APPENDIX 20 2023 CALIBRATION DATA

AGNICO EAGLE

Project : MEL
Location : Eureka

		Sample date	3/1/2023
Parameter	**Type**	**Unit**	
7			
pH	Initial	**pH units**	6
pH	Final	**pH units**	8

AGNICO EAGLE

Project : MEL
Location : Eureka T1

		Sample date	7/21/2023
Parameter	**Type**	**Unit**	
1413			
Conductivity	Initial	**uS/cm**	1261
Conductivity	Final	**uS/cm**	1413

AGNICO EAGLE

Project : MEL
Location : Eureka T2

		Sample date	3/1/2023	7/21/2023
Parameter	**Type**	**Unit**		
1413				
Conductivity	Initial	**uS/cm**	-	1264
Conductivity	Final	**uS/cm**	-	1413
7				
pH	Initial	**pH units**	6	-
pH	Final	**pH units**	7	-

AGNICO EAGLE

Project : MEL
Location : Manta 30+

		Sample date	3/12/2023	4/1/2023	4/2/2023	4/3/2023	4/9/2023	6/15/2023	6/22/2023	7/15/2023	7/16/2023	8/17/2023	8/18/2023	8/19/2023	8/21/2023	8/22/2023	9/15/2023	9/25/2023	10/14/2023
Parameter	**Type**	**Unit**																	
10																			
pH	Initial	**pH units**	10.05	9.85	10.14	10.02	9.98	10.03	10.01	9.99	9.91	10.02	9.94	10	9.97	9.97	10.18	9.97	9.93
pH	Final	**pH units**	10.01	10	10	10	10	10.03	10	10	10	10	10	10	9.99	10	9.99	9.99	10
100																			
Dissolved oxygen	Initial	**%**	100.19	98.3	88.9	109.3	94.3	99.09	99.4	104.1	99.1	93.19	102.59	99.19	99.5	103.09	103.9	103.09	93.8
Dissolved oxygen	Final	**%**	100.3	100.3	100	100.5	100	100	100	104.1	100	101	100.4	99.8	100.3	100.8	100.1	99.9	100.1
12880																			
Conductivity	Initial	**uS/cm**	-	-	-	-	12900	-	-	-	-	-	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	12880	-	-	-	-	-	-	-	-	-	-	-	-
1314																			
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-	-	-	1387	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-	-	-	1412	-	-	-	-	-	-	-
1413																			
Conductivity	Initial	**uS/cm**	-	1399	1416	1407	-	-	-	1409	1410	-	1448	1413	1415	1416	1408	1415	1438
Conductivity	Final	**uS/cm**	-	1413	1413	1413	-	-	-	1413	1413	-	1413	1413	1414	1412	1413	1413	1413
4																			
pH	Initial	**pH units**	4.07	3.91	3.97	4.09	3.99	4.13	3.92	3.97	3.96	4.09	3.93	4.01	4.03	3.86	4.09	4	3.95
pH	Final	**pH units**	3.9	4	4	3.96	3.98	4	3.98	4	4	4	4	4	4.01	3.99	4.01	4	4.01
5000																			
Conductivity	Initial	**uS/cm**	-	-	-	-	-	4899	-	-	-	-	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	5000	-	-	-	-	-	-	-	-	-	-	-
50000																			
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	51000	-	-	-	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	50050	-	-	-	-	-	-	-	-	-	-
7																			
pH	Initial	**pH units**	7.07	6.9	7.01	7.11	6.98	6.86	6.92	6.97	7	7.11	6.92	7.01	7.05	6.9	7.11	7.01	6.94
pH	Final	**pH units**	7.02	7	7.01	6.99	7.01	7.02	7.01	6.98	7	7.01	7	7	7.02	7	7	7	7
80000																			
Conductivity	Initial	**uS/cm**	80110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	80020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

AGNICO EAGLE

Project : MEL
Location : YSI 1

		Sample date	1/9/2023	5/9/2023	5/12/2023	5/13/2023	5/24/2023	5/26/2023	5/31/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	10.06	10	10.01	9.97	10.06	10	-
pH	Final	**pH units**	10	9.99	10	10	10.09	9.97	-
100									
Dissolved oxygen	Initial	**%**	-	102.1	102.6	101.7	101.2	100.7	91.4
Dissolved oxygen	Final	**%**	-	102	102	99.8	100.1	99.9	100.1
100%									
Dissolved oxygen	Initial	**%**	108.7	-	-	-	-	-	-
Dissolved oxygen	Final	**%**	99.9	-	-	-	-	-	-
12880									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
1413									
Conductivity	Initial	**uS/cm**	1413	1397	1413	1419	1436	1420	-
Conductivity	Final	**uS/cm**	1413	1406	1413	1413	1413	1414	-
4									
pH	Initial	**pH units**	4.02	4.01	4.01	3.98	4.07	3.97	-
pH	Final	**pH units**	4.01	4	4	4.01	4	4.01	-
5000									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
7									
pH	Initial	**pH units**	7.07	7.05	7.06	7.05	7.07	7.1	-
pH	Final	**pH units**	7.01	7.01	7	7	7.02	7.09	-

