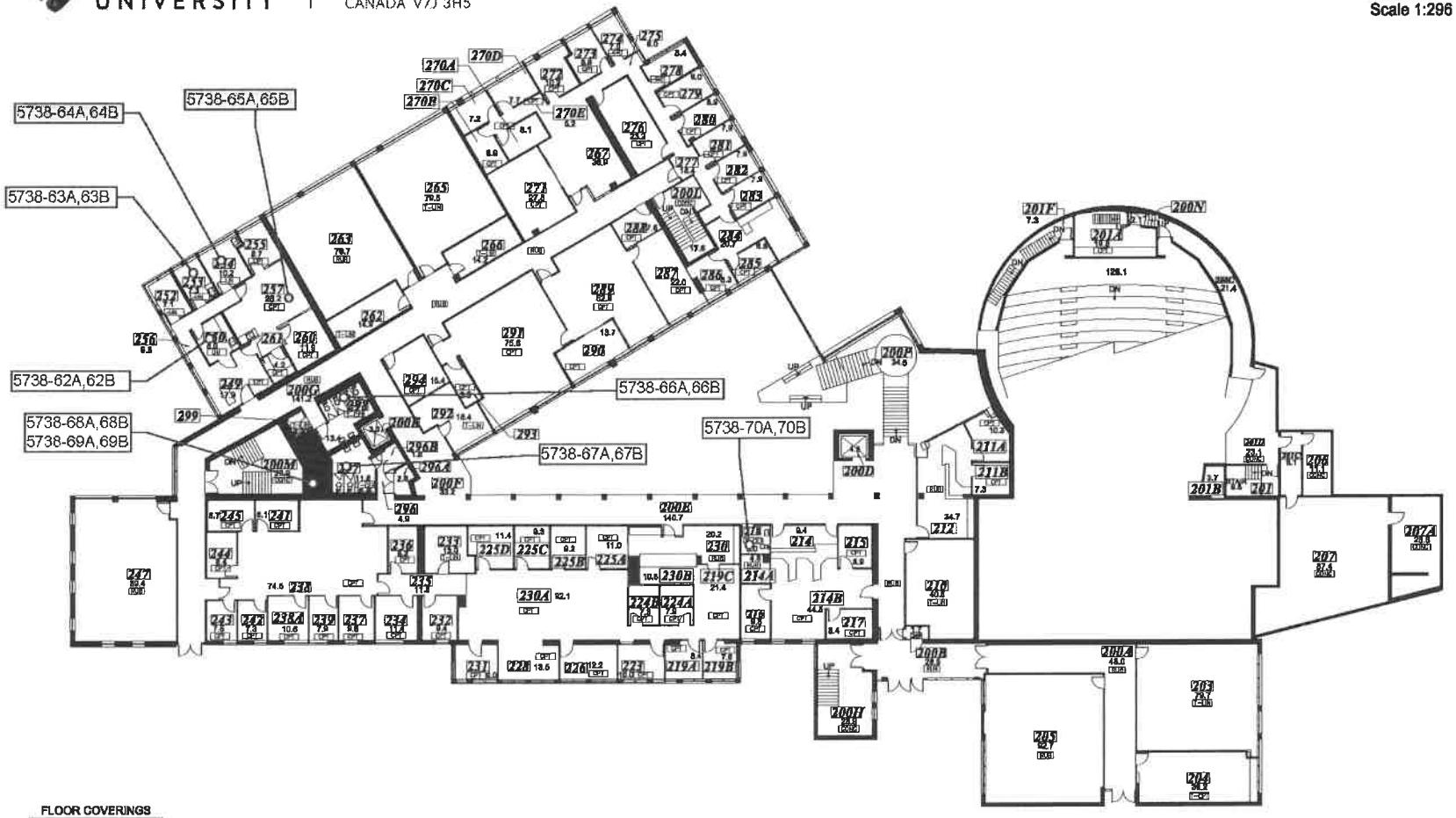
Scale 1:296 (17"×11")



FLOOR COVERINGS

CPT	CARPET
T-CPT	CARPET TILE
T-CER	CERAMIC TILE
CONC	CONCRETE
LIN	LINOLEUM
T-LIN	LINOLEUM TILE
NORA	NORA
RUB	RUBBER
WD	WOOD

BIRCH BUILDING | SECOND FLOOR

0 5 10 15 20 m

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2055 PURCELL WAY
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CANADA V7J 3H5

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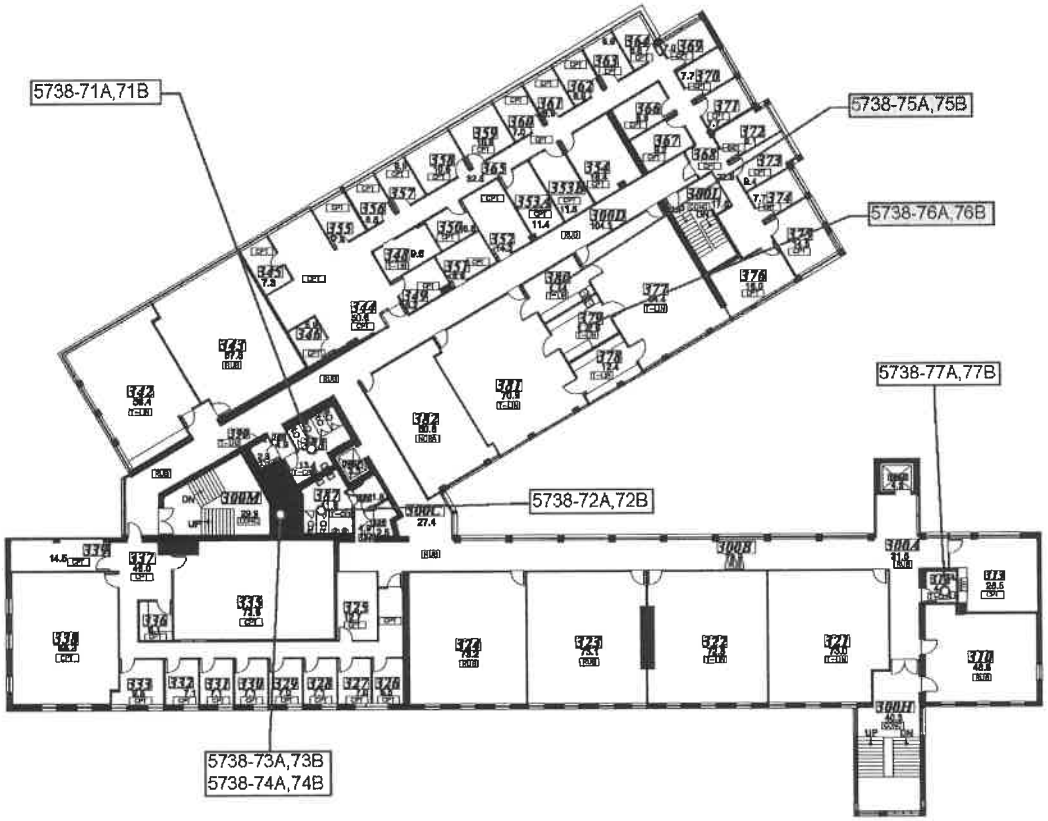
Scale 1:296 (17"×11")



FLOOR COVERINGS

CPT	CARPET
T-CPT	CARPET TILE
T-CER	CERAMIC TILE
CONC	CONCRETE
LIN	LINOLEUM
T-LIN	LINOLEUM TILE
NORA	NORA
RUB	RUBBER
WD	WOOD

BIRCH BUILDING | THIRD FLOOR

0 5 10 15 20 m

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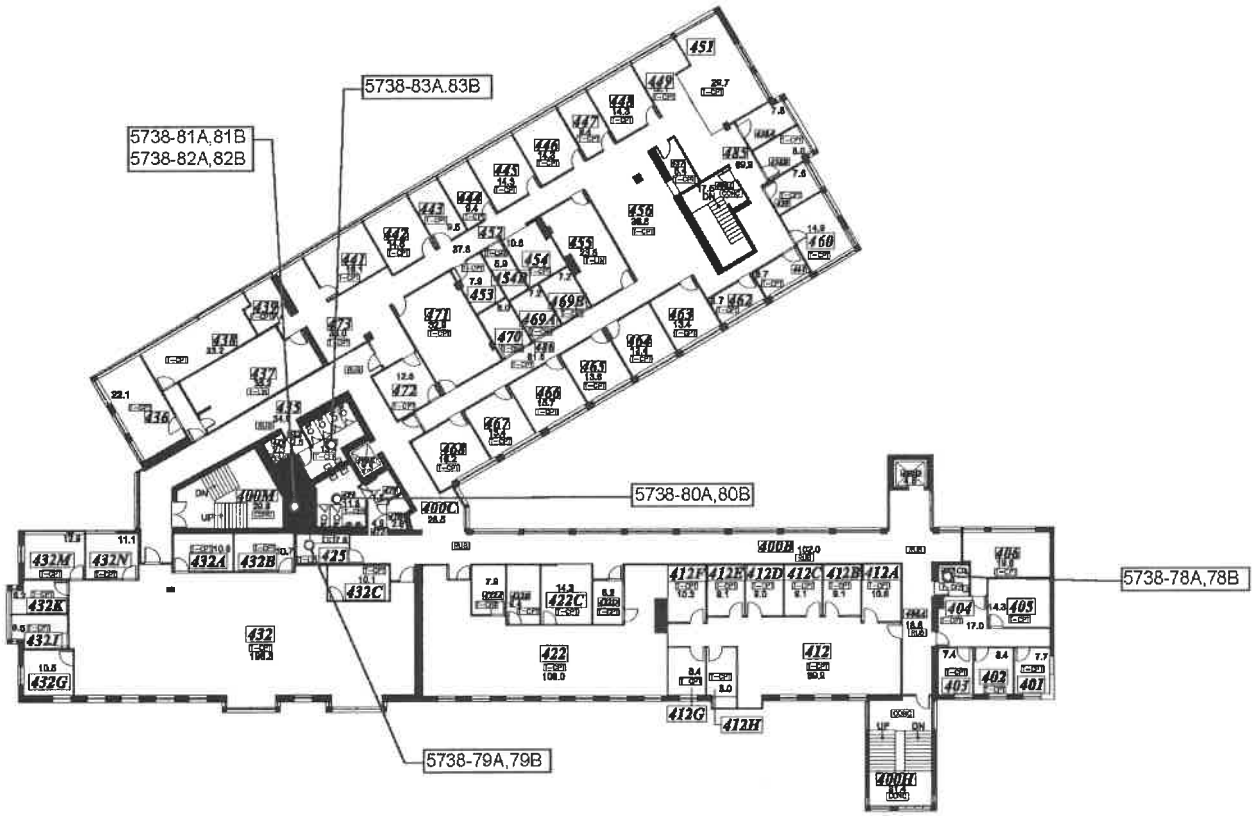

FLOOR COVERINGS

CPT	CARPET
T-CPT	CARPET TILE
T-CER	CERAMIC TILE
CONC	CONCRETE
LIN	LINOLEUM
T-LIN	LINOLEUM TILE
NORA	NORA
RUB	RUBBER
WD	WOOD

BIRCH BUILDING | FOURTH FLOOR

0 5 10 15 20 m

SPORTSPEX BUILDING

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NORTH VANCOUVER, BC
CANADA V7J 3H5

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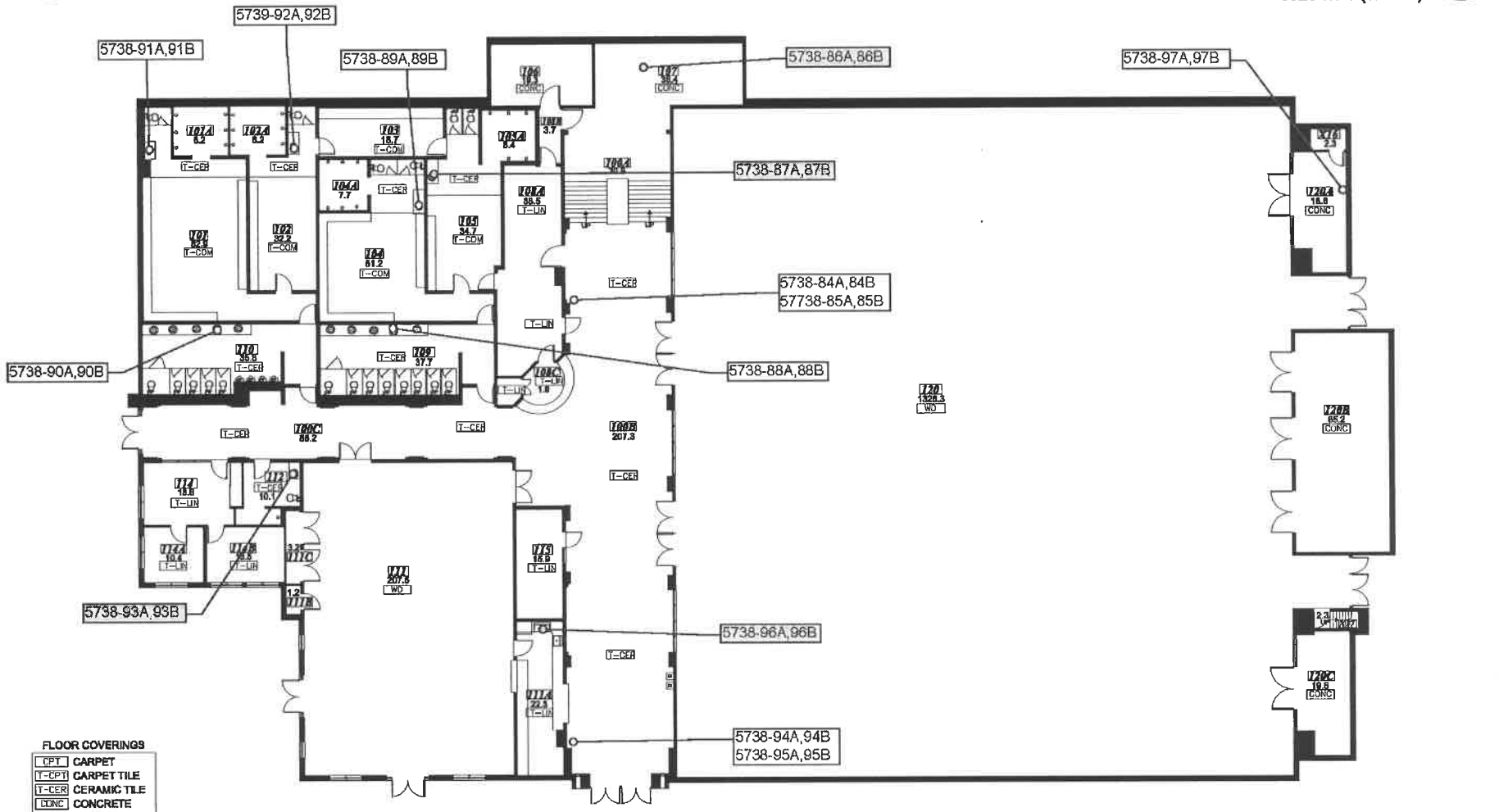

FLOOR COVERINGS

CPT	CARPET
T-CPT	CARPET TILE
T-CER	CERAMIC TILE
CONC	CONCRETE
LIN	LINOLEUM
T-LIN	LINOLEUM TILE
NORA	NORA
RUB	RUBBER
WD	WOOD

SPORTSPLEX BUILDING | FIRST FLOOR

0 5 10 15 20 m

FITNESS CENTER

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NORTH VANCOUVER, BC
CANADA V7J 3H5

FLOOR PLAN
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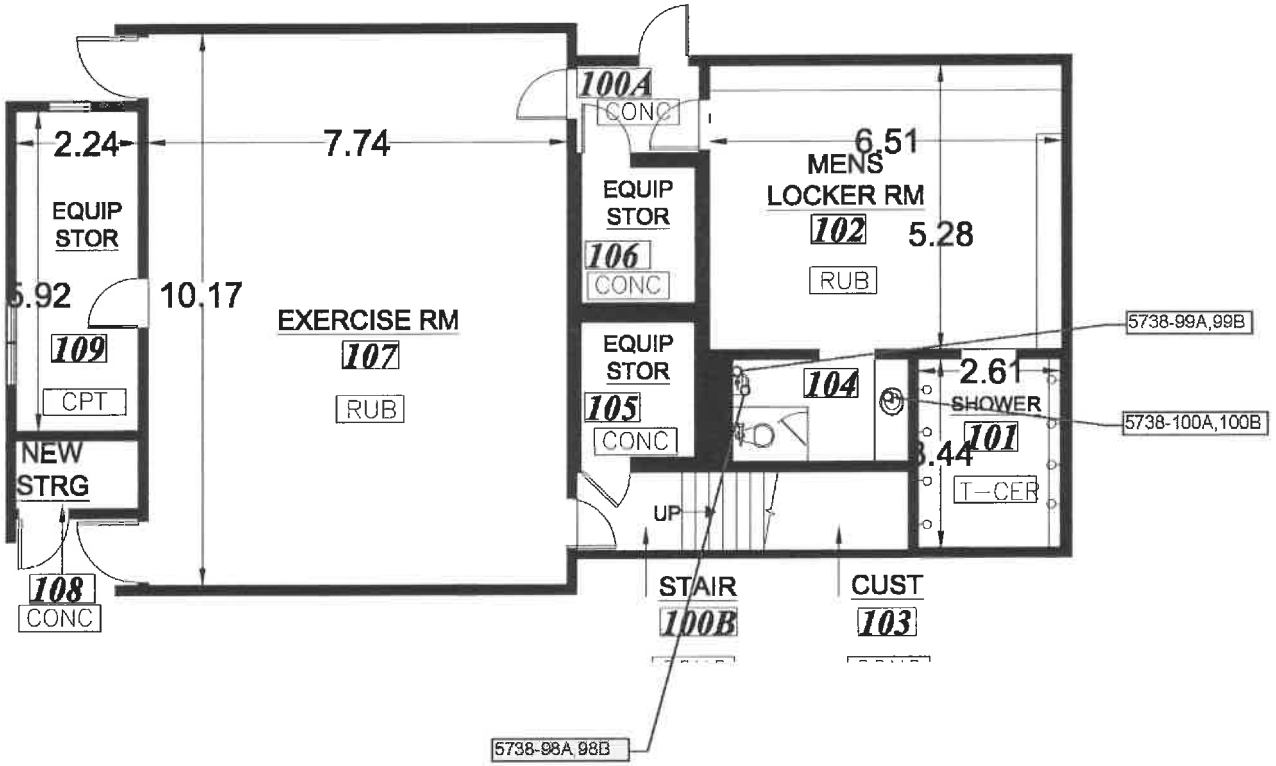
Scale 1:78 (17"×11")



0 5 m

FITNESS CENTRE BUILDING | GROUND FLOOR

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NORTH VANCOUVER, BC
CANADA V7J 3H5

FLOOR PLAN
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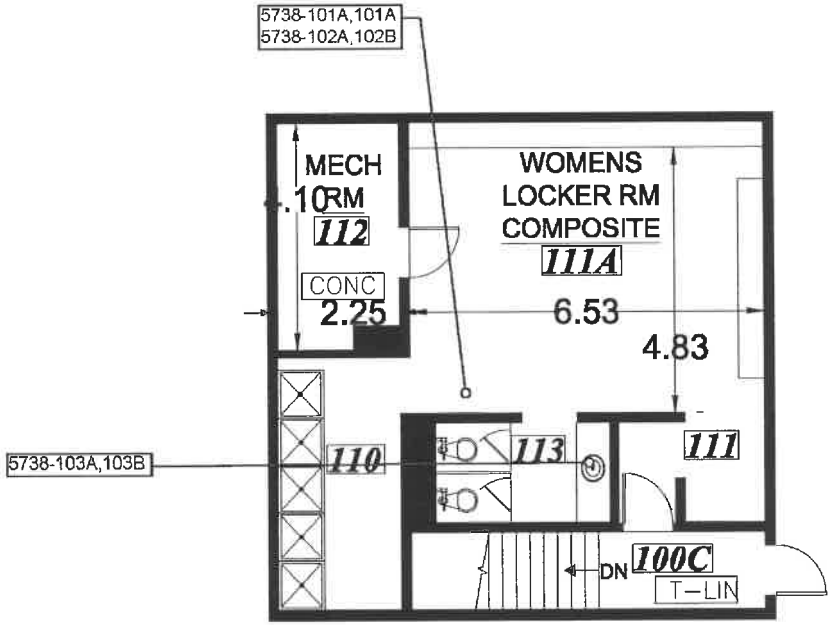
Scale 1:78 (17"×11")



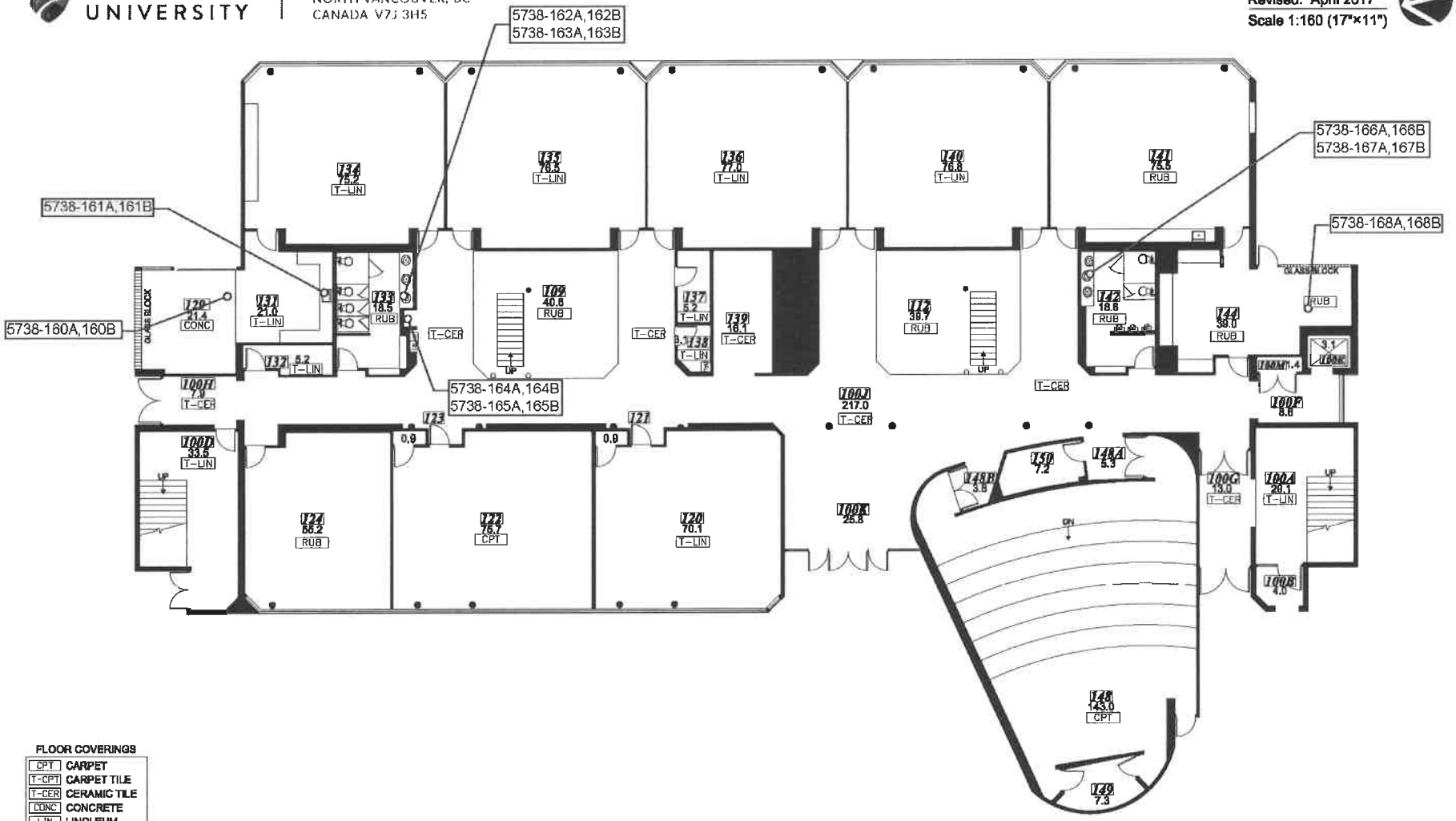
FITNESS CENTRE BUILDING | MAIN FLOOR

0 5 m

CEDAR BUILDING

CAPILANO UNIVERSITY | 2055 PURCELL WAY NORTH VANCOUVER, BC CANADA V7J 3H5

AREA PLAN
Revised: April 2017
Scale 1:160 (17"×11")



FLOOR COVERINGS

CPT	CARPET
T-CPT	CARPET TILE
T-CER	CERAMIC TILE
CONC	CONCRETE
LIN	LINOLEUM
T-LIN	LINOLEUM TILE
NORA	NORA
RUB	RUBBER
WD	WOOD

CEDAR BUILDING | FIRST FLOOR

0 5 10 15 20 m

CAPILANO UNIVERSITY

2055 PURCELL WAY
NORTH VANCOUVER, BC
CANADA V7J 3H5

AREA PLAN
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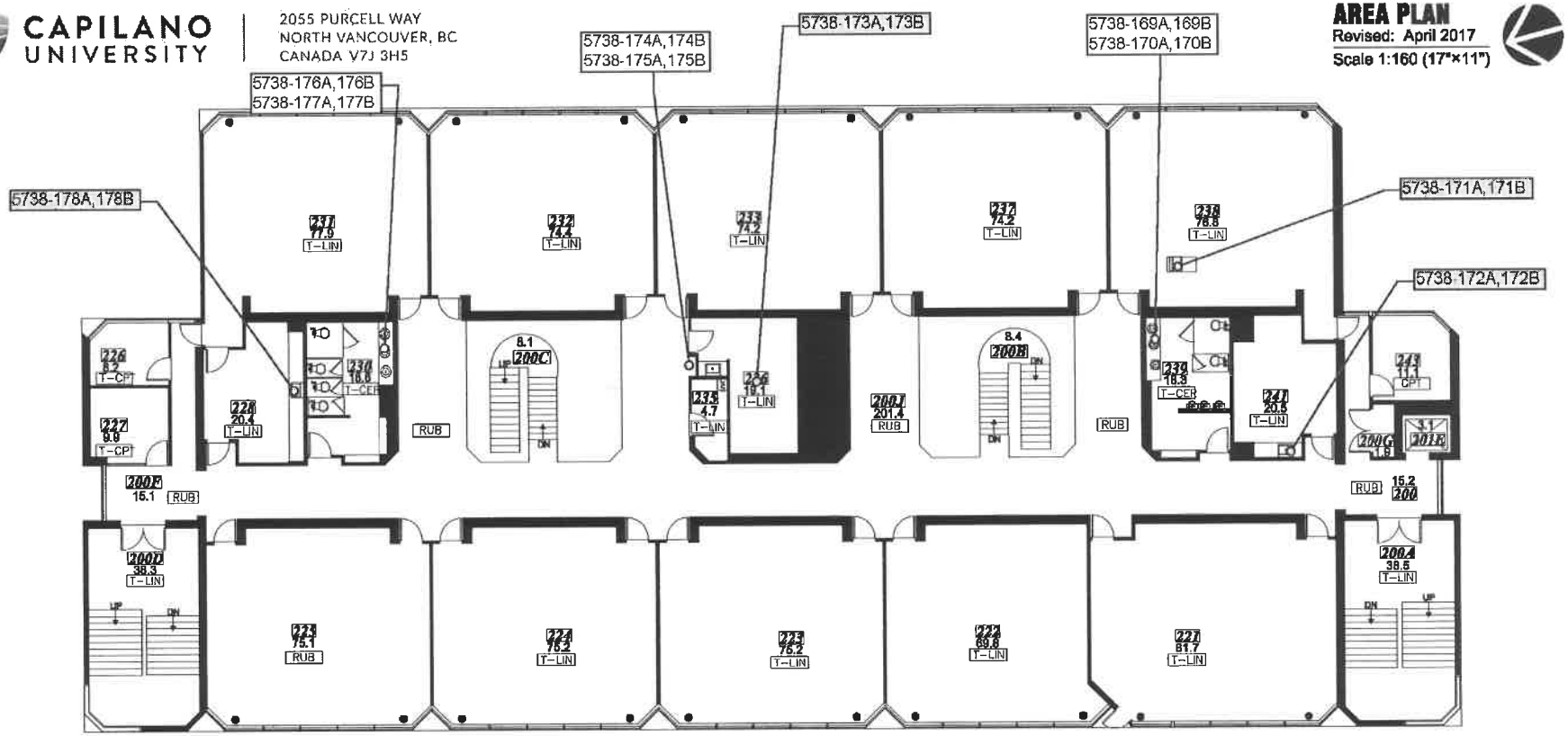
Scale 1:160 (17"×11")



FLOOR COVERINGS

CPT	CARPET
T-CPT	CARPET TILE
T-CER	CERAMIC TILE
CONC	CONCRETE
LIN	LINOLEUM
T-LIN	LINOLEUM TILE
NORA	NORA
RUB	RUBBER
WD	WOOD

CEDAR BUILDING | SECOND FLOOR

0 5 10 15 20 m

CAPILANO UNIVERSITY

2055 PURCELL WAY
NORTH VANCOUVER, BC
CANADA V7J 3H5

AREA PLAN
Revised: April 2017
Scale 1:160 (17"×11")

FLOOR COVERINGS

CPT	CARPET
T-CPT	CARPET TILE
T-CER	CERAMIC TILE
CONC	CONCRETE
LIN	LINOLEUM
T-LIN	LINOLEUM TILE
NORA	NORA
RUB	RUBBER
WD	WOOD

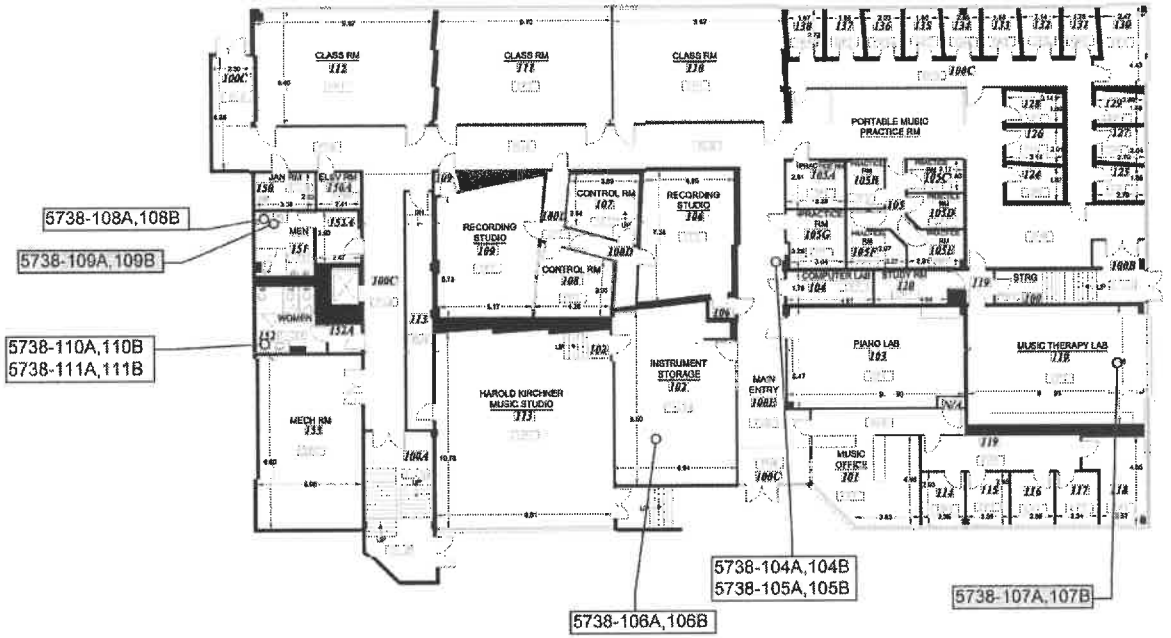
CEDAR BUILDING | THIRD FLOOR

0 5 10 15 20 m

FIR BUILDING

CAPILANO UNIVERSITY | 2055 PURCELL WAY
NORTH VANCOUVER, BC
CANADA V7J 3H5

FLOOR PLAN
Revised: Dec. 2016
Scale 1:240 (17"×11")



FLOOR COVERINGS
- CARPET
- CARPET TILE
- CERAMIC TILE
- CONCRETE
- LINOLEUM
- LINOLEUM TILE
- NORA
- RUBBER
- WOOD

FIR BUILDING | FIRST FLOOR

0 5 10 15 20 m

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2055 PURCELL WAY
NORTH VANCOUVER, BC
CANADA V7J 3H5

FLOOR PLAN
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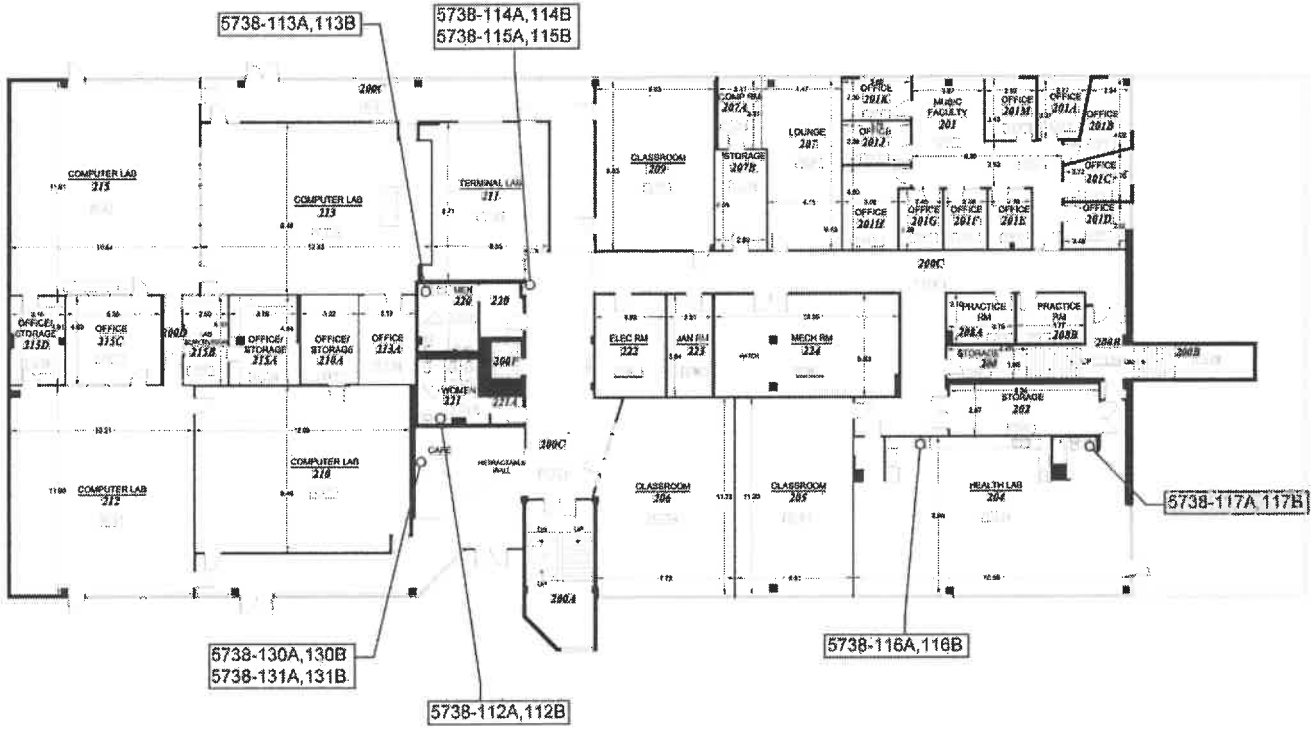
Scale 1:240 (17"×11")



FLOOR COVERINGS
- CARPET
- CARPET TILE
- CERAMIC TILE
- CONCRETE
- LINOLEUM
- LINOLEUM TILE
- NORA
- RUBBER
- WOOD

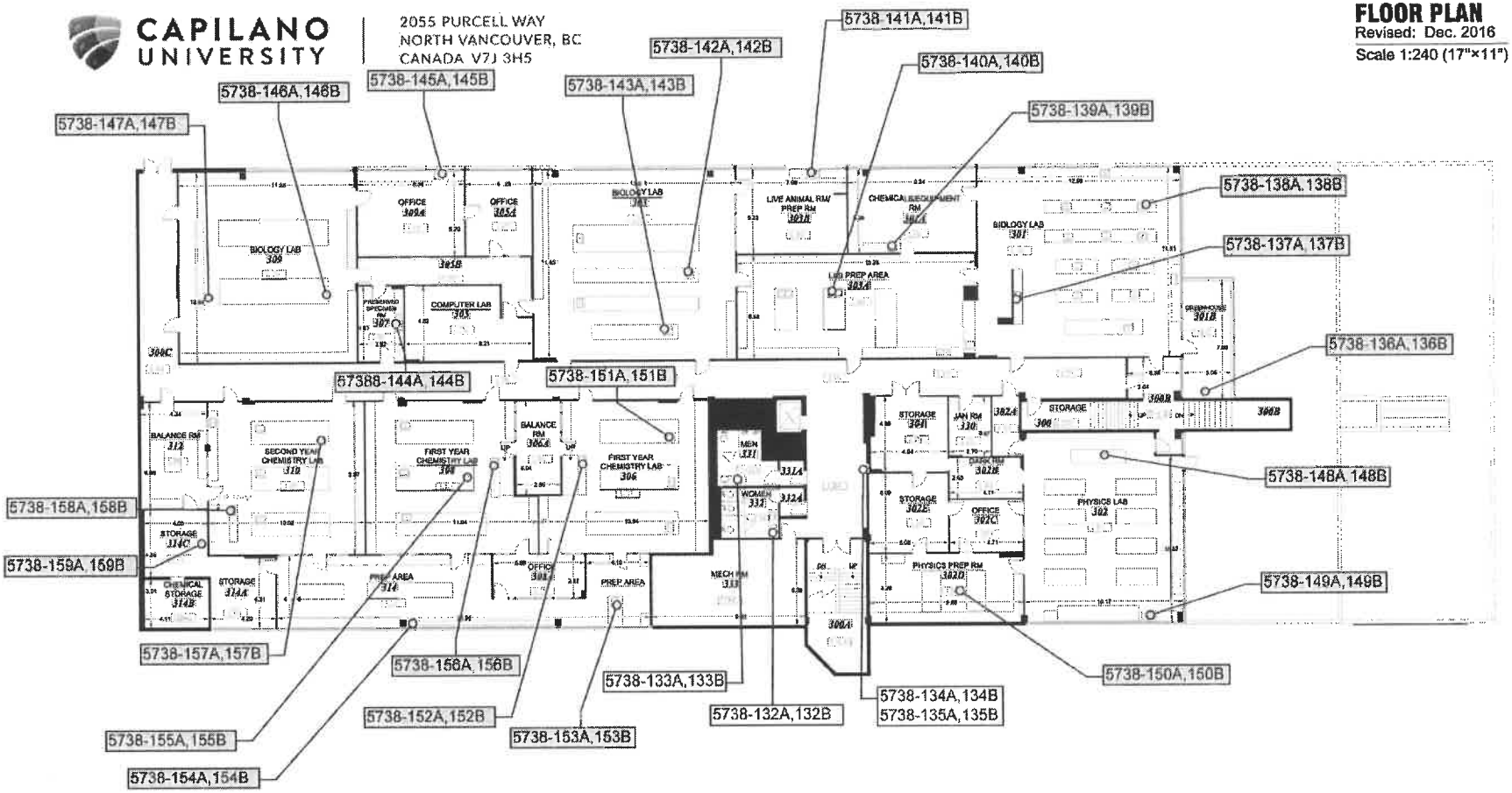
FIR BUILDING | SECOND FLOOR

0 5 10 15 20 m

CAPILANO UNIVERSITY

2055 PURCELL WAY
NORTH VANCOUVER, BC
CANADA V7J 3H5

FLOOR PLAN
Revised: Dec. 2016
Scale 1:240 (17"×11")



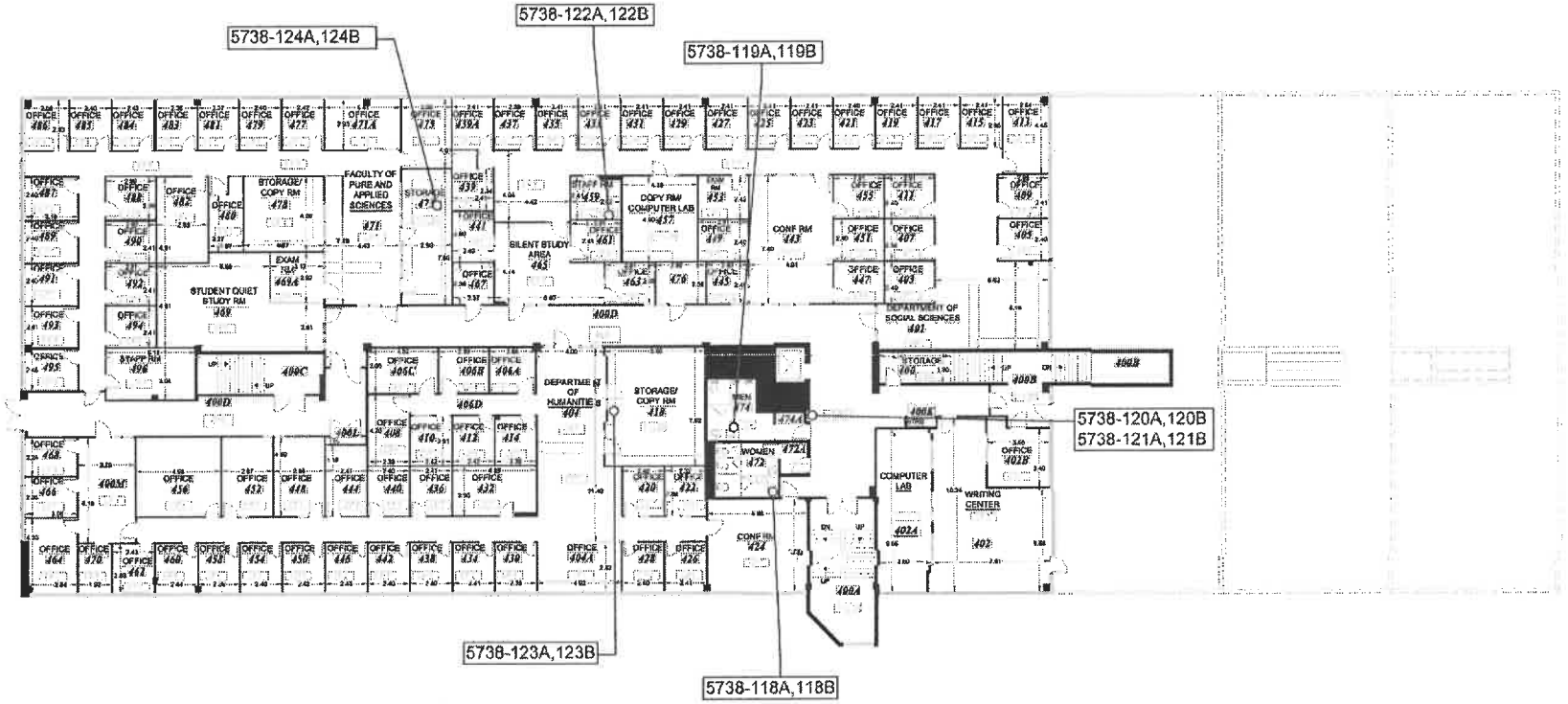
FIR BUILDING | THIRD FLOOR

0 5 10 15 20 m

CAPILANO UNIVERSITY

2055 PURCELL WAY
NORTH VANCOUVER, BC
CANADA V7J 3H5

FLOOR PLAN
Revised: Dec. 2016
Scale 1:240 (17"×11")



FLOOR COVERINGS
- CARPET
- CARPET TILE
- CERAMIC TILE
- CONCRETE
- LINOLEUM
- LINOLEUM TILE
- NORA
- RUBBER
- WOOD

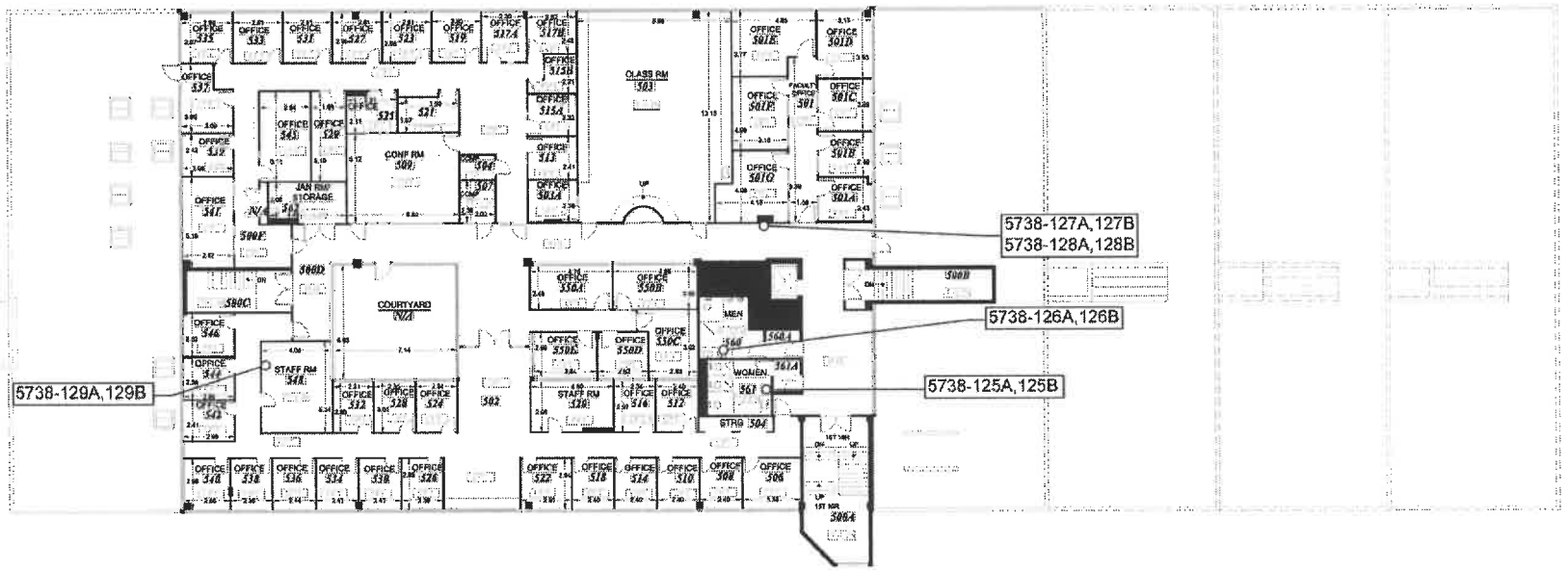
FIR BUILDING | FOURTH FLOOR

0 5 10 15 20 m

CAPILANO UNIVERSITY

2055 PURCELL WAY
NORTH VANCOUVER, BC
CANADA V7J 3H5

FLOOR PLAN
Revised: Dec. 2016
Scale 1:240 (17"×11")