AGNICO EAGLE

Project : MEL
Location : YSI 1

		Sample date	6/8/2023	6/9/2023	6/10/2023	6/11/2023	6/12/2023	6/14/2023	6/18/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	9.97	9.96	9.98	9.95	10.03	10.03	10.03
pH	Final	**pH units**	10.01	10.01	10.05	10.01	9.99	10	10.05
100									
Dissolved oxygen	Initial	**%**	95.5	101.4	98.6	103.8	98	98.4	101.5
Dissolved oxygen	Final	**%**	98	100.1	99	100.1	99.7	100.1	99.9
100%									
Dissolved oxygen	Initial	**%**	-	-	-	-	-	-	-
Dissolved oxygen	Final	**%**	-	-	-	-	-	-	-
12880									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
1413									
Conductivity	Initial	**uS/cm**	1407	1405	1436	1384	1333	1443	1423
Conductivity	Final	**uS/cm**	1415	1413	1413	1414	1415	1413	1413
4									
pH	Initial	**pH units**	3.94	4.05	3.98	3.97	4.12	3.91	3.93
pH	Final	**pH units**	4.09	4	4	4	4.01	4	4.09
5000									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
7									
pH	Initial	**pH units**	7.08	7.03	7.1	7.17	7.14	7.97	7.07
pH	Final	**pH units**	7.02	7.02	7.03	7	7	7.02	7.02

AGNICO EAGLE

Project : MEL
Location : YSI 1

		Sample date	6/19/2023	6/20/2023	6/21/2023	6/24/2023	6/25/2023	6/27/2023	6/27/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	9.99	10.1	10.06	9.96	10.03	-	9.96
pH	Final	**pH units**	10	10.04	10.01	10	9.99	-	10.05
100									
Dissolved oxygen	Initial	**%**	98.1	100.7	99.3	86.4	108.2	-	107.1
Dissolved oxygen	Final	**%**	100.1	99.7	99.8	100.6	99.9	-	98.6
100%									
Dissolved oxygen	Initial	**%**	-	-	-	-	-	-	-
Dissolved oxygen	Final	**%**	-	-	-	-	-	-	-
12880									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	12922	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	12877	-
1413									
Conductivity	Initial	**uS/cm**	1411	1417	1355	1469	1412	-	1411
Conductivity	Final	**uS/cm**	1413	1413	1412	1414	1412	-	1413
4									
pH	Initial	**pH units**	3.93	3.89	3.97	4	4.2	-	3.74
pH	Final	**pH units**	4.01	3.9	3.99	3.99	3.9	-	4
5000									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
7									
pH	Initial	**pH units**	7.17	7.12	7.01	7.03	7.21	-	6.86
pH	Final	**pH units**	7.02	7.01	7	7.01	6.96	-	7.02

AGNICO EAGLE

Project : MEL
Location : YSI 1

		Sample date	6/28/2023	6/29/2023	6/30/2023	6/30/2023	7/1/2023	7/2/2023	7/3/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	10.08	9.99	9.99	-	9.99	10.06	9.92
pH	Final	**pH units**	10.05	10.04	10.03	-	9.99	10.02	10.02
100									
Dissolved oxygen	Initial	**%**	97.8	95.2	98	100.8	101.3	95.5	97.3
Dissolved oxygen	Final	**%**	98.4	99.2	98.4	100	98.6	98.8	101.9
100%									
Dissolved oxygen	Initial	**%**	-	-	-	-	-	-	-
Dissolved oxygen	Final	**%**	-	-	-	-	-	-	-
12880									
Conductivity	Initial	**uS/cm**	-	-	-	-	12795	12980	-
Conductivity	Final	**uS/cm**	-	-	-	-	12881	12869	-
1413									
Conductivity	Initial	**uS/cm**	1407	1405	1418	-	-	-	1402
Conductivity	Final	**uS/cm**	1413	1413	1414	-	-	-	1413
4									
pH	Initial	**pH units**	4	4.02	4	-	3.98	4.1	3.92
pH	Final	**pH units**	4	4	4	-	4	4	3.97
5000									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
7									
pH	Initial	**pH units**	7.05	7.04	7.03	-	7.02	7.12	6.95
pH	Final	**pH units**	7	7.01	7.01	-	7.01	7.01	7.04

AGNICO EAGLE

Project : MEL
Location : YSI 1

		Sample date	7/6/2023	7/9/2023	7/10/2023	7/12/2023	7/14/2023	7/16/2023	7/17/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	10.06	9.91	10.01	9.97	9.97	9.93	9.91
pH	Final	**pH units**	9.99	10.04	10	10	10	10	9.98
100									
Dissolved oxygen	Initial	**%**	104.5	98.1	99.5	99.4	100.5	97.6	-
Dissolved oxygen	Final	**%**	100.1	98.4	99.6	100	99.5	99.2	-
100%									
Dissolved oxygen	Initial	**%**	-	-	-	-	-	-	-
Dissolved oxygen	Final	**%**	-	-	-	-	-	-	-
12880									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
1413									
Conductivity	Initial	**uS/cm**	-	1438	1412	1409	1411	1570	1325
Conductivity	Final	**uS/cm**	-	1414	1414	1413	1413	1413	1413
4									
pH	Initial	**pH units**	4.08	3.84	4.02	3.97	3.99	4.02	3.94
pH	Final	**pH units**	3.98	4	4	4	4	4	4.02
5000									
Conductivity	Initial	**uS/cm**	4951	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	5001	-	-	-	-	-	-
7									
pH	Initial	**pH units**	7.1	6.91	7.06	7	7.12	7.04	7.01
pH	Final	**pH units**	7.04	7.01	7.02	7	7.02	7.07	7