FLOOR COVERINGS
- CARPET
- CARPET TILE
- CERAMIC TILE
- CONCRETE
- LINOLEUM
- LINOLEUM TILE
- NORA
- RUBBER
- WOOD

FIR BUILDING | FIFTH FLOOR

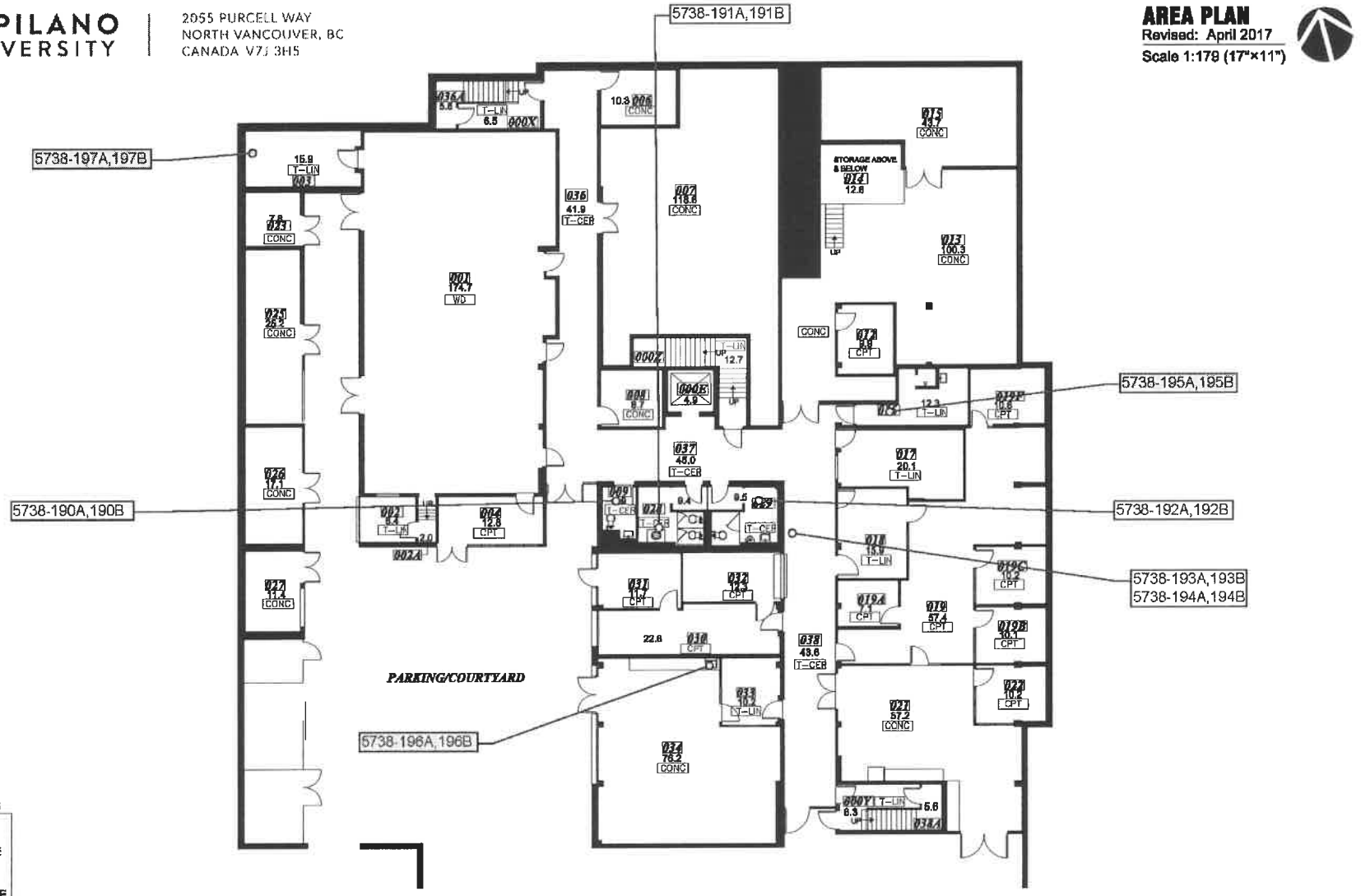
0 5 10 15 20 m

ARBUTUS

CAPILANO UNIVERSITY

2055 PURCELL WAY
NORTH VANCOUVER, BC
CANADA V7J 3H5

AREA PLAN
Revised: April 2017
Scale 1:179 (17"×11")



FLOOR COVERINGS

CPT	CARPET
T-CPT	CARPET TILE
T-CER	CERAMIC TILE
CONC	CONCRETE
LIN	LINOLEUM
T-LIN	LINOLEUM TILE
NORA	NORA
RUB	RUBBER
WD	WOOD

ARBUTUS BUILDING | GROUND FLOOR

0 5 10 15 20 m

CAPILANO UNIVERSITY

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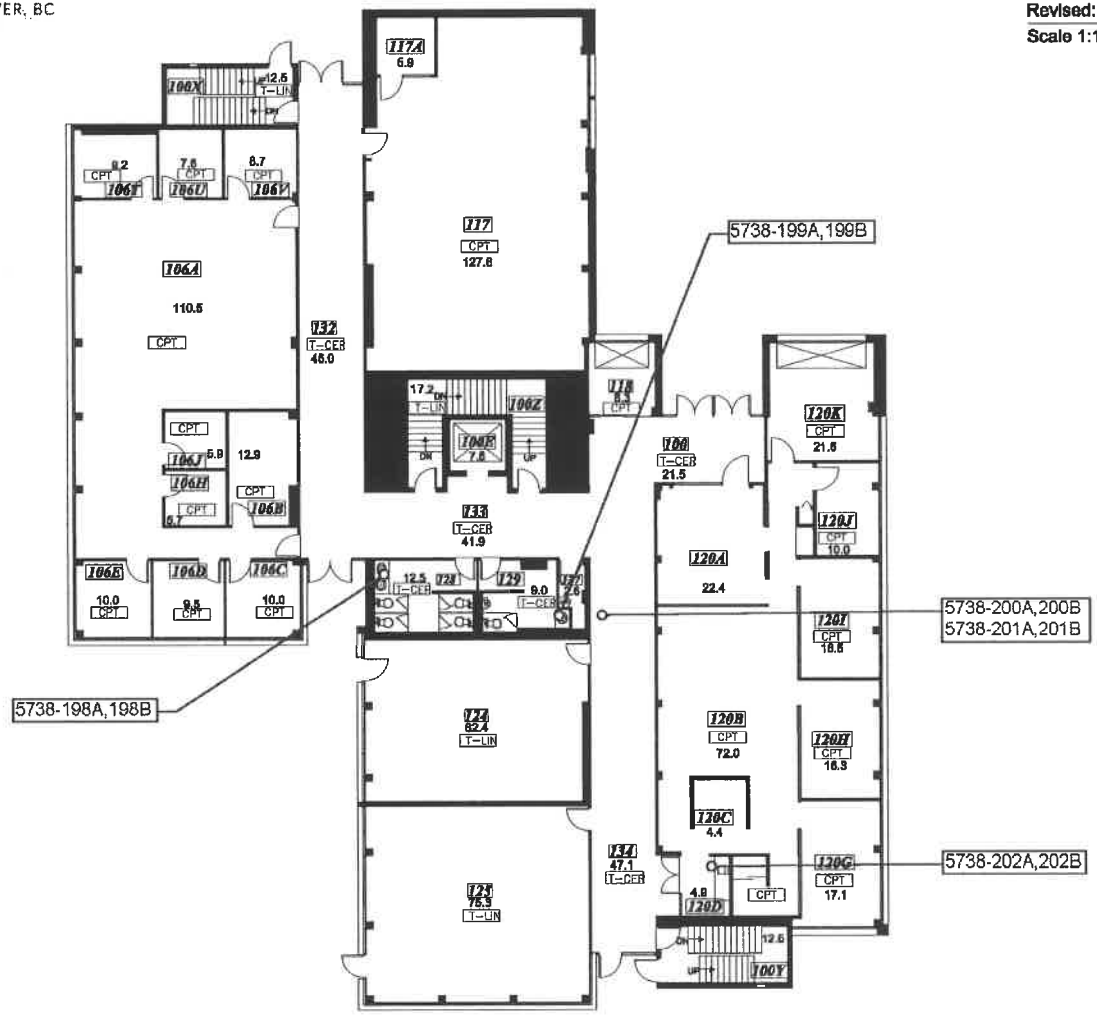
CANADA V7J 3H5

AREA PLAN
Revised: April 2017
Scale 1:179 (17"×11")



FLOOR COVERINGS

CPT	CARPET
T-CPT	CARPET TILE
T-CER	CERAMIC TILE
CONC	CONCRETE
LIN	LINOLEUM
T-LIN	LINOLEUM TILE
NORA	NORA
RUB	RUBBER
WD	WOOD

ARBUTUS BUILDING | MAIN FLOOR

0 5 10 15 20 m

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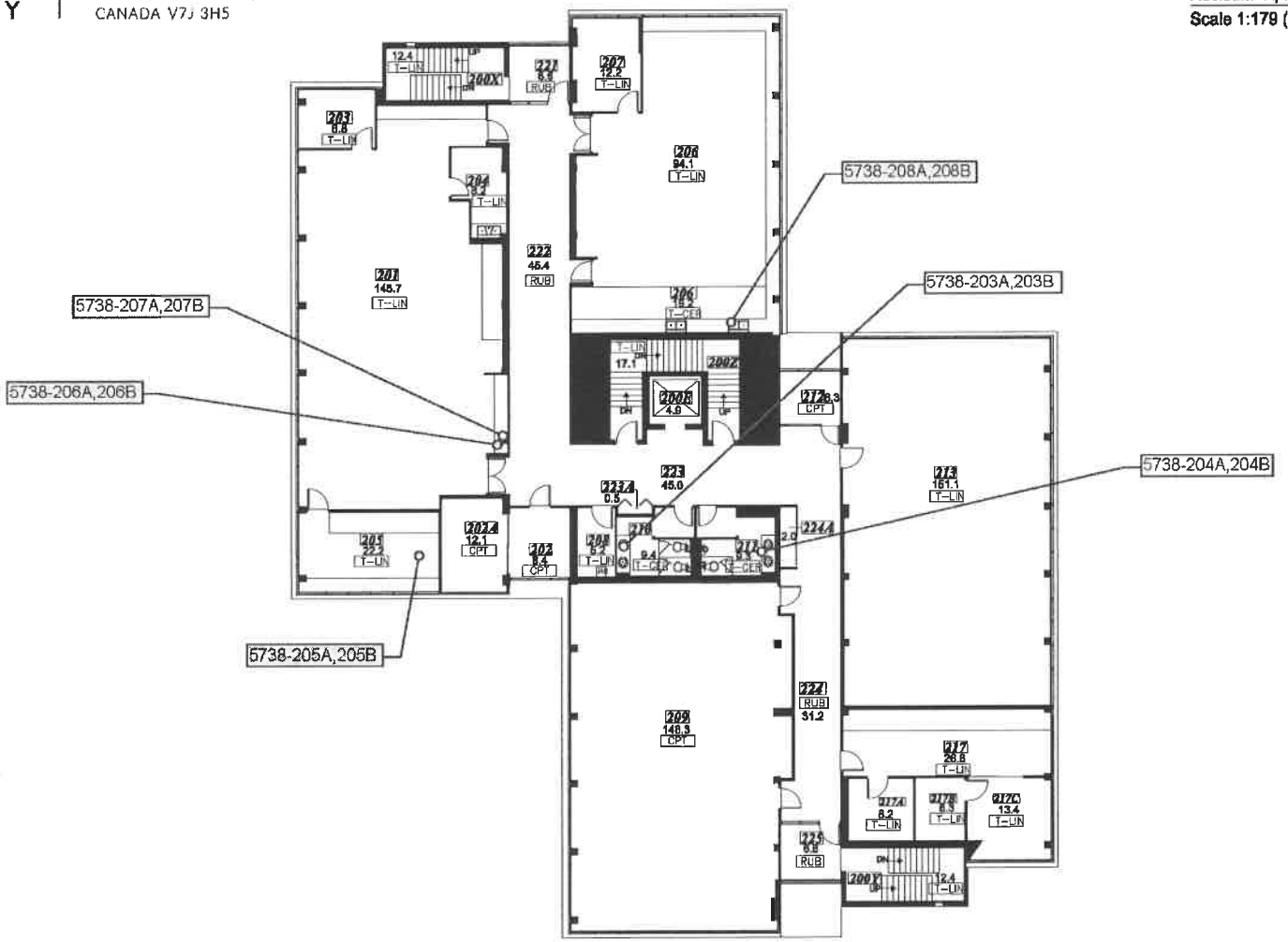
AREA PLAN
Revised: April 2017
Scale 1:179 (17"×11")



FLOOR COVERINGS

CPT	CARPET
T-CPT	CARPET TILE
T-CER	CERAMIC TILE
CONC	CONCRETE
LIN	LINOLEUM
T-LIN	LINOLEUM TILE
NORA	NORA
RUB	RUBBER
WD	WOOD

ARBUTUS BUILDING | SECOND FLOOR

0 5 10 15 20 m

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AREA PLAN
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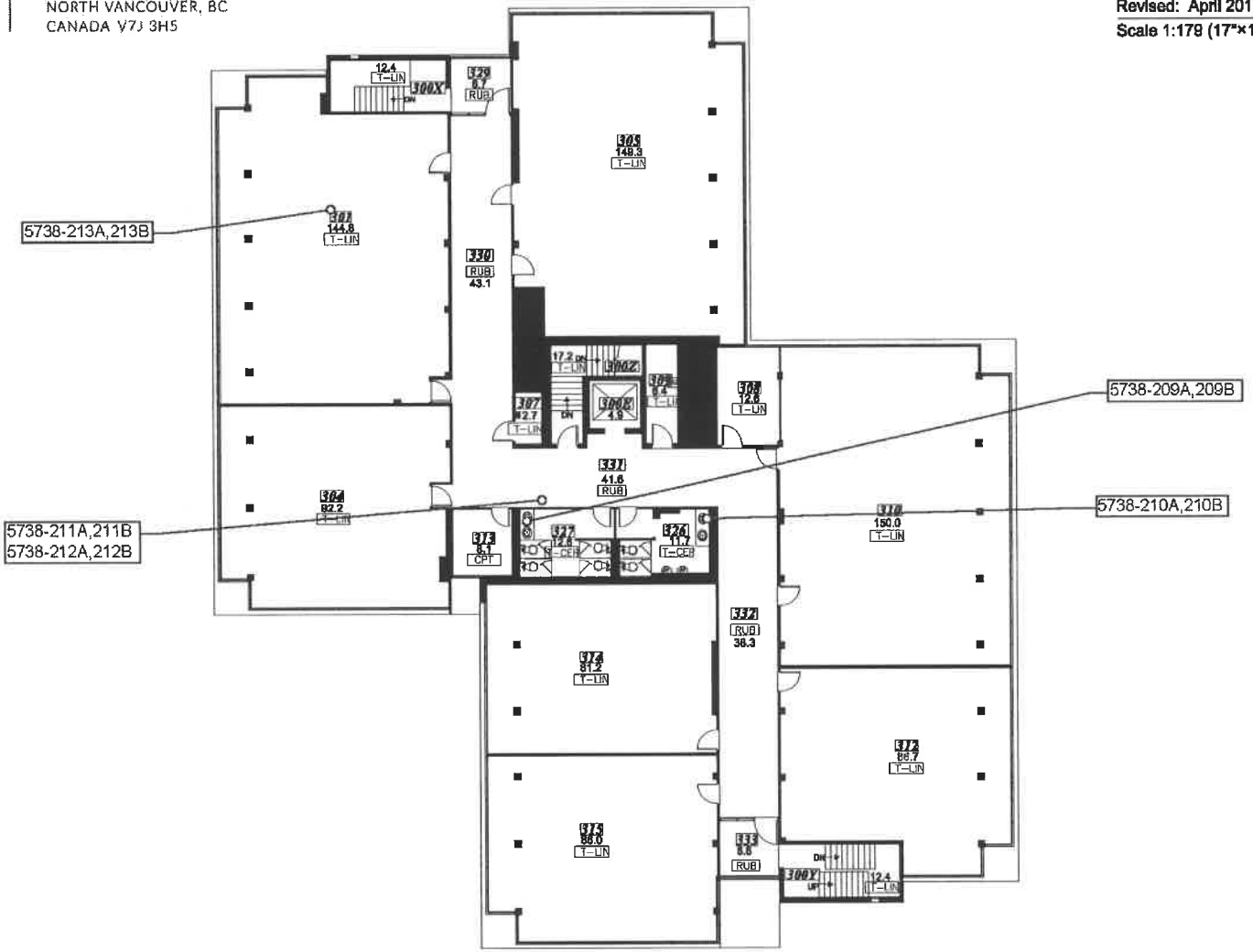
Scale 1:179 (17"×11")



FLOOR COVERINGS

CPT	CARPET
T-CPT	CARPET TILE
T-CER	CERAMIC TILE
CONC	CONCRETE
LIN	LINOLEUM
T-LIN	LINOLEUM TILE
NORA	NORA
RUB	RUBBER
WD	WOOD

ARBUTUS BUILDING | THIRD FLOOR

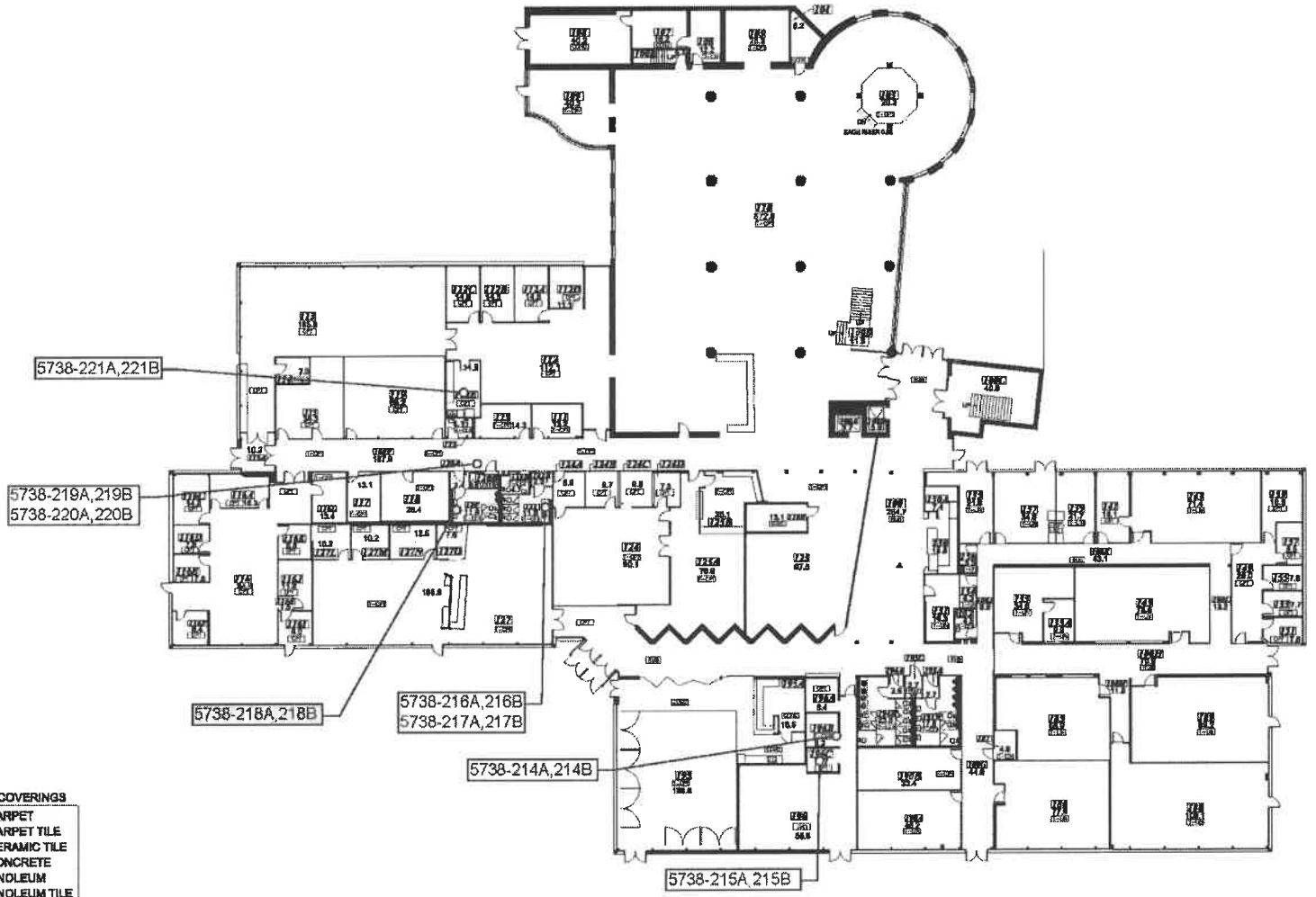
0 5 10 15 20 m

LIBRARY BUILDING

CAPILANO UNIVERSITY

2055 PURCELL WAY
NORTH VANCOUVER, BC
CANADA V7J 3H5

AREA PLAN
Revised: April 2017
Scale 1:343 (17"×11")



FLOOR COVERINGS

CPT	CARPET
T-CPT	CARPET TILE
T-CER	CERAMIC TILE
CONC	CONCRETE
LIN	LINOLEUM
T-LIN	LINOLEUM TILE
NORA	NORA
RUB	RUBBER
WD	WOOD

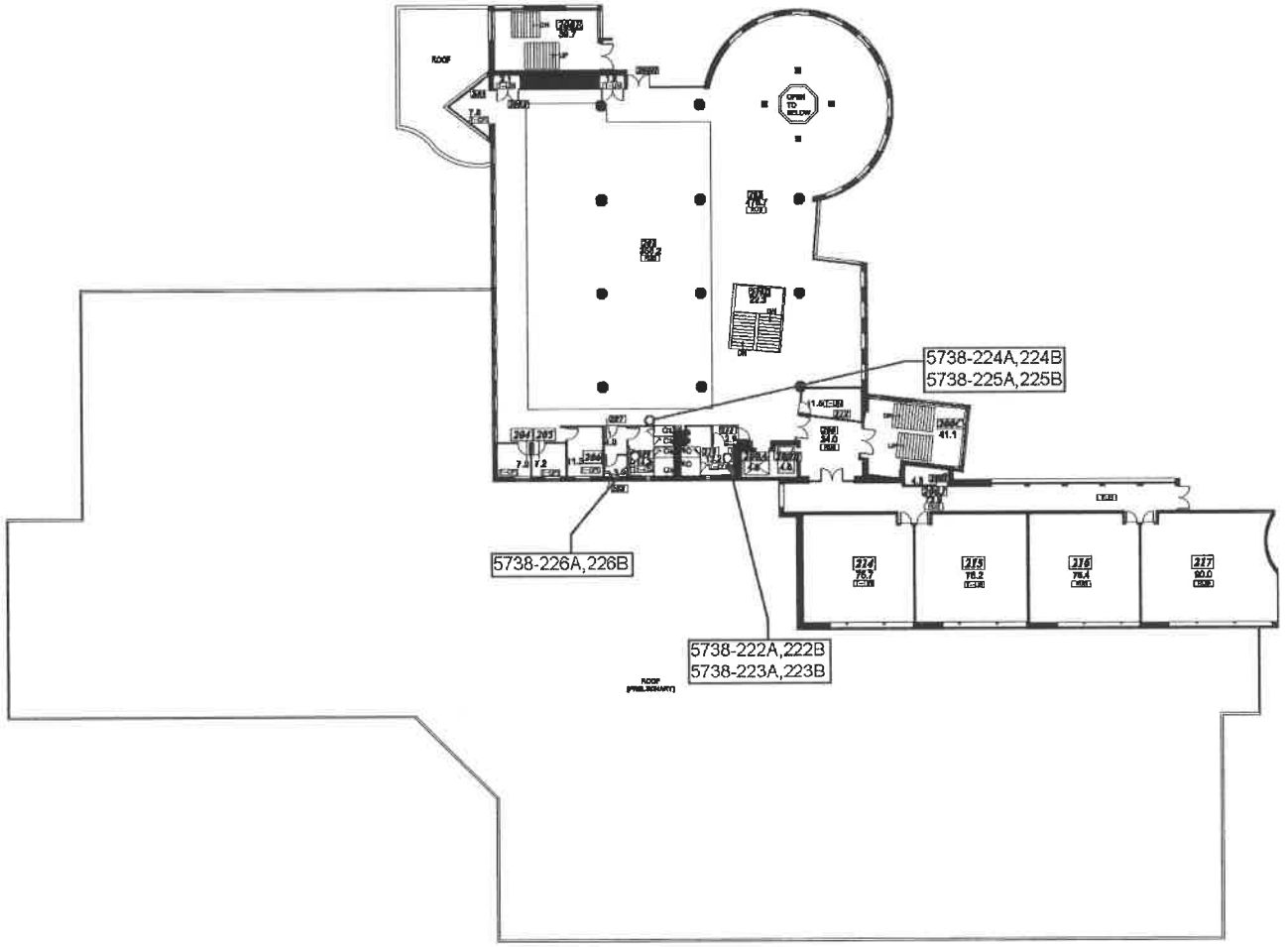
LIBRARY BUILDING | FIRST FLOOR

0 5 10 15 20 m

CAPILANO UNIVERSITY

2055 PURCELL WAY
NORTH VANCOUVER, BC
CANADA V7J 3H5

AREA PLAN
Revised: April 2017
Scale 1:343 (17"×11")



FLOOR COVERINGS

CPT	CARPET
T-CPT	CARPET TILE
T-CER	CERAMIC TILE
CONC	CONCRETE
LIN	LINOLEUM
T-LIN	LINOLEUM TILE
NORA	NORA
RUB	RUBBER
WD	WOOD

LIBRARY BUILDING | SECOND FLOOR

0 5 10 15 20 m

CAPILANO UNIVERSITY

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AREA PLAN
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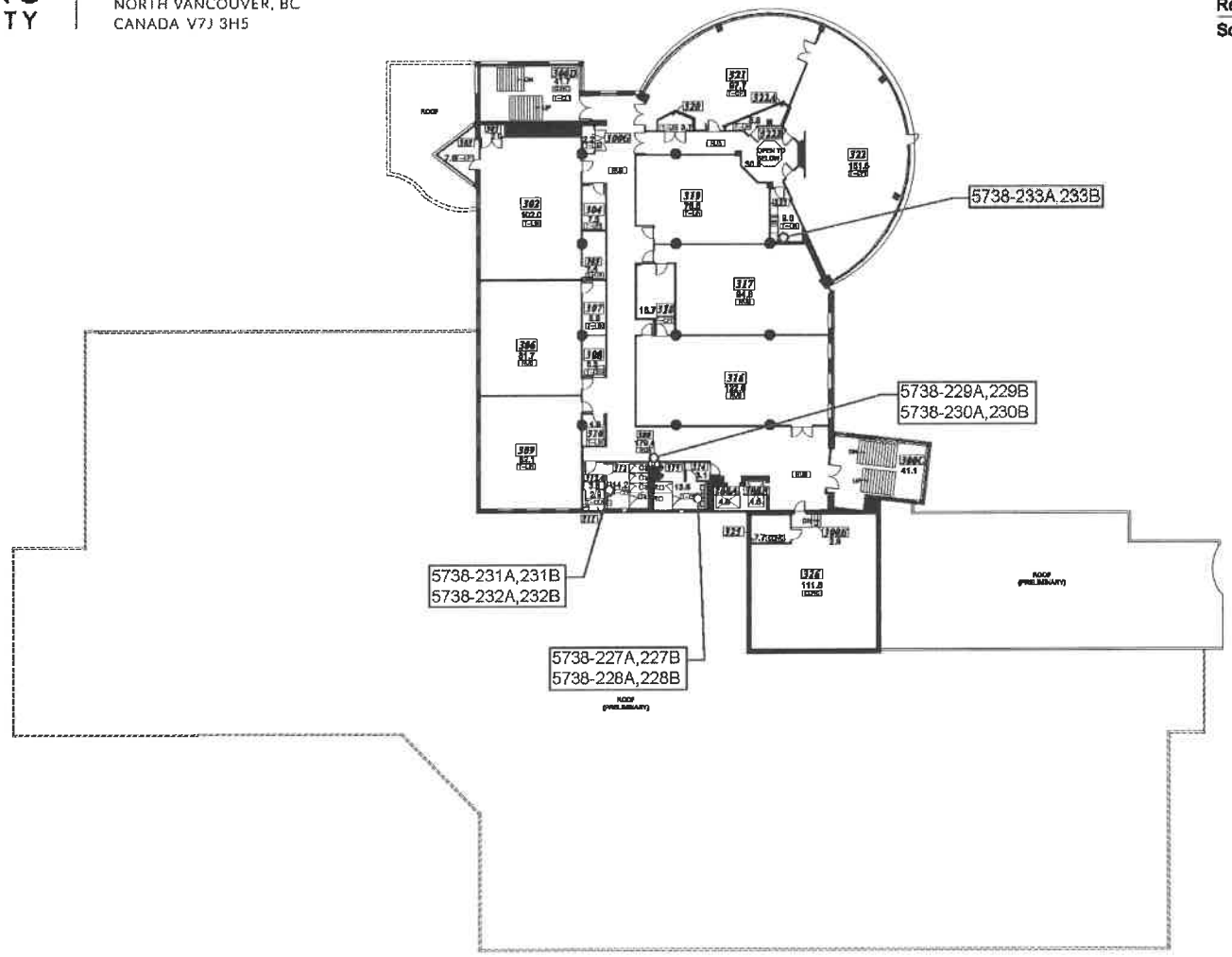


FLOOR COVERINGS

CPT	CARPET
T-CPT	CARPET TILE
T-CER	CERAMIC TILE
CONC	CONCRETE
LIN	LINOLEUM
T-LIN	LINOLEUM TILE
NORA	NORA
RUB	RUBBER
WD	WOOD

LIBRARY BUILDING | THIRD FLOOR

0 5 10 15 20 m

Appendix B – Laboratory Results

Your Project #: 5738-AB

Attention: Aneet Bains

KINETIC OHS SERVICES LTD.
#202 – 1520 Barrow Street
NORTH VANCOUVER, BC
CANADA V7J 1B7

Your C.O.C. #: 605357-01-01, 605357-02-01, 605357-03-01, 605357-04-01, 605357-05-01, 605357-06-01, 605357-07-01, 605357-08-01, 605357-09-01, 605357-10-01, 08478005, 08478006, 08478009, 08477997

Report Date: 2020/03/05
Report #: R2853898
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C013007
Received: 2020/02/24, 14:38

Sample Matrix: Water
Samples Received: 70

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Lead in DW Average	70	2020/02/24	2020/03/05		
Lead in Drinking Water	36	2020/03/03	2020/03/03	AB SOP-00014 / AB SOP-00043	EPA 6020b R2 m
Lead in Drinking Water	34	2020/03/03	2020/03/04	AB SOP-00014 / AB SOP-00043	EPA 6020b R2 m
Lead in Drinking Water	35	2020/03/03	2020/03/04	AB SOP-00014 / AB SOP-00043	EPA 6020b R2 m
Lead in Drinking Water	35	2020/03/03	2020/03/05	AB SOP-00014 / AB SOP-00043	EPA 6020b R2 m

Remarks:

Bureau Veritas Laboratories are accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by BV Labs are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in BV Labs profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and BV Labs in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

BV Labs liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. BV Labs has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by BV Labs, unless otherwise agreed in writing. BV Labs is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by BV Labs, results relate to the supplied samples tested.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

Bureau Veritas Laboratories Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Your Project #: 5738-AB

Attention: Aneet Bains
KINETIC OHS SERVICES LTD.
#202 – 1520 Barrow Street
NORTH VANCOUVER, BC
CANADA V7J 1B7

Your C.O.C. #: 605357-01-01, 605357-02-01, 605357-03-01, 605357-04-01, 605357-05-01, 605357-06-01, 605357-07-01, 605357-08-01, 605357-09-01, 605357-10-01, 08478005, 08478006, 08478009, 08477997

Report Date: 2020/03/05
Report #: R2853898
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C013007
Received: 2020/02/24, 14:38

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

AUTHORIZED REPORT
RAPPORT AUTORISÉ

Bureau Veritas Laboratories
05 Mar 2020 13:17:59

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Customer Solutions, Western Canada Customer Experience Team
Email: customersolutionswest@bvlabs.com
Phone# (604) 734 7276

==========

This report has been generated and distributed using a secure automated process.
BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

BV Labs Job #: C013007
Report Date: 2020/03/05

KINETIC OHS SERVICES LTD.
Client Project #: 5738-AB

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		XL0353	XL0355	XL0357	XL0359	XL0361	XL0363		
Sampling Date		2020/02/23 06:00	2020/02/23 06:00	2020/02/23 06:00	2020/02/23 06:00	2020/02/23 06:00	2020/02/23 06:15		
COC Number		605357-01-01	605357-01-01	605357-01-01	605357-01-01	605357-01-01	605357-02-01		
	UNITS	5738-34	5738-35	5738-36	5738-37	5738-38	5738-39	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.00047	0.00089	0.0022	0.00032	0.00050	0.00087	0.00020	9785145
Second bottle Total Lead (Pb)	mg/L	<0.00020	0.00026	0.00053	<0.00020	<0.00020	0.0028	0.00020	9785246
Average Total Lead (Pb)	mg/L	0.00023	0.00058	0.0013	<0.00020	0.00025	0.0018	0.00020	9775612
RDL = Reportable Detection Limit									

BV Labs ID		XL0365	XL0367	XL0369	XL0371	XL0374	XL0376		
Sampling Date		2020/02/23 06:15	2020/02/23 06:15	2020/02/23 06:15	2020/02/23 06:15	2020/02/23 06:30	2020/02/23 06:30		
COC Number		605357-02-01	605357-02-01	605357-02-01	605357-02-01	605357-03-01	605357-03-01		
	UNITS	5738-40	5738-41	5738-42	5738-43	5738-44	5738-45	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.0015	0.0016	0.0034	0.0017	0.00088	0.00060	0.00020	9785145
Second bottle Total Lead (Pb)	mg/L	0.00068	0.00066	0.0012	0.00057	0.00026	<0.00020	0.00020	9785246
Average Total Lead (Pb)	mg/L	0.0011	0.0011	0.0023	0.0011	0.00057	0.00030	0.00020	9775612
RDL = Reportable Detection Limit									

BV Labs ID		XL0378	XL0380	XL0382	XL0384		XL0386		
Sampling Date		2020/02/23 06:30	2020/02/23 06:30	2020/02/23 06:30	2020/02/23 06:45		2020/02/23 06:45		
COC Number		605357-03-01	605357-03-01	605357-03-01	605357-04-01		605357-04-01		
	UNITS	5738-46	5738-47	5738-48	5738-49	QC Batch	5738-50	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.0011	0.00089	<0.00020	0.00042	9785145	0.00099	0.00020	9785151
Second bottle Total Lead (Pb)	mg/L	0.00021	0.00025	<0.00020	0.00028	9785246	0.00056	0.00020	9785248
Average Total Lead (Pb)	mg/L	0.00067	0.00057	<0.00020	0.00035	9775612	0.00077	0.00020	9775612
RDL = Reportable Detection Limit									

BV Labs ID		XL0388	XL0390	XL0392	XL0394	XL0396	XL0398		
Sampling Date		2020/02/23 06:45	2020/02/23 06:45	2020/02/23 06:45	2020/02/23 07:00	2020/02/23 07:00	2020/02/23 07:00		
COC Number		605357-04-01	605357-04-01	605357-04-01	605357-05-01	605357-05-01	605357-05-01		
	UNITS	5738-51	5738-52	5738-53	5738-54	5738-55	5738-56	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.0019	0.00071	0.0013	0.00024	0.0039	0.0016	0.00020	9785151
Second bottle Total Lead (Pb)	mg/L	0.00095	0.00053	0.0040	<0.00020	0.0041	0.00070	0.00020	9785248
Average Total Lead (Pb)	mg/L	0.0014	0.00062	0.0026	<0.00020	0.0040	0.0011	0.00020	9775612
RDL = Reportable Detection Limit									

Bureau Veritas Laboratories Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		XL0400	XL0402	XL0414	XL0416	XL0418	XL0420		
Sampling Date		2020/02/23 07:00	2020/02/23 07:00	2020/02/23 07:15	2020/02/23 07:15	2020/02/23 07:15	2020/02/23 07:15		
COC Number		605357-05-01	605357-05-01	605357-06-01	605357-06-01	605357-06-01	605357-06-01		
	UNITS	5738-57	5738-58	5738-59	5738-60	5738-61	5738-62	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.0020	0.0023	0.0010	0.00058	0.00034	0.0088	0.00020	9785151
Second bottle Total Lead (Pb)	mg/L	0.0044	0.0027	0.0016	0.00030	0.00034	0.0035	0.00020	9785248
Average Total Lead (Pb)	mg/L	0.0032	0.0025	0.0013	0.00044	0.00034	0.0062	0.00020	9775612
RDL = Reportable Detection Limit									

BV Labs ID		XL0422	XL0424	XL0426	XL0428	XL0430	XL0432		
Sampling Date		2020/02/23 07:15	2020/02/23 08:00	2020/02/23 08:00	2020/02/23 08:00	2020/02/23 08:00	2020/02/23 08:00		
COC Number		605357-06-01	605357-07-01	605357-07-01	605357-07-01	605357-07-01	605357-07-01		
	UNITS	5738-63	5738-64	5738-65	5738-66	5738-67	5738-68	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.0037	0.0084	0.012	0.0011	0.00072	0.00036	0.00020	9785151
Second bottle Total Lead (Pb)	mg/L	0.0011	0.0041	0.038	0.00025	0.00033	0.00032	0.00020	9785248
Average Total Lead (Pb)	mg/L	0.0024	0.0063	0.025	0.00068	0.00053	0.00034	0.00020	9775612
RDL = Reportable Detection Limit									

BV Labs ID		XL0454	XL0456	XL0458	XL0460	XL0462	XL0464		
Sampling Date		2020/02/23 08:15	2020/02/23 08:15	2020/02/23 08:15	2020/02/23 08:15	2020/02/23 08:15	2020/02/23 08:30		
COC Number		605357-08-01	605357-08-01	605357-08-01	605357-08-01	605357-08-01	605357-09-01		
	UNITS	5738-69	5738-70	5738-71	5738-72	5738-73	5738-74	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.00025	0.00082	0.0014	0.0013	0.00022	0.00024	0.00020	9785191
Second bottle Total Lead (Pb)	mg/L	0.00032	0.00022	0.00035	0.00051	0.00026	0.00031	0.00020	9785278
Average Total Lead (Pb)	mg/L	0.00028	0.00052	0.00087	0.00089	0.00024	0.00027	0.00020	9775612
RDL = Reportable Detection Limit									

BV Labs ID		XL0466	XL0468	XL0470	XL0472	XL0474	XL0476		
Sampling Date		2020/02/23 08:30	2020/02/23 08:30	2020/02/23 08:30	2020/02/23 08:30	2020/02/23 08:30	2020/02/23 08:30		
COC Number		605357-09-01	605357-09-01	605357-09-01	605357-09-01	605357-10-01	605357-10-01		
	UNITS	5738-75	5738-76	5738-77	5738-78	5738-79	5738-80	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.0058	0.0068	0.0025	0.0021	0.00041	0.0016	0.00020	9785191
Second bottle Total Lead (Pb)	mg/L	0.0079	0.0070	0.00056	0.00066	0.00043	0.00049	0.00020	9785278
Average Total Lead (Pb)	mg/L	0.0068	0.0069	0.0015	0.0014	0.00042	0.0010	0.00020	9775612
RDL = Reportable Detection Limit									

Bureau Veritas Laboratories Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

BV Labs Job #: C013007
Report Date: 2020/03/05

KINETIC OHS SERVICES LTD.
Client Project #: 5738-AB

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		XL0478	XL0480	XL0482	XL0484	XL0486	XL0488		
Sampling Date		2020/02/23 08:30	2020/02/23 08:30	2020/02/23 08:30	2020/02/23 09:00	2020/02/23 09:00	2020/02/23 09:00		
COC Number		605357-10-01	605357-10-01	605357-10-01	08478005	08478005	08478005		
	UNITS	5738-81	5738-82	5738-83	5738-84	5738-85	5738-86	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.00036	0.00056	0.00040	0.00047	0.00032	0.013	0.00020	9785191
Second bottle Total Lead (Pb)	mg/L	0.00075	0.00068	0.0012	0.00027	0.0011	0.0033	0.00020	9785278
Average Total Lead (Pb)	mg/L	0.00055	0.00062	0.00081	0.00037	0.00069	0.0082	0.00020	9775612
RDL = Reportable Detection Limit									

BV Labs ID		XL0490		XL0492	XL0513	XL0515	XL0517	XL0519		
Sampling Date		2020/02/23 09:00		2020/02/23 09:00	2020/02/23 09:00	2020/02/23 09:00	2020/02/23 09:00	2020/02/23 09:00		
COC Number		08478005		08478005	08478006	08478006	08478006	08478006		
	UNITS	5738-87	QC Batch	5738-88	5738-89	5738-90	5738-91	5738-92	RDL	QC Batch
Elements										
Total Lead (Pb)	mg/L	0.0090	9785191	0.0020	0.0011	0.0017	0.0044	0.0045	0.00020	9785192
Second bottle Total Lead (Pb)	mg/L	0.0052	9785278	0.0022	0.00042	0.0022	0.0013	0.00086	0.00020	9785286
Average Total Lead (Pb)	mg/L	0.0071	9775612	0.0021	0.00076	0.0020	0.0028	0.0027	0.00020	9775612
RDL = Reportable Detection Limit										

BV Labs ID		XL0521	XL0523	XL0525	XL0527	XL0529	XL0531		
Sampling Date		2020/02/23 09:00	2020/02/23 09:30	2020/02/23 09:30	2020/02/23 09:30	2020/02/23 09:30	2020/02/23 09:30		
COC Number		08478006	08478009	08478009	08478009	08478009	08478009		
	UNITS	5738-93	5738-94	5738-95	5738-96	5738-97	5738-98	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.0084	0.00036	<0.00020	0.010	0.00074	0.0063	0.00020	9785192
Second bottle Total Lead (Pb)	mg/L	0.0012	<0.00020	<0.00020	0.0035	<0.00020	0.0016	0.00020	9785286
Average Total Lead (Pb)	mg/L	0.0048	<0.00020	<0.00020	0.0067	0.00037	0.0040	0.00020	9775612
RDL = Reportable Detection Limit									

BV Labs ID		XL0540	XL0542	XL0544	XL0546	XL0548		
Sampling Date		2020/02/23 10:00	2020/02/23 10:00	2020/02/23 10:00	2020/02/23 10:00	2020/02/23 10:00		
COC Number		08477997	08477997	08477997	08477997	08477997		
	UNITS	5738-99	5738-100	5738-101	5738-102	5738-103	RDL	QC Batch
Elements								
Total Lead (Pb)	mg/L	0.0014	0.00045	0.0031	0.00052	0.00097	0.00020	9785192
Second bottle Total Lead (Pb)	mg/L	0.0012	0.00056	0.00041	0.00046	0.0011	0.00020	9785286
Average Total Lead (Pb)	mg/L	0.0013	0.00051	0.0018	0.00049	0.0010	0.00020	9775612
RDL = Reportable Detection Limit								

Bureau Veritas Laboratories Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

GENERAL COMMENTS

Results relate only to the items tested.

Bureau Veritas Laboratories Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

BV Labs Job #: C013007
Report Date: 2020/03/05

QUALITY ASSURANCE REPORT

KINETIC OHS SERVICES LTD.
Client Project #: 5738-AB

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9785145	Total Lead (Pb)	2020/03/04	107	80 - 120	100	80 - 120	<0.00020	mg/L	4.5	20
9785151	Total Lead (Pb)	2020/03/03	96	80 - 120	99	80 - 120	<0.00020	mg/L	3.9	20
9785191	Total Lead (Pb)	2020/03/04	98	80 - 120	99	80 - 120	<0.00020	mg/L	2.8	20
9785192	Total Lead (Pb)	2020/03/03	101	80 - 120	95	80 - 120	<0.00020	mg/L	2.8	20
9785246	Second bottle Total Lead (Pb)	2020/03/04	98	80 - 120	97	80 - 120	<0.00020	mg/L	NC	20
9785248	Second bottle Total Lead (Pb)	2020/03/04	99	80 - 120	101	80 - 120	<0.00020	mg/L	0.18	20
9785278	Second bottle Total Lead (Pb)	2020/03/05	99	80 - 120	96	80 - 120	<0.00020	mg/L	5.5	20
9785286	Second bottle Total Lead (Pb)	2020/03/05	96	80 - 120	94	80 - 120	<0.00020	mg/L	0.56	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

Bureau Veritas Laboratories Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Andy Lu, Ph.D., P.Chem., Scientific Specialist

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Bureau Veritas Laboratories Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Page [illegible] of 14

INVOICE TO:	
Company Name	#11486 KINETIC OHS SERVICES LTD.
Contact Name	Accounts Payable
Address	#202 – 1520 Barrow Street, NORTH VANCOUVER BC V7J 1B7
Phone	(604) 988-2098
Email	accounts@kineticohs.com [illegible]@kineticohs.com

Report Information	
Contact Name	Ansel Baltis
Email	ansel@kineticohs.com

Project Information	
Quotation #	B71255
Project #	5738 AB

C013007_COC

Regulatory Criteria: ☐ ☐ ☑ BC Water Quality ☐ Other

Turnaround Time (TAT) Required: Regular (Standard) TAT ☑

SAMPLES MUST BE KEPT COOL FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

#	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Lead in Drinking Water
1		5737 - 34A	23/02/2024	6:55	Water	✓
2		5738 - 34B	↓	↓	↓	✓
3		5738 - 35A	↓	↓	↓	✓
4		5738 - 35B	↓	↓	↓	✓
5		5738 - 36A	↓	↓	↓	✓
6		5738 - 36B	↓	↓	↓	✓
7		5738 - 37A	↓	↓	↓	✓
8		5738 - 37B	↓	↓	↓	✓
9		5738 - 38A	↓	↓	↓	✓
10		5738 - 38B	↓	↓	↓	✓

Relinquished by	Date	Time	Received by	Date	Time
Deepak Kumar	20/02/24	14:38	[illegible]	2024/02/20	14:38

Page 2 / 14

Invoice To

Company Name	#11496 KINETIC OHS SERVICES LTD
Contact Name	Accounts Payable
Address	#202 - 1520 Barrow Street, NORTH VANCOUVER BC V7J 1B7
Phone	(604) 988-3099
Email	accounts@kineticohs.com; harvey@kineticohs.com

Report Information

Contact Name	Amjot Bains
Email	amjot@kineticohs.com

Project Information

Quotation #	B71235
Project #	5738 AB

C013007_COC

Regulatory Criteria: ☑ BC Water Quality

Turnaround Time (TAT) Required: Regular (Standard) TAT ☑

SAMPLES MUST BE KEPT COOL FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

#	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Lead in Drinking Water
1		5733-39 A	23/02/22	6:15	WDW	✓
2		5733-39B	↓	↓	↓	✓
3		5738-40 A	↓	↓	↓	✓
4		5738-40B	↓	↓	↓	✓
5		5738-41A	↓	↓	↓	✓
6		5738-41B	↓	↓	↓	✓
7		5738-42A	↓	↓	↓	✓
8		5738-42B	↓	↓	↓	✓
9		5738-43A	↓	↓	↓	✓
10		5738-43B	↓	↓	↓	✓

Relinquished by	Date	Time	Received by	Date	Time
Deepak Kaur	[illegible]/02/24	11:33	[illegible]	[illegible]/24	14:30

Lab Use Only: 9, 7, 9

Bureau Veritas Canada (2019) Inc.

Page 3 of 14

Invoice To	
Company Name	#11486 KINETIC OHS SERVICES LTD
Contact Name	Accounts Payable
Address	#202 – 1520 Barrow Street
	NORTH VANCOUVER BC V7J 1B7
Phone	(604) 388-0098
Email	accounts@kineticohs.com; nasvey@kineticohs.com

Report Information	
Contact Name	Aneet Bains
Email	aneet@kineticohs.com

Project Information	
Quotation #	B71253
Project #	5738-AB

C013007_COC

Regulatory Criteria: ☑ BC Water Quality

Turnaround Time (TAT) Requested: Regular (Standard) TAT ☑

SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

#	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Lead in Drinking Water
1		5738-44A	23/02/2024	6:30	Water	✓
2		5738-44B	↓	↓	↓	✓
3		5738-45A	↓	↓	↓	✓
4		5738-45B	↓	↓	↓	✓
5		5738-46A	↓	↓	↓	✓
6		5738-46B	↓	↓	↓	✓
7		5738-47A	↓	↓	↓	✓
8		5738-47B	↓	↓	↓	✓
9		5738-48A	↓	↓	↓	✓
10		5738-48B	↓	↓	↓	✓

Relinquished By (Signature/Print)	Date	Time	Received By (Signature/Print)	Date	Time
[illegible]	20/02/24	[illegible]	[illegible]	2020/02/24	14:38

Lab Use Only — Temperature (°C) on Receipt: 9, 7, 9 / 9, 4, 9

Bureau Veritas Canada (2019) Inc.