AGNICO EAGLE

Project : MEL
Location : YSI 1

		Sample date	7/23/2023	7/24/2023	7/25/2023	7/26/2023	7/27/2023	7/28/2023	7/29/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	9.95	10.02	9.98	9.96	9.99	9.99	9.95
pH	Final	**pH units**	9.98	9.98	9.99	9.99	9.99	9.99	9.98
100									
Dissolved oxygen	Initial	**%**	98.1	102.4	84.1	95.4	103.8	122.4	100.8
Dissolved oxygen	Final	**%**	100.2	100.1	96.8	99.7	100.5	100.2	99.7
100%									
Dissolved oxygen	Initial	**%**	-	-	-	-	-	-	-
Dissolved oxygen	Final	**%**	-	-	-	-	-	-	-
12880									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
1413									
Conductivity	Initial	**uS/cm**	1350	1295	1412	1408	1423	1411	1416
Conductivity	Final	**uS/cm**	1413	1414	1412	1414	1413	1413	1413
4									
pH	Initial	**pH units**	3.98	4.07	3.94	3.99	4.02	4.03	3.92
pH	Final	**pH units**	3.98	3.99	3.98	4	3.96	3.98	3.98
5000									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
7									
pH	Initial	**pH units**	7.04	7.12	7.03	7.07	7.06	7.1	7.02
pH	Final	**pH units**	7.02	7.04	7.03	7.07	7.03	7.04	7.05

AGNICO EAGLE

Project : MEL
Location : YSI 1

		Sample date	7/30/2023	7/31/2023	7/31/2023	8/3/2023	8/6/2023	8/7/2023	8/11/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	9.95	10.01	-	9.89	9.99	9.98	9.97
pH	Final	**pH units**	9.97	9.98	-	9.97	9.97	10.01	10.01
100									
Dissolved oxygen	Initial	**%**	96.6	106.2	90.2	65.6	130	109	99.2
Dissolved oxygen	Final	**%**	100.2	99.8	100	98.8	100.8	100	100.1
100%									
Dissolved oxygen	Initial	**%**	-	-	-	-	-	-	-
Dissolved oxygen	Final	**%**	-	-	-	-	-	-	-
12880									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
1413									
Conductivity	Initial	**uS/cm**	1410	1415	-	1414	1411	1417	1438
Conductivity	Final	**uS/cm**	1413	1414	-	1413	1413	1413	1413
4									
pH	Initial	**pH units**	3.95	4.02	-	3.88	4.02	4	3.92
pH	Final	**pH units**	3.98	4	-	4.01	4.01	4.01	4
5000									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
7									
pH	Initial	**pH units**	7.05	7.13	-	6.96	7.09	7.13	7.14
pH	Final	**pH units**	7.05	7.05	-	7.05	7.07	7	7

AGNICO EAGLE

Project : MEL
Location : YSI 1

		Sample date	8/12/2023	8/13/2023	8/14/2023	8/19/2023	8/20/2023	8/21/2023	8/27/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	10.01	9.98	9.99	9.99	9.95	10.06	9.98
pH	Final	**pH units**	10	10.01	10	9.97	9.98	9.96	9.98
100									
Dissolved oxygen	Initial	**%**	98.9	109.8	100.4	101.3	97.7	98.7	106.7
Dissolved oxygen	Final	**%**	100.2	100.2	100	98.8	97.4	99	98.8
100%									
Dissolved oxygen	Initial	**%**	-	-	-	-	-	-	-
Dissolved oxygen	Final	**%**	-	-	-	-	-	-	-
12880									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
1413									
Conductivity	Initial	**uS/cm**	1427	1409	1415	1354	-	1390	1339
Conductivity	Final	**uS/cm**	1413	1415	1413	1413	-	1413	1416
4									
pH	Initial	**pH units**	3.99	3.9	3.91	4.08	4.01	4.03	3.87
pH	Final	**pH units**	4	4	4	4.01	4.02	4.03	4
5000									
Conductivity	Initial	**uS/cm**	-	-	-	-	5193	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	5000	-	-
7									
pH	Initial	**pH units**	7.09	7.12	7.13	7.1	7.09	7.18	7.05
pH	Final	**pH units**	7.04	7	7	7.03	7.04	7.09	7.01

AGNICO EAGLE

Project : MEL
Location : YSI 1

		Sample date	11/29/2023	12/30/2023
Parameter	**Type**	**Unit**		
10				
pH	Initial	**pH units**	9.99	9.95
pH	Final	**pH units**	9.97	9.97
100				
Dissolved oxygen	Initial	**%**	100	105.5
Dissolved oxygen	Final	**%**	96.6	100.5
100%				
Dissolved oxygen	Initial	**%**	-	-
Dissolved oxygen	Final	**%**	-	-
12880				
Conductivity	Initial	**uS/cm**	-	-
Conductivity	Final	**uS/cm**	-	-
1413				
Conductivity	Initial	**uS/cm**	-	-
Conductivity	Final	**uS/cm**	-	-
4				
pH	Initial	**pH units**	3.95	3.94
pH	Final	**pH units**	4.03	3.97
5000				
Conductivity	Initial	**uS/cm**	-	-
Conductivity	Final	**uS/cm**	-	-
7				
pH	Initial	**pH units**	7.03	6.99
pH	Final	**pH units**	7.09	7.02

AGNICO EAGLE

Project : MEL
Location : YSI 2

		Sample date	1/7/2023	1/8/2023	1/10/2023	1/17/2023	1/19/2023	1/29/2023	2/4/2023	2/5/2023	2/6/2023	2/19/2023	2/22/2023	3/30/2023	4/5/2023	4/7/2023	4/29/2023	12/29/2023
Parameter	**Type**	**Unit**																
10																		
pH	Initial	**pH units**	9.92	10	10	10.3	10.05	9.87	10.07	9.9	9.98	10.14	6.92	-	10.05	9.95	-	9.96
pH	Final	**pH units**	10.04	10.01	10.01	10.09	10.02	10.04	9.97	9.97	9.97	10.03	10.01	-	9.97	9.98	-	10.02
100																		
Dissolved oxygen	Initial	**%**	-	-	-	-	-	92.4	110	92.8	111.3	100	-	112.8	90	104.4	114	99.4
Dissolved oxygen	Final	**%**	-	-	-	-	-	99.9	99.9	100.2	100.2	100	-	99.5	100.1	99.8	100	100.8
100%																		
Dissolved oxygen	Initial	**%**	97	111.8	90.5	115.2	102.9	-	-	-	-	-	-	-	-	-	-	-
Dissolved oxygen	Final	**%**	100	99.5	100	99.7	99.9	-	-	-	-	-	-	-	-	-	-	-
12880																		
Conductivity	Initial	**uS/cm**	13096	-	-	12840	-	-	-	-	-	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	12891	-	-	12881	-	-	-	-	-	-	-	-	-	-	-	-
1413																		
Conductivity	Initial	**uS/cm**	-	1433	1406	-	-	-	1397	1408	-	-	-	-	1345	-	-	-
Conductivity	Final	**uS/cm**	-	1412	1413	-	-	-	1413	1413	-	-	-	-	1412	-	-	-
4																		
pH	Initial	**pH units**	4.2	4.07	4	4.16	3.92	3.99	4.09	3.83	3.97	4.07	3.91	-	4.03	3.99	-	3.92
pH	Final	**pH units**	4.02	4	4	4.01	3.95	4	3.94	3.99	3.99	4.03	4.01	-	3.99	3.86	-	4.04
7																		
pH	Initial	**pH units**	7.02	6.97	7	7.02	6.94	6.97	7.18	6.95	7.07	7.13	6.89	-	7.15	7.02	-	6.98
pH	Final	**pH units**	7	7.02	7	7	6.97	6.98	7	7.07	7.07	7.05	7.05	-	6.98	6.9	-	7.07
80000																		
Conductivity	Initial	**uS/cm**	-	-	-	-	81759	79935	-	-	80217	80269	81279	-	-	84754	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	80008	80006	-	-	80008	80019	80000	-	-	80001	-	-

AGNICO EAGLE

Project : MEL
Location : YSI 3

		Sample date	6/18/2023	6/25/2023	6/30/2023	7/3/2023	7/4/2023	7/5/2023	7/31/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	9.75	9.89	-	9.8	9.96	10.07	-
pH	Final	**pH units**	10.08	10.09	-	9.99	10	9.98	-
100									
Dissolved oxygen	Initial	**%**	97.5	97.7	94.5	102.9	97.5	98.6	111.7
Turbidity	Initial	NTU	-	-	-	-	-	-	-
Dissolved oxygen	Final	**%**	99.9	97.5	100	99.1	99	98.7	99.9
Turbidity	Final	NTU	-	-	-	-	-	-	-
12880									
Conductivity	Initial	**uS/cm**	-	-	-	12698	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	12884	-	-	-
1413									
Conductivity	Initial	**uS/cm**	1416	1425	-	-	1427	1391	-
Conductivity	Final	**uS/cm**	1413	1413	-	-	1413	1413	-
20									
Turbidity	Initial	NTU	-	-	-	-	-	-	-
Turbidity	Final	NTU	-	-	-	-	-	-	-
4									
pH	Initial	**pH units**	4.05	4.03	-	3.94	3.97	3.99	-
pH	Final	**pH units**	3.98	4.03	-	4	4	4	-
5000									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
7									
pH	Initial	**pH units**	7.35	7.27	-	6.95	7.01	7.06	-
pH	Final	**pH units**	7.98	7.02	-	7.01	7.01	7.01	-
800									
Turbidity	Initial	NTU	-	-	-	-	-	-	-
Turbidity	Final	NTU	-	-	-	-	-	-	-
80000									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-

AGNICO EAGLE

Project : MEL
Location : YSI 3

		Sample date	8/1/2023	8/5/2023	8/20/2023	8/23/2023	8/28/2023	9/2/2023	9/5/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	9.62	9.99	9.93	9.87	10.03	9.99	10.01
pH	Final	**pH units**	9.98	10.01	9.96	10.01	9.96	9.99	9.96
100									
Dissolved oxygen	Initial	**%**	84.5	111.5	100.1	91.1	108.3	98.1	105.2
Turbidity	Initial	NTU	-	-	-	-	-	-	-
Dissolved oxygen	Final	**%**	95.2	97.7	97.4	98.4	99.7	95.6	104
Turbidity	Final	NTU	-	-	-	-	-	-	-
12880									
Conductivity	Initial	**uS/cm**	-	-	12880	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	12250	-	-	-	-
1413									
Conductivity	Initial	**uS/cm**	1429	1414	-	1436	-	1427	1520
Conductivity	Final	**uS/cm**	1413	1413	-	1414	-	1413	1414
20									
Turbidity	Initial	NTU	-	-	-	-	-	-	-
Turbidity	Final	NTU	-	-	-	-	-	-	-
4									
pH	Initial	**pH units**	3.82	3.95	4.02	3.92	4.05	3.99	3.94
pH	Final	**pH units**	3.95	4.03	4	3.96	4.01	4	3.99
5000									
Conductivity	Initial	**uS/cm**	-	-	-	-	4821	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	5001	-	-
7									
pH	Initial	**pH units**	6.84	7.01	7	7.02	7.18	7.05	7.05
pH	Final	**pH units**	7.05	7.06	7.04	7.09	7.02	7.03	7.02
800									
Turbidity	Initial	NTU	-	-	-	-	-	-	-
Turbidity	Final	NTU	-	-	-	-	-	-	-
80000									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-