C013007_COC

Invoice To:	
Company Name	#11469 KINETIC OHS SERVICES LTD
Contact Name	Accounts Payable
Address	#202 – 1520 Barrow Street
	NORTH VANCOUVER BC V7J 1B7
Phone	(604) 988-0099
Email	accounts@kineticohs.com

Report Information	
Contact Name	Angel Baria

Project Information	
Quotation #	B71255
Project #	5738-AR

#	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Lead in Drinking Water
1		5738 - 49A	23/02/24	6:45	water	✓
2		5738 - 49B				✓
3		5738 - 50A				✓
4		5738 - 50B				✓
5		5738 - 51A				✓
6		5738 - 51B				✓
7		5738 - 52A				✓
8		5738 - 52B				✓
9		5738 - 53A				✓
10		5738 - 53B				✓

Relinquished by: [illegible] Date: 2/02/24

Received by: [illegible]

INVOICE TO:

Company Name: #11406 KINETIC OHS SERVICES LTD.
Contact Name: Accounts Payable
Address: #202 – 1520 Barrow Street
NORTH VANCOUVER BC V7L 1B7
Phone: (604) 988-0099
Email: accounts@kineticohs.com harvey@kineticohs.com

Report Information

Contact Name: Ansell Bains
Email: ansell@kineticohs.com

Project Information

Quotation #: B71235
Project #: 5738-AB

C013007_COC

Turnaround Time (TAT) Required:

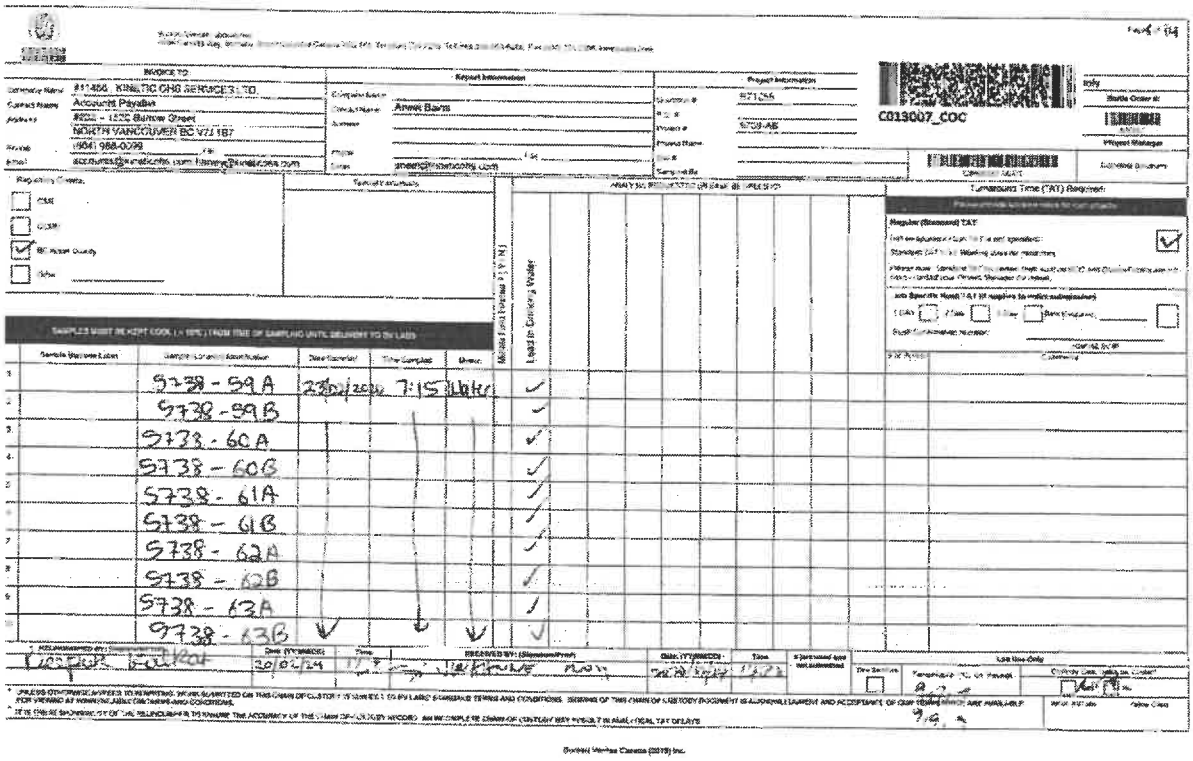
Regular (Standard) TAT: ☑

Regulatory Criteria: ☑ BC Water Quality

SAMPLES MUST BE KEPT COOL FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Lead in Drinking Water
1	5738-54A	23/02/2024	7:00	Water	✓
2	5739-54B	↓	↓	↓	✓
3	5738-55A	↓	↓	↓	✓
4	5739-55B	↓	↓	↓	✓
5	5738-56A	↓	↓	↓	✓
6	5738-56B	↓	↓	↓	✓
7	5738-57A	↓	↓	↓	✓
8	5738-57B	↓	↓	↓	✓
9	5738-58A	↓	↓	↓	✓
10	5738-58B	↓	↓	↓	✓

Relinquished by: (Signature/Print)	Date	Time	Received by: (Signature/Print)	Date	Time
Deepak Kaushal	26/02/24	[illegible]	[illegible]	26/02/24	14:32



Sample Receipt Label	Sample Location Identification	Date Sampled	Time Sampled	Matrix	Liquid or Drinking Water
	S738 - 59A	23/01/2024	7:15	Water	✓
	S738 - 59B				✓
	S738 - 60A				✓
	S738 - 60B				✓
	S738 - 61A				✓
	S738 - 61B				✓
	S738 - 62A				✓
	S738 - 62B				✓
	S738 - 63A				✓
	S738 - 63B				✓

INVOICE TO:

Company Name	#11466 KINETIC OHS SERVICES LTD
Contact Name	Accounts Payable
Address	#202 – 1520 Barrow Street
	NORTH VANCOUVER BC V7J 1B7
Phone	(604) 983-0086
Email	accounts@kineticohs.com; harvey@kineticohs.com

Report Information

Company Name	
Contact Name	Aneet Goins
Address	
Phone	
Email	aneet@kineticohs.com

Project Information

Quotation #	B71255
P.O. #	
Project #	5738-48
Project Name	
Site #	
Sampled By	

C013007_COC

Regulatory Criteria: ☐ ☐ ☑ BC Water Quality ☐ Other

Turnaround Time (TAT) Required: Regular (Standard) TAT ☑

SAMPLES MUST BE KEPT COOL FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

#	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Lead in Drinking Water
1		5738-64A	23/01/2022	9:00	Water	✓
2		5738-64B	↓	↓	↓	✓
3		5738-65A				✓
4		5738-65B				✓
5		5738-66A				✓
6		5738-66B				✓
7		5738-67A				✓
8		5738-67B				✓
9		5738-68A				✓
10		5738-68B	↓	↓	↓	✓

Relinquished by	Date	Time	Received by	Date	Time
Deepak Kalkar	20/02/28	[illegible]	[illegible]	2022/02/24	9:35

Bureau Veritas Canada (2019) Inc.

Page 1 of 1 [illegible]

INVOICE TO:

Company Name: #11486 KINETIC OHS SERVICES LTD.
Contact Name: Accounts Payable
Address: #202 - 1570 Barrow Street
NORTH VANCOUVER BC V7J 1B7
Phone: (604) 988-0099
Email: accounts@kineticohs.com [illegible]@kineticohs.com

Report Information

Contact Name: Ansel Burns
Email: aburns@kineticohs.com

Project Information

Quotation #: B71750
Project #: 5738-AB

C013007_COC

Regulatory Criteria
- [ ] CSR
- [ ] CCME
- [x] BC Water Quality
- [ ] Other

Turnaround Time (TAT) Requested
Regular (Standard) TAT: [x]

SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

#	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Lead in Drinking Water
1		5738-69A	23/1/2024	8:15	Water	✓
2		5738-69B	↓	↓	↓	✓
3		5738-70A	↓	↓	↓	✓
4		5738-70B	↓	↓	↓	✓
5		5738-71A	↓	↓	↓	✓
6		5738-71B	↓	↓	↓	✓
7		5738-72A	↓	↓	↓	✓
8		5738-72B	↓	↓	↓	✓
9		5738-73A	↓	↓	↓	✓
10		5738-73B	↓	↓	↓	✓

Relinquished by (Signature/Print)	Date	Time	Received by (Signature/Print)	Date	Time
Deepak Kallurat	20/12/24	[illegible]	[illegible]	2024-12-24	14:32

Lab Use Only — Temperature (°C) on Receipt: [illegible]

INVOICE TO:

Company Name	#11486 KINETIC OHS SERVICES LTD.
Contact Name	Accounts Payable
Address	#203 – 1520 Barrow Street
	NORTH VANCOUVER BC V7J 1B7
Phone	(604) 988-0099
Email	[illegible]

Report Information

Contact Name	Albert Bews

Project Information

[illegible]	B71255
Project #	5738-AB

C013007_COC

Regulatory Criteria

- [ ] CSR
- [ ] CCME
- [x] BC Water Quality
- [ ] Other

Special Instructions

Turnaround Time (TAT) Required

Regular (Standard) TAT [x]

SAMPLES MUST BE KEPT COOL FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

#	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Lead in Drinking Water	Comments
1	[illegible]	5738 - 74A	23/02/2024	8:30	Water	✓	
2		5738 - 74B	↓	↓	↓	✓	
3		5738 - 75A				✓	
4		5738 - 75B				✓	
5		5738 - 76A				✓	
6		5738 - 76B				✓	
7		5738 - 77A				✓	
8		5738 - 77B				✓	
9		5738 - 78A				✓	
10		5738 - 78B	↓	↓	↓	✓	

Relinquished by (Signature/Print)	Date	Time	Received by (Signature/Print)	Date	Time
Deepak Kalkar	24/02/24	[illegible]	[illegible]	[illegible]	[illegible]

Lab Use Only: Temperature (°C) on Receipt 9, 7, 9 / 9, 9, 9

Bureau Veritas Canada (2019) Inc.

C013007_COC

Company Name	#71686 KINETIC OHS SERVICES LTD
Contact Name	Accounts Payable
Address	#202 – 1520 Barrow Street
	NORTH VANCOUVER BC V7J 1B7
Phone	(604) 985-0249
Email	accounts@kineticohs.com harvey@kineticohs.com

Contact Name: Aneet Bains

Email: aneet@kineticohs.com

Quotation #: B71225

Project #: 5738-AB

☑ BC Water Quality

SAMPLES MUST BE KEPT COOL FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

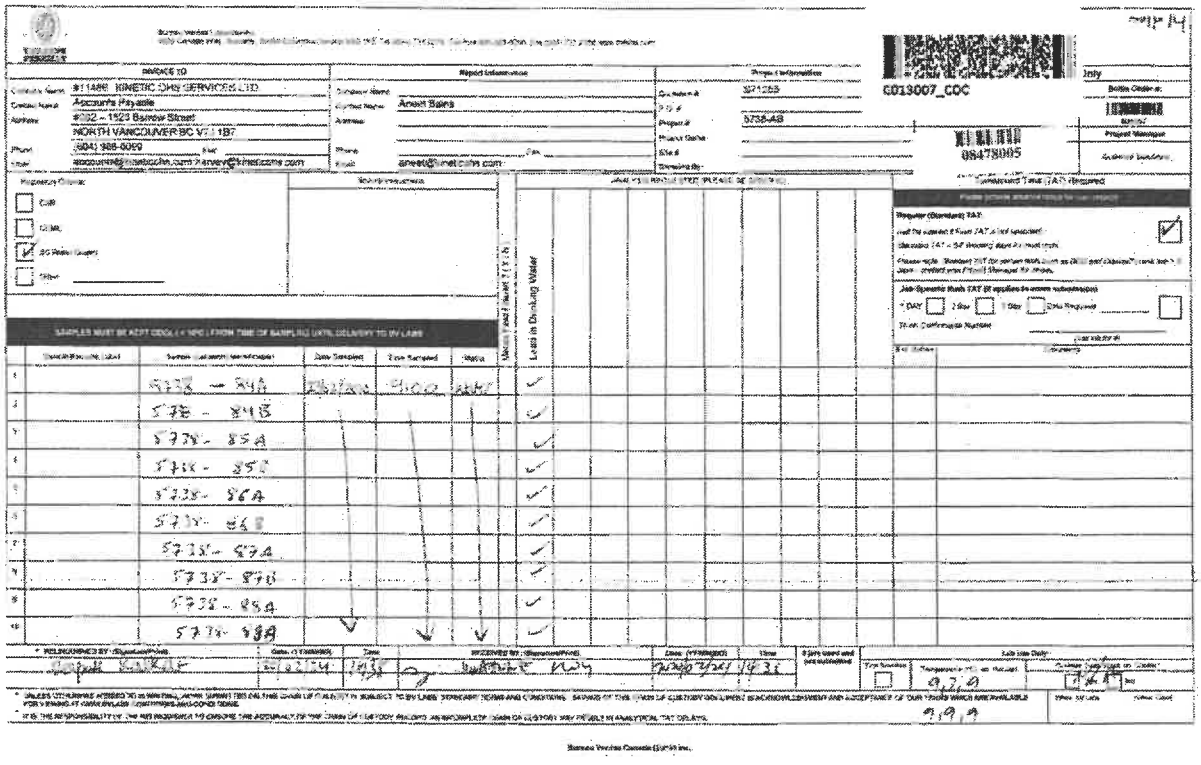
	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Metals Field Filtered? (Y/N)	Lead in Drinking Water
1		S738-79A	23/02/2024	8:30	Water		✓
2		S738-79B	↓	↓	↓		✓
3		S738-80A					✓
4		S738-80B					✓
5		S738-81A					✓
6		S738-81B					✓
7		S738-82A					✓
8		S738-82B					✓
9		S738-83A					✓
10		S738-83B					✓

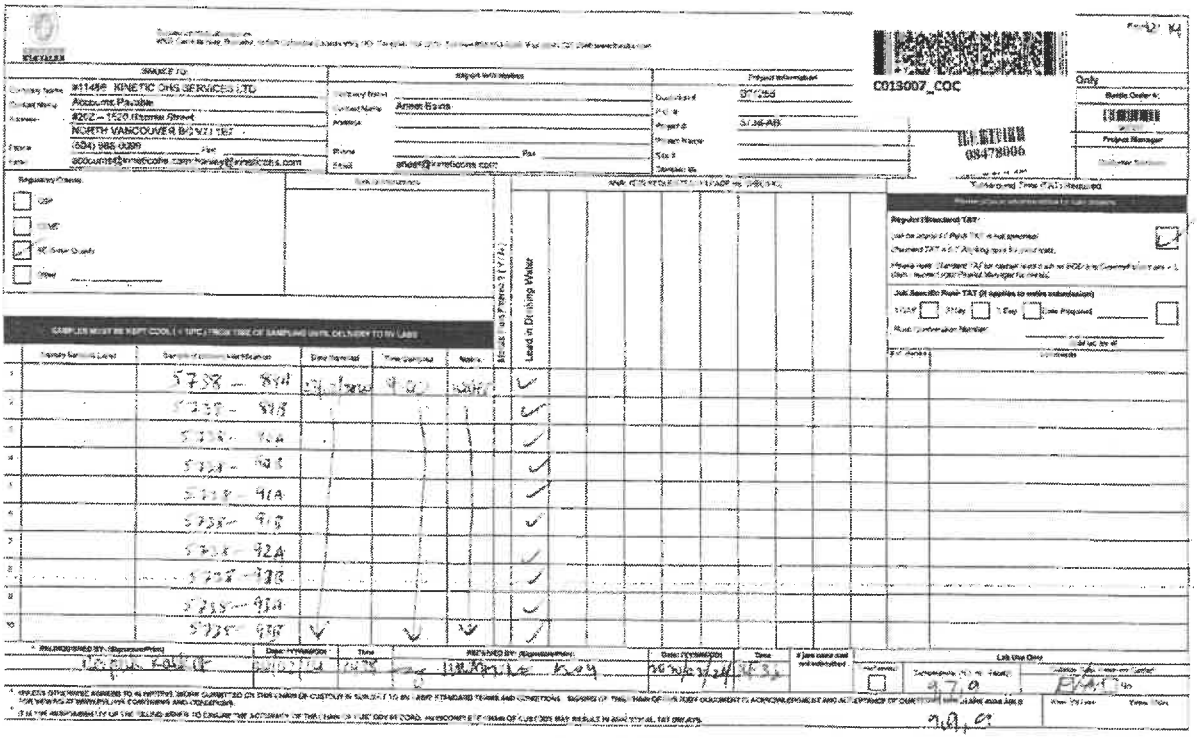
Relinquished by: Deepak Kalra — Date: 20/02/24

Received by: [illegible] — Date: 2024/02/20

Turnaround Time (TAT) Required: Regular (Standard) TAT ☑

Bureau Veritas Canada (2019) Inc.





C013007_COC

Page 20 of 22

Page 3 of 4

C013007_COC

08478009

Invoice To	
Company Name	#11466 - KINETIC OHS SERVICES LTD.
Contact Name	Accounts Payable
Address	#202 – 1526 Barrow Street
	NORTH VANCOUVER BC V7J 1B7
Phone	(604) 985-3099
Email	accounts@kineticohs.com

Report Information	
Contact Name	Ameet Baura
Email	abeat@kineticohs.com

Project Information	
Quotation #	P71255
Project #	5738-PB

Turnaround Time (TAT) Required

Regulatory Criteria: ☐ CSR ☐ CCME ☑ BC Water Quality ☐ Other

SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

#	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Metals Field Filtered ? (Y / N)	Lead in Drinking Water
1		5738-94A	24/10/20[illegible]	9:30	water		✓
2		5738-94B	↓	↓	↓		✓
3		5738-95A	↓	↓	↓		✓
4		5738-95B	↓	↓	↓		✓
5		5738-96A	↓	↓	↓		✓
6		5738-96B	↓	↓	↓		✓
7		5738-97A	↓	↓	↓		✓
8		5738-97B	↓	↓	↓		✓
9		5738-98A	↓	↓	↓		✓
10		5738-98B	↓	↓	↓		✓

Relinquished by: (Signature/Print)	Date (YY/MM/DD)	Time	Received by: (Signature/Print)	Date (YY/MM/DD)	Time
[illegible]	24/10/24	19:35	JAKOUNE DAY	24/10/24	19:35

Lab Use Only — Temperature: 9, 7, 9 / 9, 9, 9

Bureau Veritas Canada (2019) Inc.

C613007_COC

68477997

INVOICE TO	
Company Name	#11446 KINETIC [illegible] SERVICES LTD
Contact Name	Accounts Payable
Address	#203 – 1520 [illegible] Street
	NORTH VANCOUVER BC V7[illegible]
Phone	(604) 568[illegible]
Email	accounts@[illegible]

Report Information	
Company Name	
Contact Name	Ameet Rams
Address	
Phone	
Email	ameet@kineticons.com

Project Information	
Quotation #	B71255
P.O. #	
Project #	5708-4B

Regulatory Criteria

- [ ] [illegible]
- [ ] [illegible]
- [x] BC [illegible] Quality
- [ ] Other

SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Lead in Drinking Water
1		5735- 99A	[illegible]	10:00	[illegible]	✓
2		5735- 99B	↓	↓	↓	✓
3		5735- 100A	↓	↓	↓	✓
4		5735- 100B	↓	↓	↓	✓
5		5735- 101A	↓	↓	↓	✓
6		5735- 102B	↓	↓	↓	✓
7		5735- 102A	↓	↓	↓	✓
8		5735- 102B	↓	↓	↓	✓
9		5735- 103A	↓	↓	↓	✓
10		5735- 103B	↓	↓	↓	✓

RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Your Project #: 5738-AB

Attention: Aneet Bains

KINETIC OHS SERVICES LTD.
#202 – 1520 Barrow Street
NORTH VANCOUVER, BC
CANADA V7J 1B7

Your C.O.C. #: 605357-05-01, 605357-06-01, 605357-07-01, 605357-08-01, 605357-10-01, 605357-11-01, 605357-12-01, 605357-13-01, 605357-14-01, 605357-15-01, 605357-16-01, 605357-17-01, 605357-18-01, 605357-19-01, 605357-20-01, 605357-21-01, 605357-02-01

Report Date: 2020/03/09
Report #: R2855552
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C015283
Received: 2020/03/02, 11:13

Sample Matrix: Water
Samples Received: 84

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Lead in DW Average	30	2020/03/02	2020/03/05		
Lead in DW Average	53	2020/03/02	2020/03/06		
Lead in Drinking Water	81	2020/03/04	2020/03/05	AB SOP-00014 / AB SOP-00043	EPA 6020b R2 m
Lead in Drinking Water	3	2020/03/04	2020/03/06	AB SOP-00014 / AB SOP-00043	EPA 6020b R2 m
Lead in Drinking Water	34	2020/03/03	2020/03/04	AB SOP-00014 / AB SOP-00043	EPA 6020b R2 m
Lead in Drinking Water	3	2020/03/03	2020/03/05	AB SOP-00014 / AB SOP-00043	EPA 6020b R2 m
Lead in Drinking Water	4	2020/03/03	2020/03/06	AB SOP-00014 / AB SOP-00043	EPA 6020b R2 m
Lead in Drinking Water	42	2020/03/04	2020/03/05	AB SOP-00014 / AB SOP-00043	EPA 6020b R2 m

Remarks:

Bureau Veritas Laboratories are accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by BV Labs are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in BV Labs profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and BV Labs in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

BV Labs liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. BV Labs has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by BV Labs, unless otherwise agreed in writing. BV Labs is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Bureau Veritas Laboratories Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Your Project #: 5738-AB

Attention: Aneet Bains

KINETIC OHS SERVICES LTD.
#202 – 1520 Barrow Street
NORTH VANCOUVER, BC
CANADA V7J 1B7

Your C.O.C. #: 605357-05-01, 605357-06-01, 605357-07-01, 605357-08-01, 605357-10-01, 605357-11-01, 605357-12-01, 605357-13-01, 605357-14-01, 605357-15-01, 605357-16-01, 605357-17-01, 605357-18-01, 605357-19-01, 605357-20-01, 605357-21-01, 605357-02-01

Report Date: 2020/03/09
Report #: R2855552
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C015283
Received: 2020/03/02, 11:13

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by BV Labs, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

AUTHORIZED REPORT
RAPPORT AUTORISÉ

Bureau Veritas Laboratories
09 Mar 2020 16:28:34

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Customer Solutions, Western Canada Customer Experience Team
Email: customersolutionswest@bvlabs.com
Phone# (604) 734 7276

==========

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Bureau Veritas Laboratories Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

BV Labs Job #: C015283
Report Date: 2020/03/09

KINETIC OHS SERVICES LTD.
Client Project #: 5738-AB

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		XM1550	XM1551	XM1552		XM1553	XM1554		
Sampling Date		2020/03/01 08:30	2020/03/01 08:30	2020/03/01 08:30		2020/03/01 08:30	2020/03/01 08:30		
COC Number		605357-05-01	605357-05-01	605357-05-01		605357-05-01	605357-05-01		
	UNITS	5738-104	5738-105	5738-106	QC Batch	5738-107	5738-108	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	<0.00020	<0.00020	0.0046	9785968	0.11	0.00033	0.00020	9785968
Second bottle Total Lead (Pb)	mg/L	<0.00020	<0.00020	0.0044	9785286	0.10 (1)	0.00075	0.00020	9785300
Average Total Lead (Pb)	mg/L	<0.00020	<0.00020	0.0045	9782646	0.11	0.00054	0.00020	9782646

RDL = Reportable Detection Limit
(1) Matrix Spike outside acceptance criteria due to sample matrix interference.