AGNICO EAGLE

Project : MEL
Location : YSI 3

		Sample date	9/6/2023	9/9/2023	9/10/2023	9/11/2023	9/12/2023	9/13/2023	9/17/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	10.03	9.96	10	10.02	9.93	9.87	9.97
pH	Final	**pH units**	10.01	9.99	10	9.98	9.96	9.97	9.96
100									
Dissolved oxygen	Initial	**%**	106	90.6	99.9	99.8	-	105.9	98.8
Turbidity	Initial	NTU	-	-	-	-	-	-	-
Dissolved oxygen	Final	**%**	99.6	97.5	100	99.8	-	100.1	98.4
Turbidity	Final	NTU	-	-	-	-	-	-	-
12880									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	12877
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	12928
1413									
Conductivity	Initial	**uS/cm**	1410	1203	1401	1440	-	1386	-
Conductivity	Final	**uS/cm**	1413	1413	1413	1413	-	1413	-
20									
Turbidity	Initial	NTU	-	-	-	-	-	-	-
Turbidity	Final	NTU	-	-	-	-	-	-	-
4									
pH	Initial	**pH units**	4.02	3.95	4	4.05	3.93	4	3.97
pH	Final	**pH units**	4	3.99	4.01	3.97	3.99	4	3.96
5000									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
7									
pH	Initial	**pH units**	7.08	7.05	7.01	7.17	7.02	7.03	7.04
pH	Final	**pH units**	7.03	7	7.02	7.05	7.02	7.08	7.04
800									
Turbidity	Initial	NTU	-	-	-	-	-	-	-
Turbidity	Final	NTU	-	-	-	-	-	-	-
80000									
Conductivity	Initial	**uS/cm**	-	-	-	-	81340	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	80030	-	-

AGNICO EAGLE

Project : MEL
Location : YSI 3

		Sample date	9/18/2023	9/20/2023	9/22/2023	9/24/2023	9/25/2023	9/25/2023	9/27/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	9.96	10.03	10.02	9.84	9.97	9.92	10.01
pH	Final	**pH units**	9.97	10.06	10	10.01	9.99	10.03	9.95
100									
Dissolved oxygen	Initial	**%**	126.2	-	111.2	102.3	103.09	99.3	99
Turbidity	Initial	NTU	-	-	-	-	-	-	-
Dissolved oxygen	Final	**%**	100	-	98.4	99.7	99.9	99.7	99.1
Turbidity	Final	NTU	-	-	-	-	-	-	-
12880									
Conductivity	Initial	**uS/cm**	-	14375	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	12486	-	-	-	-	-
1413									
Conductivity	Initial	**uS/cm**	1463	-	-	-	1415	-	1445
Conductivity	Final	**uS/cm**	1413	-	-	-	1413	-	1413
20									
Turbidity	Initial	NTU	-	-	-	-	-	-	-
Turbidity	Final	NTU	-	-	-	-	-	-	-
4									
pH	Initial	**pH units**	3.92	4.18	4.09	4.01	4	3.84	3.95
pH	Final	**pH units**	3.99	4.04	4.01	4	4	4	3.95
5000									
Conductivity	Initial	**uS/cm**	-	-	4350	5002	-	5087	-
Conductivity	Final	**uS/cm**	-	-	5000	5000	-	5084	-
7									
pH	Initial	**pH units**	7.05	7.26	7.1	7.09	7.01	7.04	7.1
pH	Final	**pH units**	7.02	7.2	7.02	7.01	7	7.01	7.05
800									
Turbidity	Initial	NTU	-	-	-	-	-	-	-
Turbidity	Final	NTU	-	-	-	-	-	-	-
80000									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-

AGNICO EAGLE

Project : MEL
Location : YSI 3

		Sample date	10/1/2023	10/4/2023	10/6/2023	10/8/2023	10/9/2023	10/15/2023	10/20/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	9.97	9.89	9.99	9.93	9.98	10.19	9.96
pH	Final	**pH units**	9.99	9.97	9.95	9.95	10.16	10.03	10.02
100									
Dissolved oxygen	Initial	**%**	99.2	114.3	97.9	99.5	99.6	99.9	100.2
Turbidity	Initial	NTU	-	-	-	-	-	-	-
Dissolved oxygen	Final	**%**	99.3	98.1	99.1	100.6	99.6	99.8	98.4
Turbidity	Final	NTU	-	-	-	-	-	-	-
12880									
Conductivity	Initial	**uS/cm**	-	-	-	-	12471	-	12410
Conductivity	Final	**uS/cm**	-	-	-	-	12875	-	12886
1413									
Conductivity	Initial	**uS/cm**	1460	1333	1409	-	-	1393	-
Conductivity	Final	**uS/cm**	1412	1414	1414	-	-	1413	-
20									
Turbidity	Initial	NTU	-	-	-	-	-	-	-
Turbidity	Final	NTU	-	-	-	-	-	-	-
4									
pH	Initial	**pH units**	3.97	3.99	3.91	4	4.07	3.99	3.99
pH	Final	**pH units**	4	3.97	3.98	4.01	3.88	3.98	4
5000									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
7									
pH	Initial	**pH units**	7.09	7.07	7.06	7.1	7.15	7.13	7.15
pH	Final	**pH units**	7.06	7.01	7.11	7.09	7.17	7.17	7.02
800									
Turbidity	Initial	NTU	-	-	-	-	-	-	-
Turbidity	Final	NTU	-	-	-	-	-	-	-
80000									
Conductivity	Initial	**uS/cm**	-	-	-	79839	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	76000	-	-	-

AGNICO EAGLE

Project : MEL
Location : YSI 3

		Sample date	10/22/2023	10/29/2023	11/2/2023	11/5/2023	11/6/2023	11/9/2023	11/10/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	9.98	10.02	9.91	9.95	9.84	10.03	9.97
pH	Final	**pH units**	10.01	9.97	10.04	9.86	9.97	9.98	9.97
100									
Dissolved oxygen	Initial	**%**	85	99.6	97.3	104.1	-	100.06	98.2
Turbidity	Initial	NTU	-	-	99.7	-	-	-	-
Dissolved oxygen	Final	**%**	99.4	98.8	98.5	102	-	98.8	98.1
Turbidity	Final	NTU	-	-	99.9	-	-	-	-
12880									
Conductivity	Initial	**uS/cm**	13171	-	12671	-	12580	-	-
Conductivity	Final	**uS/cm**	12882	-	12882	-	12900	-	-
1413									
Conductivity	Initial	**uS/cm**	-	1459	-	1402	-	-	-
Conductivity	Final	**uS/cm**	-	1395	-	1414	-	-	-
20									
Turbidity	Initial	NTU	-	-	19.8	-	-	-	-
Turbidity	Final	NTU	-	-	21.6	-	-	-	-
4									
pH	Initial	**pH units**	3.97	3.89	3.8	3.85	4.06	4	3.95
pH	Final	**pH units**	4.01	3.93	3.97	4.08	3.98	3.95	3.95
5000									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
7									
pH	Initial	**pH units**	7.08	7.1	7	6.83	7.05	7.11	7.05
pH	Final	**pH units**	7.02	7.07	7.03	7.14	7.07	7.05	7.07
800									
Turbidity	Initial	NTU	-	-	798	-	-	-	-
Turbidity	Final	NTU	-	-	794	-	-	-	-
80000									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	79630	80035
Conductivity	Final	**uS/cm**	-	-	-	-	-	80023	79420

AGNICO EAGLE

Project : MEL
Location : YSI 3

		Sample date	11/12/2023	11/19/2023	11/29/2023	12/3/2023	12/4/2023	12/6/2023	12/9/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	9.95	9.56	10.47	9.91	9.99	9.92	10.5
pH	Final	**pH units**	9.93	10.01	10.01	10.04	9.98	10.14	10.01
100									
Dissolved oxygen	Initial	**%**	98.4	102.5	93.4	97.3	98.5	102.1	99
Turbidity	Initial	NTU	-	-	-	-	-	-	-
Dissolved oxygen	Final	**%**	98.2	98.6	96.9	98.5	99.1	86.5	100.1
Turbidity	Final	NTU	-	-	-	-	-	-	-
12880									
Conductivity	Initial	**uS/cm**	-	-	-	12671	-	13088	-
Conductivity	Final	**uS/cm**	-	-	-	12882	-	12884	-
1413									
Conductivity	Initial	**uS/cm**	-	1440	-	-	1355	-	-
Conductivity	Final	**uS/cm**	-	1413	-	-	1416	-	-
20									
Turbidity	Initial	NTU	-	-	-	-	-	-	-
Turbidity	Final	NTU	-	-	-	-	-	-	-
4									
pH	Initial	**pH units**	4	4.03	3.84	3.8	4.2	4.07	4.14
pH	Final	**pH units**	3.93	4.02	4.08	3.97	3.98	3.87	4
5000									
Conductivity	Initial	**uS/cm**	4845	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	4998	-	-	-	-	-	-
7									
pH	Initial	**pH units**	7.1	6.85	4.13	7	7.14	7.02	7.37
pH	Final	**pH units**	7.05	6.99	7.1	7.03	6.97	6.95	7.02
800									
Turbidity	Initial	NTU	-	-	-	-	-	-	-
Turbidity	Final	NTU	-	-	-	-	-	-	-
80000									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	83990
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	80011