BV Labs ID		XM1560	XM1561		XM1562	XM1563	XM1564		
Sampling Date		2020/03/01 08:30	2020/03/01 08:30		2020/03/01 08:30	2020/03/01 08:30	2020/03/01 08:30		
COC Number		605357-06-01	605357-06-01		605357-06-01	605357-06-01	605357-06-01		
	UNITS	5738-109	5738-110	QC Batch	5738-111	5738-112	5738-113	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.017	0.00021	9785968	0.00085	0.0010	0.0016	0.00020	9785968
Second bottle Total Lead (Pb)	mg/L	0.0023	<0.00020	9785313	<0.00020	0.00079	0.0015	0.00020	9785300
Average Total Lead (Pb)	mg/L	0.0095	<0.00020	9782646	0.00043	0.00091	0.0016	0.00020	9782646

RDL = Reportable Detection Limit

BV Labs ID		XM1565	XM1566	XM1567	XM1568	XM1569	XM1570		
Sampling Date		2020/03/01 08:30	2020/03/01 09:00	2020/03/01 09:00	2020/03/01 09:00	2020/03/01 09:00	2020/03/01 09:15		
COC Number		605357-07-01	605357-07-01	605357-07-01	605357-07-01	605357-07-01	605357-08-01		
	UNITS	5738-114	5738-115	5738-116	5738-117	5738-118	5738-119	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	<0.00020	<0.00020	0.00080	0.0061	0.0014	0.00074	0.00020	9785968
Second bottle Total Lead (Pb)	mg/L	<0.00020	<0.00020	0.0021	0.0027	<0.00020	0.00031	0.00020	9785300
Average Total Lead (Pb)	mg/L	<0.00020	<0.00020	0.0015	0.0044	0.00070	0.00053	0.00020	9782646

RDL = Reportable Detection Limit

BV Labs ID		XM1571	XM1572	XM1573		XM1574	XM1579		
Sampling Date		2020/03/01 09:15	2020/03/01 09:15	2020/03/01 09:15		2020/03/01 09:15	2020/03/01 09:30		
COC Number		605357-08-01	605357-08-01	605357-08-01		605357-08-01	605357-10-01		
	UNITS	5738-120	5738-121	5738-122	QC Batch	5738-123	5738-124	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	<0.00020	<0.00020	0.00039	9785968	<0.00020	0.0020	0.00020	9785973
Second bottle Total Lead (Pb)	mg/L	<0.00020	<0.00020	<0.00020	9785300	<0.00020	0.00031	0.00020	9785300
Average Total Lead (Pb)	mg/L	<0.00020	<0.00020	<0.00020	9782646	<0.00020	0.0011	0.00020	9782646

RDL = Reportable Detection Limit

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BV Labs Job #: C015283
Report Date: 2020/03/09

KINETIC OHS SERVICES LTD.
Client Project #: 5738-AB

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		XM1580	XM1581	XM1582		XM1583	XM1584		
Sampling Date		2020/03/01 09:30	2020/03/01 09:30	2020/03/01 09:30		2020/03/01 09:30	2020/03/01 09:30		
COC Number		605357-10-01	605357-10-01	605357-10-01		605357-10-01	605357-11-01		
	UNITS	5738-125	5738-126	5738-127	QC Batch	5738-128	5738-129	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.0010	0.0011	<0.00020	9785973	<0.00020	0.0032	0.00020	9785973
Second bottle Total Lead (Pb)	mg/L	<0.00020	0.00030	<0.00020	9785300	<0.00020	0.00030	0.00020	9785313
Average Total Lead (Pb)	mg/L	0.00052	0.00071	<0.00020	9782646	<0.00020	0.0017	0.00020	9782646
RDL = Reportable Detection Limit									

BV Labs ID		XM1585	XM1586	XM1587		XM1588	XM1589		
Sampling Date		2020/03/01 09:30	2020/03/01 09:30	2020/03/01 09:30		2020/03/01 09:30	2020/03/01 09:45		
COC Number		605357-11-01	605357-11-01	605357-11-01		605357-11-01	605357-12-01		
	UNITS	5738-130	5738-131	5738-132	QC Batch	5738-133	5738-134	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.0036	0.00060	0.00094	9785973	0.0012	<0.00020	0.00020	9785973
Second bottle Total Lead (Pb)	mg/L	0.00058	0.00052	0.00092	9785848	0.00040	<0.00020	0.00020	9785313
Average Total Lead (Pb)	mg/L	0.0021	0.00056	0.00093	9782646	0.00081	<0.00020	0.00020	9782646
RDL = Reportable Detection Limit									

BV Labs ID		XM1590	XM1591	XM1592	XM1593	XM1594	XM1595		
Sampling Date		2020/03/01 09:45	2020/03/01 09:45	2020/03/01 09:45	2020/03/01 09:45	2020/03/01 09:45	2020/03/01 09:45		
COC Number		605357-12-01	605357-12-01	605357-12-01	605357-12-01	605357-13-01	605357-13-01		
	UNITS	5738-135	5738-136	5738-137	5738-138	5738-139	5738-140	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	<0.00020	0.13	0.11	0.016	0.45	0.0058	0.00020	9785973
Second bottle Total Lead (Pb)	mg/L	<0.00020	0.053	0.11	0.0015	0.30	0.0022	0.00020	9785848
Average Total Lead (Pb)	mg/L	<0.00020	0.091	0.11	0.0087	0.37	0.0040	0.00020	9782646
RDL = Reportable Detection Limit									

BV Labs ID		XM1596		XM1597	XM1598	XM1599		
Sampling Date		2020/03/01 09:45		2020/03/01 09:45	2020/03/01 09:45	2020/03/01 10:00		
COC Number		605357-13-01		605357-13-01	605357-13-01	605357-14-01		
	UNITS	5738-141	QC Batch	5738-142	5738-143	5738-144	RDL	QC Batch
Elements								
Total Lead (Pb)	mg/L	0.0073	9785973	0.0049	0.12	0.060	0.00020	9785978
Second bottle Total Lead (Pb)	mg/L	0.0023	9785848	0.0053	0.076	0.024	0.00020	9785313
Average Total Lead (Pb)	mg/L	0.0048	9782646	0.0051	0.099	0.042	0.00020	9782646
RDL = Reportable Detection Limit								

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BV Labs Job #: C015283
Report Date: 2020/03/09

KINETIC OHS SERVICES LTD.
Client Project #: 5738-AB

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		XM1600	XM1601	XM1602	XM1603	XM1604		
Sampling Date		2020/03/01 10:00	2020/03/01 10:00	2020/03/01 10:00	2020/03/01 10:00	2020/03/01 10:15		
COC Number		605357-14-01	605357-14-01	605357-14-01	605357-14-01	605357-15-01		
	UNITS	5738-145	5738-146	5738-147	5738-148	5738-149	RDL	QC Batch
Elements								
Total Lead (Pb)	mg/L	0.013	0.092	0.019	0.0060	0.016	0.00020	9785978
Second bottle Total Lead (Pb)	mg/L	0.0012	0.013	0.0034	0.00096	0.0037	0.00020	9785848
Average Total Lead (Pb)	mg/L	0.0069	0.053	0.011	0.0035	0.0096	0.00020	9782646
RDL = Reportable Detection Limit								

BV Labs ID		XM1605	XM1606	XM1607	XM1608		XM1609		
Sampling Date		2020/03/01 10:15	2020/03/01 10:15	2020/03/01 10:15	2020/03/01 10:15		2020/03/01 10:30		
COC Number		605357-15-01	605357-15-01	605357-15-01	605357-15-01		605357-16-01		
	UNITS	5738-150	5738-151	5738-152	5738-153	RDL	5738-154	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.013	0.039	0.0056	0.0097	0.00020	0.56	0.00020	9785978
Second bottle Total Lead (Pb)	mg/L	0.0055	0.049	0.00075	0.0015	0.00020	2.2	0.0010	9785313
Average Total Lead (Pb)	mg/L	0.0091	0.044	0.0032	0.0056	0.00020	1.4	0.00020	9782646
RDL = Reportable Detection Limit									

BV Labs ID		XM1610	XM1611	XM1612	XM1613	XM1614		
Sampling Date		2020/03/01 10:30	2020/03/01 10:30	2020/03/01 10:30	2020/03/01 10:30	2020/03/01 10:45		
COC Number		605357-16-01	605357-16-01	605357-16-01	605357-16-01	605357-17-01		
	UNITS	5738-155	5738-156	5738-157	5738-158	5738-159	RDL	QC Batch
Elements								
Total Lead (Pb)	mg/L	0.015	0.0078	0.016	0.015	0.048	0.00020	9785978
Second bottle Total Lead (Pb)	mg/L	0.077	0.0015	0.0072	0.0071	0.086	0.00020	9785313
Average Total Lead (Pb)	mg/L	0.046	0.0046	0.011	0.011	0.067	0.00020	9782646
RDL = Reportable Detection Limit								

BV Labs ID		XM1615		XM1616	XM1617	XM1618		
Sampling Date		2020/03/01 10:45		2020/03/01 10:45	2020/03/01 10:45	2020/03/01 10:45		
COC Number		605357-17-01		605357-17-01	605357-17-01	605357-17-01		
	UNITS	5738-160	QC Batch	5738-161	5738-162	5738-163	RDL	QC Batch
Elements								
Total Lead (Pb)	mg/L	0.0018	9785978	0.012 (1)	0.00092	0.0010	0.00020	9785981
Second bottle Total Lead (Pb)	mg/L	0.0013	9785848	0.013	0.00058	0.0024	0.00020	9785848
Average Total Lead (Pb)	mg/L	0.0016	9782646	0.012	0.00075	0.0017	0.00020	9782646
RDL = Reportable Detection Limit								
(1) Matrix Spike outside acceptance criteria due to sample matrix interference.								

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BV Labs Job #: C015283
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Client Project #: 5738-AB

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		XM1619	XM1620	XM1621	XM1622	XM1623	XM1624		
Sampling Date		2020/03/01 11:00	2020/03/01 11:00	2020/03/01 11:00	2020/03/01 11:00	2020/03/01 11:00	2020/03/01 11:30		
COC Number		605357-18-01	605357-18-01	605357-18-01	605357-18-01	605357-18-01	605357-19-01		
	UNITS	5738-164	5738-165	5738-166	5738-167	5738-168	5738-169	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.0011	0.00063	0.00097	0.0022	0.00040	0.0034	0.00020	9785981
Second bottle Total Lead (Pb)	mg/L	0.00052	0.00060	0.00029	0.0027	0.00025	0.0012	0.00020	9785852
Average Total Lead (Pb)	mg/L	0.00081	0.00061	0.00063	0.0024	0.00033	0.0023	0.00020	9782646
RDL = Reportable Detection Limit									

BV Labs ID		XM1625	XM1626	XM1627		XM1628		
Sampling Date		2020/03/01 11:30	2020/03/01 11:30	2020/03/01 11:30		2020/03/01 11:30		
COC Number		605357-19-01	605357-19-01	605357-19-01		605357-19-01		
	UNITS	5738-170	5738-171	5738-172	RDL	5738-173	RDL	QC Batch
Elements								
Total Lead (Pb)	mg/L	0.0018	0.011	0.018	0.00020	1.5	0.0010	9785981
Second bottle Total Lead (Pb)	mg/L	0.0022	0.0037	0.0029	0.00020	0.035	0.00020	9785852
Average Total Lead (Pb)	mg/L	0.0020	0.0075	0.010	0.00020	0.75	0.00020	9782646
RDL = Reportable Detection Limit								

BV Labs ID		XM1629	XM1630	XM1631	XM1632	XM1633	XM1634		
Sampling Date		2020/03/01 12:00	2020/03/01 12:00	2020/03/01 12:00	2020/03/01 12:00	2020/03/01 12:00	2020/03/01 12:30		
COC Number		605357-20-01	605357-20-01	605357-20-01	605357-20-01	605357-20-01	605357-21-01		
	UNITS	5738-174	5738-175	5738-176	5738-177	5738-178	5738-179	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.00077	0.00028	0.0011	0.0020	0.0083	0.00082	0.00020	9785981
Second bottle Total Lead (Pb)	mg/L	0.00021	<0.00020	0.00076	0.0013	0.0018	0.00039	0.00020	9785852
Average Total Lead (Pb)	mg/L	0.00049	<0.00020	0.00092	0.0017	0.0050	0.00060	0.00020	9782646
RDL = Reportable Detection Limit									

BV Labs ID		XM1635	XM1636	XM1637		XM1638		
Sampling Date		2020/03/01 12:30	2020/03/01 12:30	2020/03/01 12:30		2020/03/01 12:30		
COC Number		605357-21-01	605357-21-01	605357-21-01		605357-21-01		
	UNITS	5738-180	5738-181	5738-182	QC Batch	5738-183	RDL	QC Batch
Elements								
Total Lead (Pb)	mg/L	0.00086	0.0020	0.00060	9785989	0.0017	0.00020	9785989
Second bottle Total Lead (Pb)	mg/L	0.00048	0.00052	0.00049	9785852	0.00076	0.00020	9785865
Average Total Lead (Pb)	mg/L	0.00067	0.0013	0.00054	9782646	0.0012	0.00020	9782646
RDL = Reportable Detection Limit								

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BV Labs Job #: C015283
Report Date: 2020/03/09

KINETIC OHS SERVICES LTD.
Client Project #: 5738-AB

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		XM1639			XM1640	XM1641	XM1642		
Sampling Date		2020/03/01 13:00			2020/03/01 13:00	2020/03/01 13:00	2020/03/01 13:00		
COC Number		605357-02-01			605357-02-01	605357-02-01	605357-02-01		
	UNITS	5738-184	RDL	QC Batch	5738-185	5738-186	5738-187	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.0021	0.00020	9785989	0.0034	0.0046	0.013	0.00020	9785989
Second bottle Total Lead (Pb)	mg/L				0.00082	0.0025	0.023	0.00020	9785865
Average Total Lead (Pb)	mg/L				0.0021	0.0035	0.018	0.00020	9782646
RDL = Reportable Detection Limit									

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GENERAL COMMENTS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER) Comments	
Sample XM1609 [5738-154]	Lead in Drinking Water: RDL raised due to concentration over linear range, sample dilution required.
Sample XM1628 [5738-173]	Lead in Drinking Water: RDL raised due to concentration over linear range, sample dilution required.

Results relate only to the items tested.

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			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9785286	Second bottle Total Lead (Pb)	2020/03/05	96	80 - 120	94	80 - 120	<0.00020	mg/L	0.56	20
9785300	Second bottle Total Lead (Pb)	2020/03/04	NC	80 - 120	96	80 - 120	<0.00020	mg/L	0.59	20
9785313	Second bottle Total Lead (Pb)	2020/03/04	102	80 - 120	96	80 - 120	<0.00020	mg/L	2.6	20
9785848	Second bottle Total Lead (Pb)	2020/03/05	103	80 - 120	101	80 - 120	<0.00020	mg/L	4.4	20
9785852	Second bottle Total Lead (Pb)	2020/03/05	98	80 - 120	94	80 - 120	<0.00020	mg/L	0.86	20
9785865	Second bottle Total Lead (Pb)	2020/03/05	95	80 - 120	96	80 - 120	<0.00020	mg/L	0.52	20
9785968	Total Lead (Pb)	2020/03/05	102	80 - 120	101	80 - 120	<0.00020	mg/L	NC	20
9785973	Total Lead (Pb)	2020/03/05	104	80 - 120	103	80 - 120	<0.00020	mg/L	2.2	20
9785978	Total Lead (Pb)	2020/03/05	102	80 - 120	100	80 - 120	<0.00020	mg/L	0.24	20
9785981	Total Lead (Pb)	2020/03/05	123 (1)	80 - 120	95	80 - 120	<0.00020	mg/L	2.6	20
9785989	Total Lead (Pb)	2020/03/05	97	80 - 120	95	80 - 120	<0.00020	mg/L	0.73	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

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BV Labs Job #: C015283
Report Date: 2020/03/09

KINETIC OHS SERVICES LTD.
Client Project #: 5738-AB

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

David Huang, M.Sc., P.Chem., QP, Scientific Services Manager

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

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C015283_COC

Invoice To	
Company Name	#11406 KINETIC OHS SERVICES LTD
Contact Name	Accounts Payable
Address	#202 – 1520 Barrow Street
	NORTH VANCOUVER BC V7J 1B7
Phone	(604) 986-0059
Email	accounts@kineticohs.com

Report Information	
Contact Name	Aneet Bains

Project Information	
Quotation #	B71255
Project #	5738-AB

Regulatory Criteria: BC Water Quality ☑

	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Lead in Drinking Water
1	5738-104A	[illegible]	8:30	Water	✓
2	5738-104B	↓	↓	↓	✓
3	5738-105A	↓	↓	↓	✓
4	5738-105B	↓	↓	↓	✓
5	5738-106A	↓	↓	↓	✓
6	5738-106B	↓	↓	↓	✓
7	5738-107A	↓	↓	↓	✓
8	5738-107B	↓	↓	↓	✓
9	5738-108A	↓	↓	↓	✓
10	5738-108B	↓	↓	↓	✓

Relinquished by: Aneet Bains [illegible] 11:42

Received by: [illegible]

Temperature: 11, 13, 12

104

C015283_COC

Invoice To	
Company Name	#11486 KINETIC OHS SERVICES LTD.
Contact Name	Accounts Payable
Address	#202 – 1520 Barrow Street, NORTH VANCOUVER BC V7J 1B7
Phone	(604) 986-0299
Email	accounts@kineticohs.com; [illegible]

Report Information	
Contact Name	Ansel Burns
Email	[illegible]@kineticohs.com

Project Information	
Quotation #	B71256
Project #	5738-A8

Regulatory Criteria: ☑ BC Water Quality

Turnaround Time (TAT) Required: Regular (Standard) TAT ☑

SAMPLES MUST BE KEPT COOL FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

#	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Lead in Drinking Water
1		5738-109A	21/03/22	830	water	✓
2		5738-109B	↓	↓	↓	✓
3		5738-110A	↓	↓	↓	✓
4		5738-110B	↓	↓	↓	✓
5		5738-111A	↓	↓	↓	✓
6		5738-111B	↓	↓	↓	✓
7		5738-112A	↓	↓	↓	✓
8		5738-112B	↓	↓	↓	✓
9		5738-113A	↓	↓	↓	✓
10		5738-113B	↓	↓	↓	✓

Relinquished by	Date	Time	Received by	Date	Time	Jars used and not submitted	Temperature (°C) on Receipt
Ansel Burns	22/03/22	11:12	[illegible]	22/03/22	11:13	NA	11, 10, 12

Custody Seal Intact on Cooler? NA

Page 3 of 7

Invoice To:
Company Name: #11486 KINETIC OHS SERVICES LTD
Contact Name: Accounts Payable
Address: #202 – 1520 Barrow Street
NORTH VANCOUVER BC V7J 1B7
Phone: (604) 988-0099
Email: accounts@kineticohs.com, harvey@kineticohs.com

Report Information
Contact Name: Ameet Bains

Project Information
Quotation #: B71253
Project #: 5738AB

C015283_COC

Chain Of Custody Record

Regulatory Criteria: BC Water Quality (checked)

Turnaround Time (TAT) Required: Regular (Standard) TAT (checked)

SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

#	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Lead in Drinking Water
1		5738-114A	01/03/20	9:00	Water	✓
2		5738-114B	↓	↓	↓	✓
3		5738-115A	↓	↓	↓	✓
4		5738-115B	↓	↓	↓	✓
5		5738-116A	↓	↓	↓	✓
6		5738-116B	↓	↓	↓	✓
7		5738-117A	↓	↓	↓	✓
8		5738-117B	↓	↓	↓	✓
9		5738-118A	↓	↓	↓	✓
10		5738-118B	↓	↓	↓	✓

Relinquished by: Ameet Bains — Date: [illegible] — Time: [illegible]
Received by: [illegible signature] — Date: [illegible] — Time: [illegible]

[illegible fine print]

C015283_COC

Chain Of Custody Record

INVOICE TO:

Company Name: #11486 KINETIC OHS SERVICES LTD
Contact Name: Accounts Payable
Address: #202 - 1520 Barrow Street, NORTH VANCOUVER BC V7J 1B7
Phone: (604) 988-0099
Email: accounts@kineticohs.com

Report Information

Contact Name: Aneet Bains
Email: aneet@kineticohs.com

Project Information

Quotation #: B71255
Project #: 5738-AR

Regulatory Criteria: BC Water Quality (checked)

Turnaround Time (TAT) Required: Regular (Standard) TAT (checked)

SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

#	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix
1		5738-119A	01/08/22	9:15	[illegible]
2		5738-119B	↓	↓	↓
3		5738-120A	↓	↓	↓
4		5738-120B	↓	↓	↓
5		5738-121A	↓	↓	↓
6		5738-[illegible]B	↓	↓	↓
7		5738-122A	↓	↓	↓
8		5738-122B	↓	↓	↓
9		5738-123A	↓	↓	↓
10		5738-123B	↓	↓	↓

Relinquished by: Aneet Bains — Date: [illegible] — Time: 11:12

Received by: [illegible] — Date: 2022/08/[illegible] — Time: 11:12

Jars used and not submitted: NA

Temperature (°C) on Receipt: 11, 10, 12

INVOICE TO:

Company Name: #11485 KINETIC GHS SERVICES LTD.
Contact Name: Accounts Payable
Address: #202 – 1520 Barrow Street
NORTH VANCOUVER BC V7J 1B7
Phone: (604) 988-0286
Email: accounts@kineticghs.com; harvey@kineticghs.com

Report Information

Contact Name: Aneet Bains
Email: aneet@kineticghs.com

Project Information

B71258
5738-AB

C015283_COC

Chain Of Custody Record

Regulatory Criteria: [illegible]

- ☐ CSR
- ☐ CCME
- ☑ BC Water Quality
- ☐ Other

Turnaround Time (TAT) Required: Regular (Standard) TAT ☑

SAMPLES MUST BE KEPT COOL [illegible] FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

#	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Metals Field Filtered (Y/N)	Lead in Drinking Water
1		5738-124A	01/03/20	9:30	Water		✓
2		5738-124B	↓	↓	↓		✓
3		5738-125A					✓
4		5738-125B					✓
5		5738-126A					✓
6		5738-126B					✓
7		5738-127A					✓
8		5738-127B					✓
9		5738-128A					✓
10		5738-128B	↓	↓	↓		✓

Relinquished by: Aneet Bains — Date: 20/03/02 — Time: [illegible]
Received by: [illegible] — Date: 20/03/02 — Time: [illegible]

[illegible] NA — 8, 10, 12 — NA

Page 6 · 17

C015283_COC

INVOICE TO:

Company Name	#11465 KINETIC OHS SERVICES LTD.
Contact Name	Accounts Payable
Address	#202 - 1520 Barrow Street
	NORTH VANCOUVER BC V7J 1B7
Phone	(604) 988-3589
Email	accounts@kineticohs.com;hawey@kineticohs.com

Report Information

Contact Name	Anoet Haans
Email	anoet@kineticohs.com

Project Information

Quotation #	871256
Project #	5738.AR

Regulatory Criteria:

- [ ]
- [ ]
- [x] BC Water Quality
- [ ] Other

Turnaround Time (TAT) Required:

- [x] Regular (Standard) TAT

SAMPLES MUST BE KEPT COOL FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

#	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Lead in Drinking Water
1		5738-129A	01/03/20	9:30	Water	✓
2		5738-129B	↓	↓	↓	✓
3		5738-130A				✓
4		5738-130B				✓
5		5738-131A				✓
6		5738-131B				✓
7		5738-132A				✓
8		5738-132B				✓
9		5738-133A				✓
10		5738-133B				✓

Relinquished by: Preet Bains — 20/03/22 — 11:12

Received by: [illegible] — 23/03/22 — 11:15

NA

Lab Use Only: 11.10.11 NA

BNO

Bureau Veritas Canada (2019) Inc.

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C015283_COC

INVOICE TO:

Company Name	#11488 KINETIC OHS SERVICES LTD
Contact Name	Accounts Payable
Address	#202 – 1520 Barrow Street
	NORTH VANCOUVER BC V7J 1B7
Phone	(604) 988-0039
Email	accounts@kineticohs.com harvey@kineticohs.com

Report Information

Company Name	
Contact Name	Angel Bains
Address	
Phone	
Email	angel@kineticohs.com

Project Information

Quotation #	B77255
P.O. #	
Project #	5738-AB
Project Name	
Site #	
Sampled By	

Chain Of Custody Record | Project Manager

Regulatory Criteria: ☐ CSR ☐ CCME ☑ BC Water Quality ☐ Other

Turnaround Time (TAT) Required: Regular (Standard) TAT ☑

SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

#	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Metals Field Filtered? (Y/N)	Lead in Drinking Water
1		5738-134A	21/3/20	9:45	Water		✓
2		5738-134B	↓	↓	↓		✓
3		5738-135A					✓
4		5738-135B					✓
5		5738-136A					✓
6		5738-136B					✓
7		5738-137A					✓
8		5738-137B					✓
9		5738-138A					✓
10		5738-138B					✓

Relinquished By (Signature/Print)	Date	Time	Received By (Signature/Print)	Date	Time	# jars used and not submitted	Lab Use Only	Temperature (°C) on Receipt
Angel Bains	21/03/20	11:12	[illegible]	21/3/20	1:13	NA	☐	11,14,12

Custody Seal Intact on Cooler? NA ☐ Yes ☐ No

Bureau Veritas Canada (2019) Inc.