AGNICO EAGLE

Project : MEL
Location : YSI 3

		Sample date	12/17/2023	12/26/2023	12/29/2023
Parameter	**Type**	**Unit**			
10					
pH	Initial	**pH units**	9.9	10.27	9.97
pH	Final	**pH units**	9.98	9.98	9.98
100					
Dissolved oxygen	Initial	**%**	88.8	114.2	94.2
Turbidity	Initial	NTU	-	-	-
Dissolved oxygen	Final	**%**	100	99.3	99.8
Turbidity	Final	NTU	-	-	-
12880					
Conductivity	Initial	**uS/cm**	12540	-	-
Conductivity	Final	**uS/cm**	12931	-	-
1413					
Conductivity	Initial	**uS/cm**	-	1417	-
Conductivity	Final	**uS/cm**	-	1413	-
20					
Turbidity	Initial	NTU	-	-	-
Turbidity	Final	NTU	-	-	-
4					
pH	Initial	**pH units**	3.71	4.07	4.02
pH	Final	**pH units**	3.99	4	4
5000					
Conductivity	Initial	**uS/cm**	-	-	-
Conductivity	Final	**uS/cm**	-	-	-
7					
pH	Initial	**pH units**	6.69	7.42	7.09
pH	Final	**pH units**	7	7.01	7.03
800					
Turbidity	Initial	NTU	-	-	-
Turbidity	Final	NTU	-	-	-
80000					
Conductivity	Initial	**uS/cm**	-	-	-
Conductivity	Final	**uS/cm**	-	-	-

AGNICO EAGLE

Project : MEL
Location : YSI 4

		Sample date	2/12/2023	3/12/2023	5/14/2023	5/28/2023	5/31/2023	6/15/2023	6/30/2023	7/14/2023	7/21/2023	8/6/2023	11/30/2023	12/30/2023
Parameter	**Type**	**Unit**												
10														
pH	Initial	**pH units**	10.01	9.91	-	9.78	-	10.02	-	9.85	9.93	9.94	9.92	9.96
pH	Final	**pH units**	9.96	9.97	-	9.9	-	9.98	-	10	10	9.98	10	9.99
100														
Dissolved oxygen	Initial	**%**	104.3	103.7	-	86.9	100.5	101	104.3	99	92.1	105.3	100.9	94.4
Dissolved oxygen	Final	**%**	100	100	-	101	100	100	101	100	101	99	100	100
12880														
Conductivity	Initial	**uS/cm**	13644	12853	-	-	-	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	12880	12880	-	-	-	-	-	-	-	-	-	-
1413														
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-	1769	1454	1365	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-	1420	1413	1413	-	-
4														
pH	Initial	**pH units**	4	3.96	-	3.94	-	4.01	-	3.56	4.06	3.95	4.02	3.97
pH	Final	**pH units**	3.98	3.98	-	3.92	-	3.99	-	3.98	3.96	4.01	4	4
5000														
Conductivity	Initial	**uS/cm**	-	-	4972	5630	-	5050	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	5005	5001	-	5001	-	-	-	-	-	-
7														
pH	Initial	**pH units**	7.11	6.98	-	7.02	-	7.1	-	6.79	7.06	7.01	7.01	7.06
pH	Final	**pH units**	7.05	7.02	-	7.02	-	7.01	-	7.04	7.02	7	7.04	7.04

AGNICO EAGLE

Project : MEL
Location : YSI 5

		Sample date	2/3/2023	3/4/2023	3/5/2023	4/4/2023	4/29/2023	4/30/2023	5/2/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	9.98	10.09	10.01	9.91	-	10.03	9.76
pH	Final	**pH units**	10.01	9.98	9.99	9.97	-	10	10
100									
Dissolved oxygen	Initial	**%**	112.8	112.5	87.5	99.6	101.6	94.5	98
Dissolved oxygen	Final	**%**	98.8	99.3	102	99.9	99.9	100.1	99.2
12880									
Conductivity	Initial	**uS/cm**	-	-	12598	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	12880	-	-	-	-
1413									
Conductivity	Initial	**uS/cm**	1378	1438	-	1435	-	1418	1408
Conductivity	Final	**uS/cm**	1414	1412	-	1414	-	1413	1413
4									
pH	Initial	**pH units**	4.12	4.18	3.93	3.94	-	4.02	3.98
pH	Final	**pH units**	4.06	3.95	4.01	3.92	-	4	4
5000									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
7									
pH	Initial	**pH units**	7.12	7.21	7.02	7	-	7.08	6.96
pH	Final	**pH units**	7.04	7.04	7	7.03	-	7	7
80000									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-

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Project : MEL
Location : YSI 5

		Sample date	5/4/2023	5/5/2023	5/6/2023	5/7/2023	5/10/2023	5/18/2023	5/22/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	9.73	10.02	10.02	9.79	9.95	9.91	9.87
pH	Final	**pH units**	9.99	10.02	9.96	10.01	10.01	10	10.02
100									
Dissolved oxygen	Initial	**%**	97.5	111.5	102.7	99.9	97.5	-	97.9
Dissolved oxygen	Final	**%**	100.2	99.5	100.4	99.3	99.3	-	100.2
12880									
Conductivity	Initial	**uS/cm**	-	-	-	12720	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	12880	-	-	-
1413									
Conductivity	Initial	**uS/cm**	1412	1365	1438	-	1410	1436	1405
Conductivity	Final	**uS/cm**	1412	1413	1406	-	1413	1411	1413
4									
pH	Initial	**pH units**	3.99	3.96	4.04	4.8	3.97	4.19	4
pH	Final	**pH units**	4.06	4	3.97	4	4.01	4.01	4
5000									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
7									
pH	Initial	**pH units**	6.99	7	7.02	7.15	7.01	7.16	7.13
pH	Final	**pH units**	7.02	7.01	7.05	7.01	7	7.05	6.99
80000									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-