8 of 17

C015283_COC

Invoice To

Company Name	#11488 KINETIC OHS SERVICES LTD
Contact Name	Accounts Payable
Address	#207 – 1320 Barrow Street, NORTH VANCOUVER BC V7J 1B7
Phone	(604) 988-0099
Email	accounts@kineticohs.com; harvey@kineticohs.com

Report Information

Contact Name	Aneet Bains
Email	aneet@kineticohs.com

Project Information

Quotation #	B71285
Project #	5738-AB

Regulatory Criteria: ☑ BC Water Quality

Lead in Drinking Water

Turnaround Time (TAT) Required: ☑ Regular (Standard) TAT

SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

#	Sample Location / Identification	Date Sampled	Time Sampled	Matrix	Lead in Drinking Water
1	5738-139A	21/03/20	9:45	Water	✓
2	5738-139B	↓	↓	↓	✓
3	5738-140A	↓	↓	↓	✓
4	5738-140B	↓	↓	↓	✓
5	5738-142A	↓	↓	↓	✓
6	5738-142B	↓	↓	↓	✓
7	5738-142A	↓	↓	↓	✓
8	5738-142B	↓	↓	↓	✓
9	5738-143A	↓	↓	↓	✓
10	5738-143B	↓	↓	↓	✓

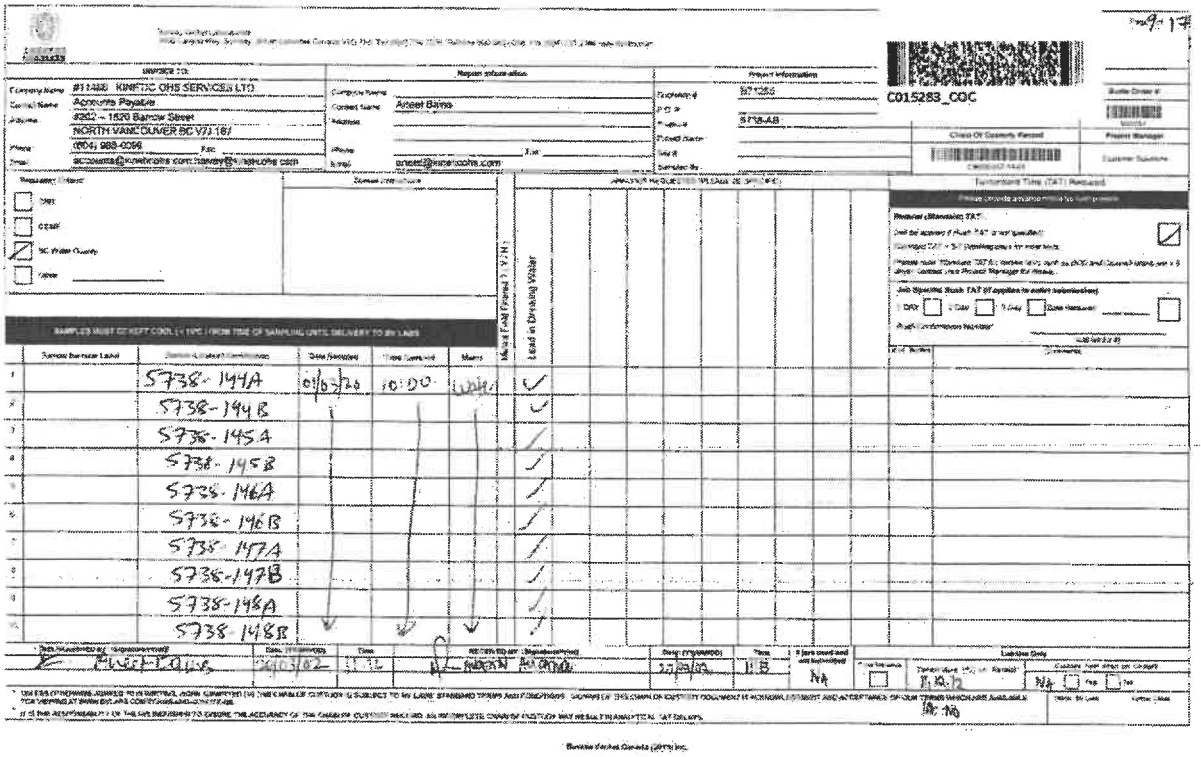
Relinquished by: Aneet Bains — Date: 20/21/02 — Time: [illegible]

Received by: Adeal Alcantara — Date: 21/03/02 — Time: [illegible]

NA

Temperature: 11, 10, 12 — NA

IBS-NO



C015283_COC

	Sample Barcode Label	Sample Location/Identification	Date Sampled	Time Sampled	Matrix	Metal Field Filtered (Y/N)?	Lead in Drinking Water
1		5738-144A	01/03/20	10:00	WATER		✓
2		5738-144B	"	"	"		✓
3		5738-145A	"	"	"		✓
4		5738-145B	"	"	"		✓
5		5738-146A	"	"	"		✓
6		5738-146B	"	"	"		✓
7		5738-147A	"	"	"		✓
8		5738-147B	"	"	"		✓
9		5738-148A	"	"	"		✓
10		5738-148B	"	"	"		✓

INVOICE TO:	
Customer Name	#11456 KINETIC OHS SERVICES LTD
Contact Name	Accounts Payable
Address	#202 - 1520 Barrow Street
	NORTH VANCOUVER BC V7J 1B7
Phone	(604) 988-0088
Email	accounts@kineticohs.com harvey@kineticohs.com

Report Information	
Company Name	
Contact Name	Aneet Bains
Email	aneet@kineticohs.com

Project Information	
Quotation #	B71255
Project #	5738-AB

C015283_COC

Chain Of Custody Record

Regulatory Criteria: BC Water Quality (checked)

Lead in Drinking Water

SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

#	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix
1		5738-149A	[illegible]	10:15	W
2		5738-149B	↓	↓	↓
3		5738-150A	↓	↓	↓
4		5738-150B	↓	↓	↓
5		5738-151A	↓	↓	↓
6		5738-151B	↓	↓	↓
7		5738-152A	↓	↓	↓
8		5738-152B	↓	↓	↓
9		5738-153A	↓	↓	↓
10		5738-153B	↓	↓	↓

Turnaround Time (TAT) Required

Bureau Veritas Canada (2019) Inc.

Page 1 of 17

INVOICE TO:

Company Name	811498, KINETIC OHS SERVICES LTD.
Contact Name	Accounts Payable
Address	#202 – 1120 Barrow Street
	NORTH VANCOUVER BC V7J 1S7
Phone	(604) 986-2099
Email	accounts@kineticohs.com; harvey@kineticohs.com

Report Information

Contact Name	Aneet Bains
Email	abains@kineticohs.com

Project Information

Quotation #	B71265
Project #	5738.AB

C015283_COC

Chain of Custody Record

Regulatory Criteria: [ ] CSR [ ] CCME [X] BC Water Quality [ ] Other

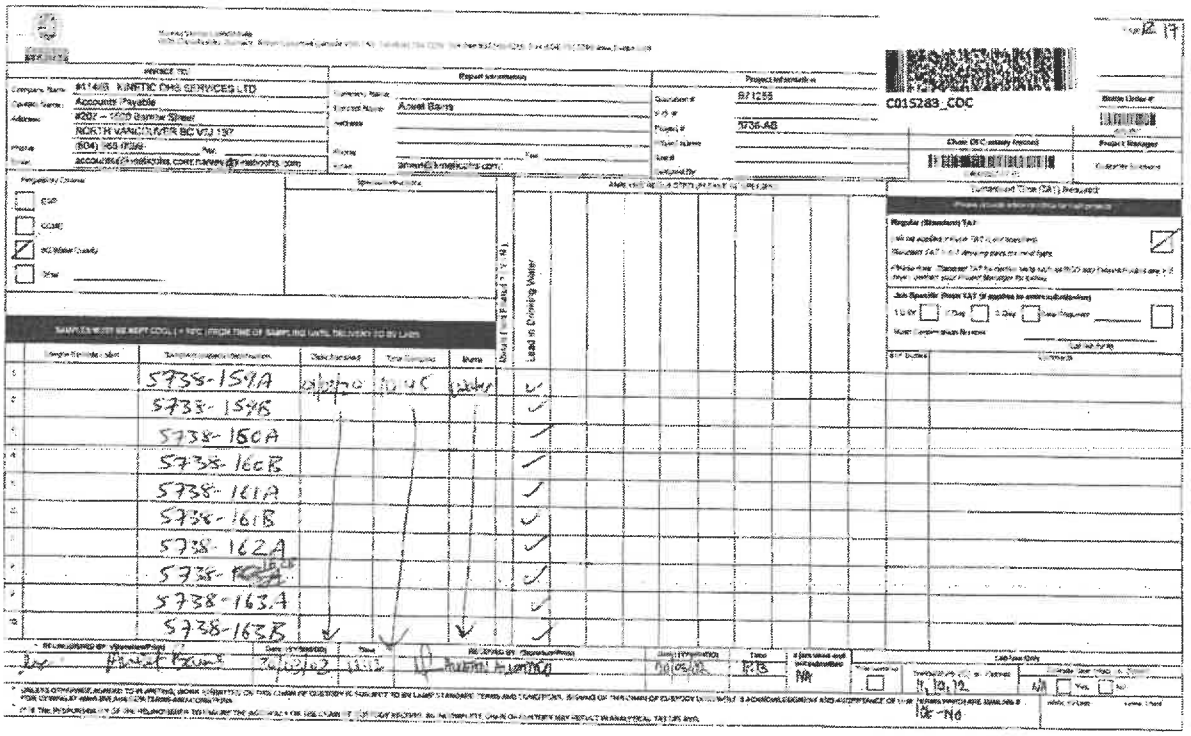
SAMPLES MUST BE KEPT COOL FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

#	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Lead in Drinking Water
1		5738-159A	01/03/20	10:30	Water	✓
2		5738-154B	↓	↓	↓	✓
3		5738-155A	↓	↓	↓	✓
4		5738-155B	↓	↓	↓	✓
5		5738-156A	↓	↓	↓	✓
6		5738-156B	↓	↓	↓	✓
7		5738-157A	↓	↓	↓	✓
8		5738-157B	↓	↓	↓	✓
9		5738-158A	↓	↓	↓	✓
10		5738-156B	↓	↓	↓	✓

Relinquished by: Aneet bains — 20/03/02 — 11:12

Received by: Andrew Ruzzo — 11:13

Regular (Standard) TAT: [X]



C015283_COC

	Sample Identification	Date Sampled	Time Sampled	Matrix	Lead in Drinking Water
1	5738-159A	10/10/12	10:45	Water	✓
2	5738-159B				✓
3	5738-160A				✓
4	5738-160B				✓
5	5738-161A				✓
6	5738-161B				✓
7	5738-162A				✓
8	5738-162B				✓
9	5738-163A				✓
10	5738-163B				✓

INVOICE TO:

Company Name: #11486 KINETIC OHS SERVICES LTD
Contact Name: Accounts Payable
Address: #212 – 1520 Barrow Street
NORTH VANCOUVER BC V7J 1B7
Phone: (604) 986-2089
Email: accounts@kineticohs.com

Contact Name: Ameet Bains

Quote #: B71555
Project #: 5738.AB

C015283_COC

☑ BC Water Quality

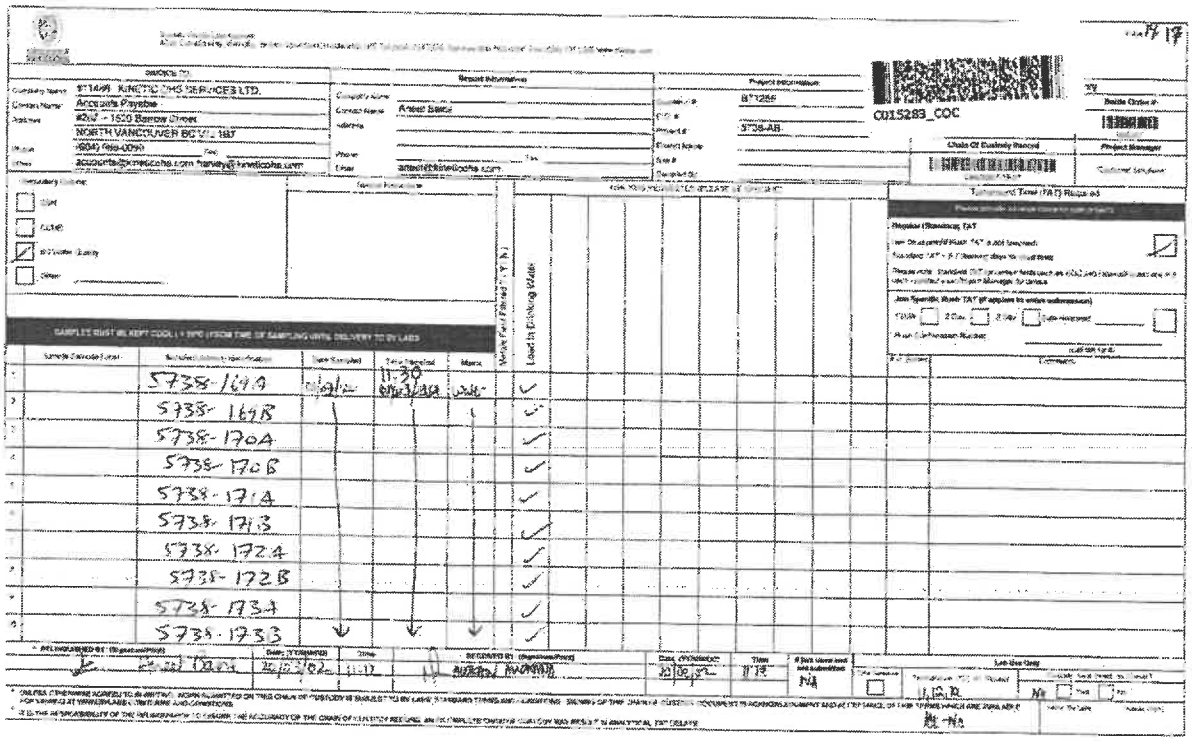
#	Sample ID	Date Sampled	Time Sampled	Matrix	Lead in Drinking Water
1	5738-164A	01/03/20	11:00	Water	✓
2	5738-164B	↓	↓	↓	✓
3	5738-165A	↓	↓	↓	✓
4	5738-165B	↓	↓	↓	✓
5	5738-166A	↓	↓	↓	✓
6	5738-166B	↓	↓	↓	✓
7	5738-167A	↓	↓	↓	✓
8	5738-167B	↓	↓	↓	✓
9	5738-168A	↓	↓	↓	✓
10	5738-168B	↓	↓	↓	✓

Relinquished by: Ameet Bains — 26/03/20 — 11:12
Received by: [illegible] — 30/03/20 — 11:13

NA

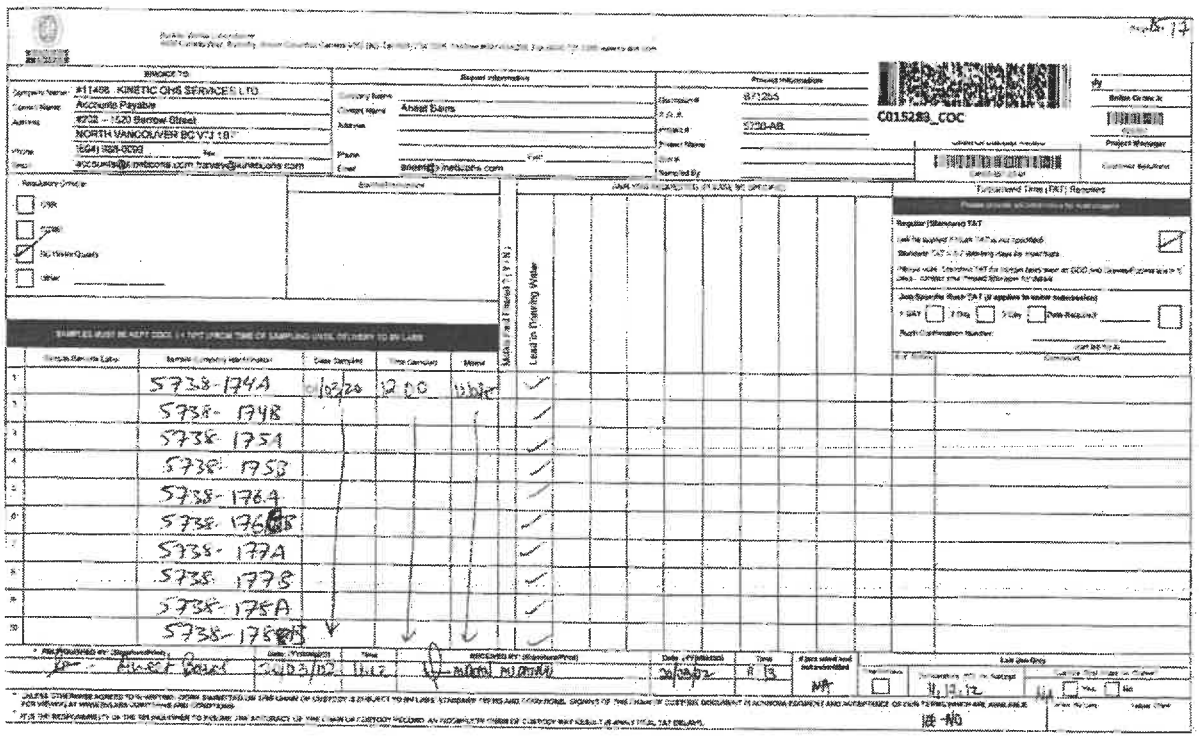
8, 12, 12

NO



C015283_COC

5738-169	
5738-169B	
5738-170A	
5738-170B	
5738-171A	
5738-171B	
5738-172A	
5738-172B	
5738-173A	
5738-173B	



	Sample Barcode Label	Sample Identification	Date Sampled	Time Sampled	Matrix	Lead in Drinking Water
1		5738-174A	02/20	12:00		✓
2		5738-174B				✓
3		5738-175A				✓
4		5738-175B				✓
5		5738-176A				✓
6		5738-176B				✓
7		5738-177A				✓
8		5738-177B				✓
9		5738-178A				✓
10		5738-178B				✓

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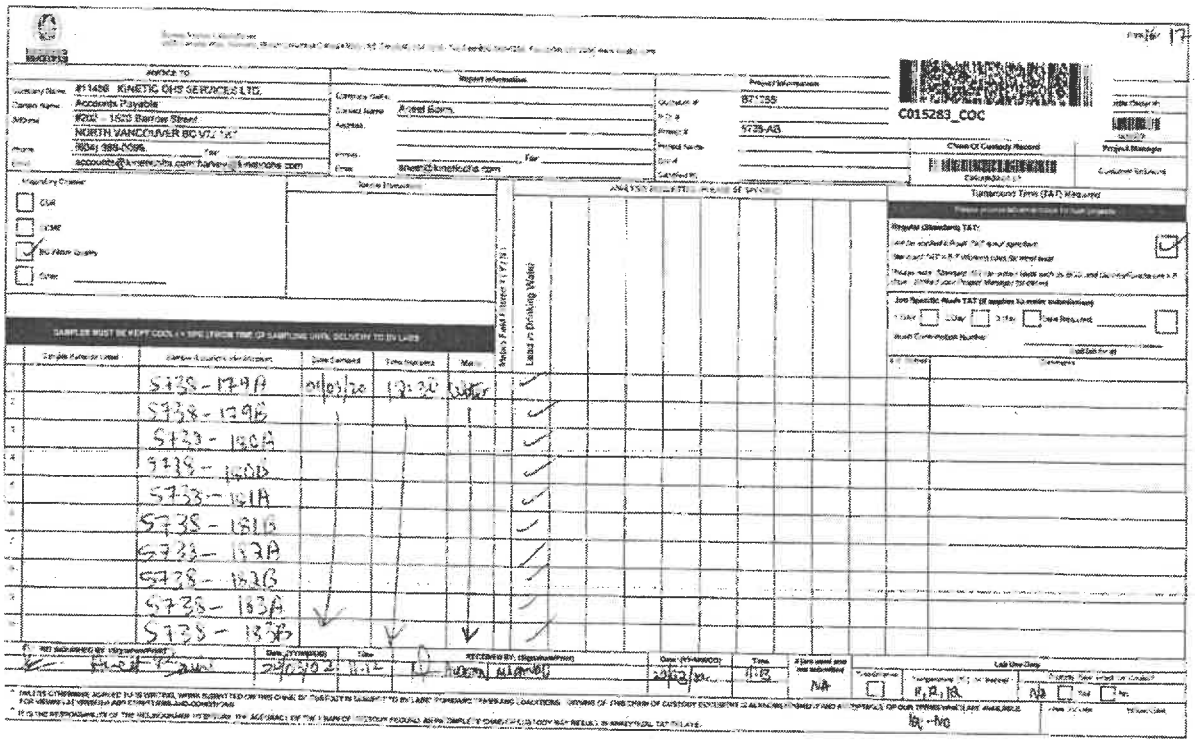


C015283_COC

Page 26 of 27

C015283_COC

Page 17 of 17

Invoice To	
Company Name	#11486 KINETIC OHS SERVICES LTD
Contact Name	Accounts Payable
Address	#202 - 1529 Barrow Street
	NORTH VANCOUVER BC V7J 1B7
Phone	(604) 358-0098
Email	accounts@kineticohs.com; [illegible]@kineticohs.com

Report Information	
Company Name	
Contact Name	Angel Bains
Address	
Phone	
Email	angel@kineticohs.com

Project Information	
Quotation #	[illegible]
P.O. #	
Project #	5738 AG
Project Name	
Site #	

Regulatory Criteria: ☑ BC Water Quality

Lead in Drinking Water

Turnaround Time (TAT) Required: Regular (Standard) TAT ☑

SAMPLES MUST BE KEPT COOL FROM TIME OF SAMPLING UNTIL DELIVERY TO LABS

#	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Lead in Drinking Water
1	5738-184A	20/10/12	1:00	WH	✓
2	5738-184B	↓	↓	↓	✓
3	5738-185A				✓
4	5738-185B				✓
5	5738-186A				✓
6	5738-186B				✓
7	5738-187A				✓
8	5738-187B	✓	↓	↓	✓
9					
10					

Relinquished by (Signature/Print)	Date (YY/MM/DD)	Time	Received by (Signature/Print)	Date	Time
Angel Bains	20/10/12	1:12	[illegible]	20/10/13	11:13

NA

11, 13, 12

[illegible]

Your Project #: 5738-AB

Attention: Aneet Bains

KINETIC OHS SERVICES LTD.
#202 – 1520 Barrow Street
NORTH VANCOUVER, BC
CANADA V7J 1B7

Your C.O.C. #: 606809-04-01, 606809-05-01, 606809-07-01, 606809-08-01, 606809-09-01, 606809-10-01, 606809-11-01, 606809-12-01, 606809-13-01, 606809-18-01

Report Date: 2020/03/13
Report #: R2857615
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C017488
Received: 2020/03/09, 12:05

Sample Matrix: Water
Samples Received: 46

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Lead in DW Average	27	2020/03/09	2020/03/12		
Lead in DW Average	19	2020/03/09	2020/03/13		
Lead in Drinking Water	46	2020/03/11	2020/03/12	AB SOP-00014 / AB SOP-00043	EPA 6020b R2 m
Lead in Drinking Water	46	2020/03/11	2020/03/12	AB SOP-00014 / AB SOP-00043	EPA 6020b R2 m

Remarks:

Bureau Veritas Laboratories are accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by BV Labs are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in BV Labs profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and BV Labs in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

BV Labs liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. BV Labs has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by BV Labs, unless otherwise agreed in writing. BV Labs is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by BV Labs, results relate to the supplied samples tested.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Bureau Veritas Laboratories Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Your Project #: 5738-AB

Attention: Aneet Bains

KINETIC OHS SERVICES LTD.
#202 – 1520 Barrow Street
NORTH VANCOUVER, BC
CANADA V7J 1B7

Your C.O.C. #: 606809-04-01, 606809-05-01, 606809-07-01, 606809-08-01, 606809-09-01, 606809-10-01, 606809-11-01, 606809-12-01, 606809-13-01, 606809-18-01

Report Date: 2020/03/13
Report #: R2857615
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C017488
Received: 2020/03/09, 12:05

Encryption Key

Bureau Veritas Laboratories
13 Mar 2020 11:30:56

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Customer Solutions, Western Canada Customer Experience Team
Email: customersolutionswest@bvlabs.com
Phone# (604) 734 7276

==========

This report has been generated and distributed using a secure automated process.
BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Bureau Veritas Laboratories Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		XN1294	XN1295	XN1296	XN1297	XN1298	XN1299		
Sampling Date		2020/03/08 07:00	2020/03/08 07:00	2020/03/08 07:00	2020/03/08 07:00	2020/03/08 07:00	2020/03/08 08:00		
COC Number		606809-04-01	606809-04-01	606809-04-01	606809-04-01	606809-04-01	606809-05-01		
	UNITS	5738-190	5738-191	5738-192	5738-193	5738-194	5738-195	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.0013	0.00060	0.00095	0.00031	0.00043	0.015	0.00020	9794204
Second bottle Total Lead (Pb)	mg/L	0.0017	0.00093	0.00077	0.00055	0.00028	0.0020	0.00020	9794448
Average Total Lead (Pb)	mg/L	0.0015	0.00076	0.00086	0.00043	0.00036	0.0087	0.00020	9791717
RDL = Reportable Detection Limit									

BV Labs ID		XN1300	XN1301	XN1302	XN1303	XN1305	XN1306		
Sampling Date		2020/03/08 08:00	2020/03/08 08:00	2020/03/08 08:00	2020/03/08 08:00	2020/03/08 08:15	2020/03/08 08:15		
COC Number		606809-05-01	606809-05-01	606809-05-01	606809-05-01	606809-07-01	606809-07-01		
	UNITS	5738-196	5738-197	5738-198	5738-199	5738-200	5738-201	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.00089	0.0054	0.00038	0.0011	<0.00020	<0.00020	0.00020	9794204
Second bottle Total Lead (Pb)	mg/L	0.0067	0.012	0.00032	0.0016	0.00055	<0.00020	0.00020	9794448
Average Total Lead (Pb)	mg/L	0.0038	0.0085	0.00035	0.0013	0.00027	<0.00020	0.00020	9791717
RDL = Reportable Detection Limit									

BV Labs ID		XN1307	XN1308	XN1309	XN1310	XN1311	XN1312		
Sampling Date		2020/03/08 08:15	2020/03/08 08:15	2020/03/08 08:15	2020/03/08 08:30	2020/03/08 08:30	2020/03/08 08:30		
COC Number		606809-07-01	606809-07-01	606809-07-01	606809-08-01	606809-08-01	606809-08-01		
	UNITS	5738-202	5738-203	5738-204	5738-205	5738-206	5738-207	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.00025	0.00062	0.00087	0.089	0.0041	0.0035	0.00020	9794204
Second bottle Total Lead (Pb)	mg/L	0.00031	0.00062	0.00071	0.11	0.0051	0.0011	0.00020	9794448
Average Total Lead (Pb)	mg/L	0.00028	0.00062	0.00079	0.10	0.0046	0.0023	0.00020	9791717
RDL = Reportable Detection Limit									

BV Labs ID		XN1313		XN1314	XN1315	XN1316	XN1317		
Sampling Date		2020/03/08 08:30		2020/03/08 08:30	2020/03/08 08:45	2020/03/08 08:45	2020/03/08 08:45		
COC Number		606809-08-01		606809-08-01	606809-09-01	606809-09-01	606809-09-01		
	UNITS	5738-208	QC Batch	5738-209	5738-210	5738-211	5738-212	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.015	9794204	0.00063	0.00076	0.00064	0.00065	0.00020	9794215
Second bottle Total Lead (Pb)	mg/L	0.0023	9794448	0.00068	0.00055	0.0032	0.00076	0.00020	9794452
Average Total Lead (Pb)	mg/L	0.0086	9791717	0.00065	0.00065	0.0019	0.00071	0.00020	9791717
RDL = Reportable Detection Limit									

Bureau Veritas Laboratories Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

BV Labs Job #: C017488
Report Date: 2020/03/13

KINETIC OHS SERVICES LTD.
Client Project #: 5738-AB

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		XN1318	XN1319	XN1320	XN1321	XN1322	XN1323		
Sampling Date		2020/03/08 08:45	2020/03/08 08:45	2020/03/08 09:00	2020/03/08 09:00	2020/03/08 09:00	2020/03/08 09:00		
COC Number		606809-09-01	606809-09-01	606809-10-01	606809-10-01	606809-10-01	606809-10-01		
	UNITS	5738-213	5738-214	5738-215	5738-216	5738-217	5738-218	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.0016	<0.00020	0.00048	0.00067	0.0039	0.013	0.00020	9794215
Second bottle Total Lead (Pb)	mg/L	0.0028	<0.00020	0.00038	0.00026	0.0011	0.0021	0.00020	9794452
Average Total Lead (Pb)	mg/L	0.0022	<0.00020	0.00043	0.00047	0.0025	0.0076	0.00020	9791717
RDL = Reportable Detection Limit									

BV Labs ID		XN1324	XN1325	XN1326	XN1327	XN1328	XN1329		
Sampling Date		2020/03/08 09:00	2020/03/08 09:15	2020/03/08 09:15	2020/03/08 09:15	2020/03/08 09:15	2020/03/08 09:15		
COC Number		606809-10-01	606809-11-01	606809-11-01	606809-11-01	606809-11-01	606809-11-01		
	UNITS	5738-219	5738-220	5738-221	5738-222	5738-223	5738-224	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.00024	<0.00020	0.00038	0.00063	0.00079	0.00037	0.00020	9794215
Second bottle Total Lead (Pb)	mg/L	<0.00020	<0.00020	0.00071	0.00037	0.00074	<0.00020	0.00020	9794452
Average Total Lead (Pb)	mg/L	<0.00020	<0.00020	0.00054	0.00050	0.00076	<0.00020	0.00020	9791717
RDL = Reportable Detection Limit									

BV Labs ID		XN1330	XN1331	XN1332		XN1333	XN1334		
Sampling Date		2020/03/08 09:30	2020/03/08 09:30	2020/03/08 09:30		2020/03/08 09:30	2020/03/08 09:30		
COC Number		606809-12-01	606809-12-01	606809-12-01		606809-12-01	606809-12-01		
	UNITS	5738-225	5738-226	5738-227	QC Batch	5738-228	5738-229	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	<0.00020	0.00037	<0.00020	9794215	<0.00020	0.0017	0.00020	9794222
Second bottle Total Lead (Pb)	mg/L	<0.00020	0.00044	0.00049	9794452	0.00074	0.00036	0.00020	9794454
Average Total Lead (Pb)	mg/L	<0.00020	0.00041	0.00025	9791717	0.00037	0.0010	0.00020	9791717
RDL = Reportable Detection Limit									

BV Labs ID		XN1335	XN1336	XN1337	XN1338	XN1339	XN1340		
Sampling Date		2020/03/08 09:45	2020/03/08 09:45	2020/03/08 09:45	2020/03/08 09:45	2020/03/08 09:45	2020/03/08 10:00		
COC Number		606809-13-01	606809-13-01	606809-13-01	606809-13-01	606809-13-01	606809-18-01		
	UNITS	5738-230	5738-231	5738-232	5738-233	5738-234	5738-235	RDL	QC Batch
Elements									
Total Lead (Pb)	mg/L	0.00030	0.00041	0.0011	0.0016	0.078	0.00089	0.00020	9794222
Second bottle Total Lead (Pb)	mg/L	0.00033	<0.00020	<0.00020	0.024	0.14	0.00078	0.00020	9794454
Average Total Lead (Pb)	mg/L	0.00031	0.00021	0.00056	0.013	0.11	0.00083	0.00020	9791717
RDL = Reportable Detection Limit									

Bureau Veritas Laboratories Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

GENERAL COMMENTS

Results relate only to the items tested.

Bureau Veritas Laboratories Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

BV Labs Job #: C017488
Report Date: 2020/03/13

QUALITY ASSURANCE REPORT

KINETIC OHS SERVICES LTD.
Client Project #: 5738-AB

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9794204	Total Lead (Pb)	2020/03/12	100	80 - 120	99	80 - 120	<0.00020	mg/L	1.2	20
9794215	Total Lead (Pb)	2020/03/12	101	80 - 120	101	80 - 120	<0.00020	mg/L	2.2	20
9794222	Total Lead (Pb)	2020/03/12	93	80 - 120	99	80 - 120	<0.00020	mg/L	NC	20
9794448	Second bottle Total Lead (Pb)	2020/03/12	98	80 - 120	90	80 - 120	<0.00020	mg/L	0.93	20
9794452	Second bottle Total Lead (Pb)	2020/03/12	99	80 - 120	102	80 - 120	<0.00020	mg/L	3.6	20
9794454	Second bottle Total Lead (Pb)	2020/03/12	99	80 - 120	102	80 - 120	<0.00020	mg/L	1.1	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

Bureau Veritas Laboratories Burnaby: 4606 Canada Way V5E 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

BV Labs Job #: C017488
Report Date: 2020/03/13

KINETIC OHS SERVICES LTD.
Client Project #: 5738-AB

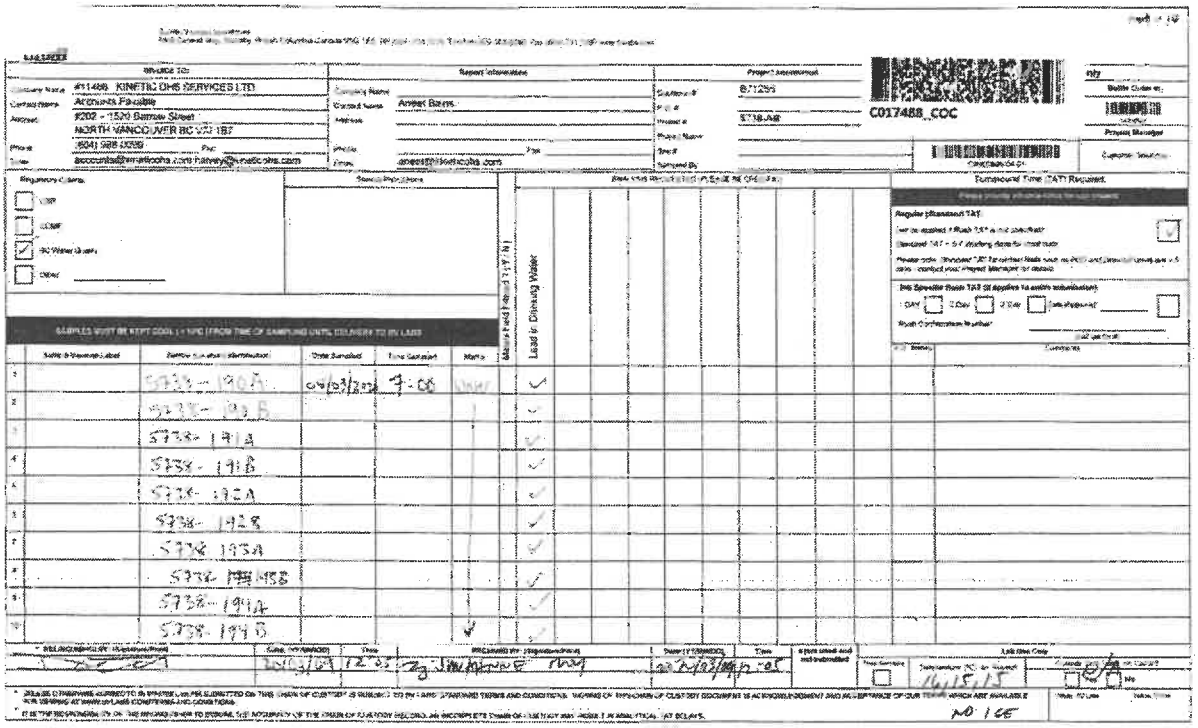
VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Rob Reinert, B.Sc., Scientific Specialist

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Bureau Veritas Laboratories Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386



Bureau Veritas Canada (2019) Inc.

Page 2 of

C017488_COC

INVOICE TO:	
Company Name	#17486 KINETIC OHS SERVICES LTD.
Contact Name	Accounts Payable
Address	#202 – 1525 Barrow Street
	NORTH VANCOUVER BC V7J 1B7
Phone	(604) 988-0099
Email	accounts@kineticohs.com

Report Information	
Contact Name	Ansel Bains
Email	ansel@kineticohs.com

Project Information	
Quotation #	371255
Project #	5738 AB

Regulatory Criteria:

- [ ] CSR
- [ ] CCME
- [x] BC Water Quality
- [ ] Other

SAMPLES MUST BE KEPT COOL FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

Analysis Requested: Lead in Drinking Water

#	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Metals Field Filtered (Y/N)	Lead in Drinking Water
1	5738-195A	[illegible]	5:00	Water		✓
2	5738-195B		↓	↓		✓
3	5738-196A					✓
4	5738-196B					✓
5	5738-197A					✓
6	5738-197B					✓
7	5738-198A					✓
8	5738-198B					✓
9	5738-199A					✓
10	5738-199B					✓

Relinquished by (Signature/Print)	Date	Time	Received by (Signature/Print)	Date	Time
[signature]	[illegible]	12:[illegible]	[signature] WARRINE [illegible]	2020/03/27	12:05

Lab Use Only: 14/15/15 — NA / CE

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Invoice To:

Company Name	#11458 KINETIC OHS SERVICES LTD
Contact Name	Accounts Payable
Address	8202 – 1520 Barrow Street
	NORTH VANCOUVER BC V7J 1B7
Phone	(604) 568 4098
Email	accounts@kineticohs.com harvey@kineticohs.com

Report Information

Contact Name	Anesi Rawls
Email	anesi@kineticohs.com

Project Information

Quotation #	B71285
Project #	5738-AB

C017488_COC

Regulatory Criteria:

- [ ] CSR
- [ ] CCME
- [x] BC Water Quality
- [ ] Other

Turnaround Time (TAT) Required

Regular (Standard) TAT: ☑

SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

#	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Metals Field Filtered? (Y/N)	Lead in Drinking Water	# of Bottles	Comments
1		5738-200 A	2020/03/...	8:15	Water		✓		
2		5738-200 B	↓	↓	↓		✓		
3		5738-201 A	↓	↓	↓		✓		
4		5738-201 B	↓	↓	↓		✓		
5		5738-202 A	↓	↓	↓		✓		
6		5738-202 B	↓	↓	↓		✓		
7		5738-203 A	↓	↓	↓		✓		
8		5738-203 B	↓	↓	↓		✓		
9		5738-204 A	↓	↓	↓		✓		
10		5738-204 B	↓	↓	↓		✓		

Relinquished By (Signature/Print)	Date (YY/MM/DD)	Time	Received By (Signature/Print)	Date (YY/MM/DD)	Time	Lab Use Only: Temperature (°C) on Receipt
[signature]	2020/03/09	12:...	JWRAWN ...	2020/03/09	12:05	16, 15, 15

#11486 KINETIC OHS SERVICES LTD.
Accounts Payable
#202 - 1520 Barrow Street
NORTH VANCOUVER BC V7J 1B7
(604) 988-3035
accounts@kinetic.ohs.com; harvey@kineticohs.com

Contact Name: Aneet Sams
aneet@kineticohs.com

B71255
5738-AB

C017488_COC

Lead in Drinking Water

SAMPLES MUST BE KEPT COOL

	Sample Location	Date Sampled	Time Sampled	Matrix	Lead in Drinking Water
1	5738-205A	[illegible]	8:30	Water	✓
2	5738-205B	↓	↓	↓	✓
3	5738-206A	↓	↓	↓	✓
4	5738-206B	↓	↓	↓	✓
5	5738-207A	↓	↓	↓	✓
6	5738-207B	↓	↓	↓	✓
7	5738-208A	↓	↓	↓	✓
8	5738-208B	↓	↓	↓	✓
9	5738-209A	↓	↓	↓	✓
10	5738-209B	↓	↓	↓	✓

Received by: [illegible] Date: [illegible] Time: 12:25

Bureau Veritas Canada (2019) Inc.

C017488_COC

INVOICE TO:	
Company Name	#11486 KINETIC OHS SERVICES LTD.
Contact Name	Accounts Payable
Address	#202 - 1620 Barrow Street
	NORTH VANCOUVER BC V7J 1B7
Phone	(604) 988-3056
Email	accounts@kineticohs.com [illegible]@kineticohs.com

Report Information	
Contact Name	Aneet Bains
Email	aneet@kineticohs.com

Project Information	
Quote #	871258
Project #	5738-48/

Turnaround Time (TAT) Required: Regular (Standard) TAT ☑

Regulatory Criteria: ☐ [illegible] ☐ [illegible] ☑ BC Water Quality ☐ Other

SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO [illegible] LABS

#	Sample Identification	Date Sampled	Time Sampled	Matrix	Lead in Drinking Water
1	5738-210A	03/04/20[illegible]	3:45	Water	✓
2	5738-210B	↓	↓	↓	✓
3	5738-211A	↓	↓	↓	✓
4	5738-211B	↓	↓	↓	✓
5	5738-212A	↓	↓	↓	✓
6	5738-212B	↓	↓	↓	✓
7	5738-213A	↓	↓	↓	✓
8	5738-213B	↓	↓	↓	✓
9	5738-214A	↓	↓	↓	✓
10	5738-214B	↓	↓	↓	✓

RELINQUISHED BY	Date	Time	RECEIVED BY	Date	Time
[signature]	24/03/04	12:05	[illegible]	[illegible]/03/04	12:05

Invoice To:

Company Name	#11488 KINETIC OHS SERVICES LTD
Contact Name	Accounts Payable
Address	#202 - 1500 Barrow Street
	NORTH VANCOUVER BC V7J 1B7
Phone	(604) 988-0088

Report Information

Contact Name	Angel Harris

Project Information

Quotation #	B71256
Task #	5738-AB

C017488_COC

Drinking Water Quality: ☑

SAMPLES MUST BE KEPT COOL FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

#	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Lead in Drinking Water
1	5738-215A	[illegible]	9:00	Water	✓
2	5738-215B	↓	↓	↓	✓
3	5738-216A				✓
4	5738-216B				✓
5	5738-217A				✓
6	5738-217B				✓
7	5738-218A				✓
8	5738-218B				✓
9	5738-219A				✓
10	5738-219B	↓	↓	↓	✓

Relinquished by: [signature] — Time: 12:45 — Received by: [signature] Wayne [illegible]

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C017488_COC

INVOICE TO:	
Company Name	#11486 KINETIC OHS SERVICES LTD.
Contact Name	Accounts Payable
Address	#202 - 1520 Barrow Street
	NORTH VANCOUVER BC V7J 1B7
Phone	(604) 988-0099
Email	accounts@kineticohs.com; harvey@kineticohs.com

Report Information	
Contact Name	Aneel Bains
Email	aneel@kineticohs.com

Project Information	
Quotation #	B71255
Project #	5738-AB

Regulatory Criteria:

- [ ] CSR
- [ ] CCME
- [x] BC Water Quality
- [ ] Other

Turnaround Time (TAT) Required:

Regular (Standard) TAT: [x]

SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

#	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Metals Field Filtered? (Y/N)	Lead in Drinking Water
1		5738-220A	05/03/20	9:15	Water		✓
2		5738-220B	↓	↓	↓		✓
3		5738-221A					✓
4		5738-221B					✓
5		5738-222A					✓
6		5738-222B					✓
7		5738-223A					✓
8		5738-223B					✓
9		5738-224A					✓
10		5738-224B	↓	↓	↓		✓

Relinquished by (Signature/Print)	Date (YY/MM/DD)	Time	Received by (Signature/Print)	Date (YY/MM/DD)	Time
[signature]	20/03/04	12:25	[signature]	2020/03/04	12:05

Lab Use Only — Temperature (°C) on Receipt: 14, 15, 15

Bureau Veritas Canada (2019) Inc.

C017488_COC

Chain Of Custody Record

Invoice To:

Company Name: 811486 KINETIC OHS SERVICES LTD.
Contact Name: Accounts Payable
Address: #202 - 1520 Barrow Street, NORTH VANCOUVER BC V7J 1B7
Phone: (604) 508-0099
Email: accounts@kineticohs.com; harvey@kineticohs.com

Report Information:

Contact Name: Ameer Bains
Email: ameer@kineticohs.com

Project Information:

Quotation #: B71213
Project #: 5738-A8

Regulatory Criteria: BC Water Quality (checked)

Turnaround Time (TAT) Required: Regular (Standard) TAT (checked)

SAMPLES MUST BE KEPT COOL (1 - 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Lead in Drinking Water
1		5738-225A	25/02/2020	9:30	DW	✓
2		5738-225B	↓	↓	↓	✓
3		5738-226A				✓
4		5738-226B				✓
5		5738-227A				✓
6		5738-227B				✓
7		5738-228A				✓
8		5738-228B				✓
9		5738-229A				✓
10		5738-229B	✓	✓	✓	✓

Relinquished by (Signature/Print)	Date	Time	Received by (Signature/Print)	Date	Time
[signature]	2020/02/...	12:05	[signature] JWAYNE ...	2020/03/...	12:05

Lab Use Only — Temperature (°C) on Receipt: 14,15,15

Bureau Veritas Canada (2019) Inc.

Page 4 of 10

C017488_COC

INVOICE TO:

Company Name	#11488 KINETIC OHS SERVICES LTD
Contact Name	Accounts Payable
Address	#202 – 1520 Barrow Street, NORTH VANCOUVER BC V7J 1B7
Phone	(604) 988-0095
Email	accounts@kineticohs.com; hawey@kineticohs.com

Report Information

Contact Name	Angel Bains
Email	[illegible]@kineticohs.com

Project Information

Quotation #	B71250
Project #	5738-AB

Turnaround Time (TAT) Required: Regular (Standard) TAT ☑

Regulatory Criteria: ☑ BC Water Quality

SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

#	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Metals Field Filtered ? (Y/N)	Lead in Drinking Water
1		5738-230A	09/02/2020	9:45	Water		✓
2		5738-230B	↓	↓	↓		✓
3		5738-231A	↓	↓	↓		✓
4		5738-231B	↓	↓	↓		✓
5		5738-232A	↓	↓	↓		✓
6		5738-232B	↓	↓	↓		✓
7		5738-233A	↓	↓	↓		✓
8		5738-233B	↓	↓	↓		✓
9		5738-234A	↓	↓	↓		✓
10		5738-234B	↓	↓	↓		✓

Relinquished by (Signature/Print)	Date	Time	Received by (Signature/Print)	Date	Time
[signature]	2020/09/[illegible]	12:05	[signature]	2020/09/[illegible]	12:05

Lab Use Only — Temperature (°C) on Receipt: 16, 15, 15

Bureau Veritas Canada (2019) Inc.

C017488_COC

INVOICE TO:	
Company Name	#11468 KINETIC OHS SERVICES LTD
Contact Name	Accounts Payable
Address	#202 – 1520 Barrow Street
	NORTH VANCOUVER BC V7J 1B7
Phone	(604) 988-0099
Email	accounts@kineticohs.com; kbaxey@kineticohs.com

Report Information	
Contact Name	Ahmed Baira
Email	ahmed@kineticohs.com

Project Information	
Quotation #	B71755
Project #	3720-AE

Regulatory Criteria:

- [ ] CSR
- [ ] CCME
- [x] BC Water Quality
- [ ] Other

SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Metals Field Filtered ? (Y / N)	Lead in Drinking Water
1	5738-325A →		[illegible]	10:00	[illegible]		✓
2	5738-325B →		[illegible]	10:00	[illegible]		✓
3							
4							
5							
6							
7							
8							
9							
10							

Turnaround Time (TAT) Required:

- [x] Regular (Standard) TAT
- [ ] Job Specific Rush TAT

RELINQUISHED BY: (Signature/Print) [signature] — Date: [illegible] — Time: 12:05

RECEIVED BY: (Signature/Print) [signature] — Date: [illegible] — Time: [illegible]

Lab Use Only: Temperature (°C) on Receipt: 14, 13, 13

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