AGNICO EAGLE

Project : MEL
Location : YSI 5

		Sample date	5/23/2023	5/25/2023	5/27/2023	5/28/2023	5/29/2023	5/30/2023	5/31/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	9.81	10.03	9.96	9.94	10	10.03	-
pH	Final	**pH units**	10	9.96	9.96	9.99	10	9.99	-
100									
Dissolved oxygen	Initial	**%**	107	101.3	91.8	102.2	107.9	108.5	99.6
Dissolved oxygen	Final	**%**	100.3	99.3	99.7	99.9	98.5	99.9	99.7
12880									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
1413									
Conductivity	Initial	**uS/cm**	1391	1413	1451	1404	1411	1416	-
Conductivity	Final	**uS/cm**	1413	1413	1413	1413	1413	1413	-
4									
pH	Initial	**pH units**	4.09	4.21	3.95	3.97	4.01	3.97	-
pH	Final	**pH units**	4	4.01	4	4.01	4.07	3.97	-
5000									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
7									
pH	Initial	**pH units**	7.16	7.24	7.08	7.11	7.1	7.11	-
pH	Final	**pH units**	7.02	7.02	7.09	7.09	7.06	7.1	-
80000									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-

AGNICO EAGLE

Project : MEL
Location : YSI 5

		Sample date	6/1/2023	6/3/2023	6/4/2023	6/5/2023	6/6/2023	6/7/2023	6/8/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	9.9	10.09	4.97	9.92	10.06	9.95	9.89
pH	Final	**pH units**	10.06	10	9.97	10	9.97	9.99	10
100									
Dissolved oxygen	Initial	**%**	105.2	92.1	107.9	107.6	93.3	95.4	112.4
Dissolved oxygen	Final	**%**	98.6	96	101.3	99.2	98.7	96.3	100.2
12880									
Conductivity	Initial	**uS/cm**	-	12794	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	12881	-	-	-	-	-
1413									
Conductivity	Initial	**uS/cm**	1420	-	-	1470	-	1384	1405
Conductivity	Final	**uS/cm**	1413	-	-	1412	-	1414	1413
4									
pH	Initial	**pH units**	3.92	3.97	3.94	3.95	3.93	3.96	4.01
pH	Final	**pH units**	3.92	3.99	3.92	4.01	3.97	3.98	4.09
5000									
Conductivity	Initial	**uS/cm**	-	-	4843	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	5004	-	-	-	-
7									
pH	Initial	**pH units**	7.1	7.15	7	7.07	7.09	7.11	6.9
pH	Final	**pH units**	7.03	7.04	7.12	7.09	7.01	6.98	7.02
80000									
Conductivity	Initial	**uS/cm**	-	-	-	-	81336	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	80022	-	-

AGNICO EAGLE

Project : MEL
Location : YSI 5

		Sample date	6/9/2023	6/25/2023	6/27/2023	6/30/2023	7/21/2023	7/29/2023	8/29/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	9.81	10.06	10.05	-	9.9	9.92	9.89
pH	Final	**pH units**	10.05	10.07	10	-	9.98	9.99	9.92
100									
Dissolved oxygen	Initial	**%**	102.2	106.4	114	82.5	104.8	88	98.6
Dissolved oxygen	Final	**%**	98.7	100.2	99	97.4	99.2	100.1	100
12880									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
1413									
Conductivity	Initial	**uS/cm**	1410	1413	1412	-	1420	-	1504
Conductivity	Final	**uS/cm**	1413	1412	1413	-	1413	-	1417
4									
pH	Initial	**pH units**	4.22	3.5	4.84	-	4.02	3.82	4.27
pH	Final	**pH units**	4.01	4.72	3.88	-	3.91	4.01	3.91
5000									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
7									
pH	Initial	**pH units**	7.05	6.12	7.46	-	7.04	6.99	7.29
pH	Final	**pH units**	7.01	7.48	7.02	-	7.01	7.04	7.08
80000									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	74988	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	80004	-

AGNICO EAGLE

Project : MEL
Location : YSI 5

		Sample date	9/3/2023	9/10/2023	11/29/2023	12/29/2023
Parameter	**Type**	**Unit**				
10						
pH	Initial	**pH units**	9.96	10	10.3	10.01
pH	Final	**pH units**	9.97	9.9	9.93	9.96
100						
Dissolved oxygen	Initial	**%**	96.5	126.9	98.2	104.8
Dissolved oxygen	Final	**%**	97.1	100	96.5	98.8
12880						
Conductivity	Initial	**uS/cm**	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-
1413						
Conductivity	Initial	**uS/cm**	1422	1393	-	-
Conductivity	Final	**uS/cm**	1413	1413	-	-
4						
pH	Initial	**pH units**	4.02	4	4	3.94
pH	Final	**pH units**	4	3.99	3.9	3.98
5000						
Conductivity	Initial	**uS/cm**	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-
7						
pH	Initial	**pH units**	7.03	7.01	7.39	6.99
pH	Final	**pH units**	7.03	7.04	7.05	7.03
80000						
Conductivity	Initial	**uS/cm**	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-

AGNICO EAGLE

Project : MEL
Location :
Hatch 2100Q

		Sample date	1/8/2023	2/4/2023	3/4/2023	4/4/2023	5/2/2023	5/9/2023	5/13/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	-	-	-	-	-	-	-
Turbidity	Initial	NTU	-	-	-	-	-	-	-
pH	Final	**pH units**	-	-	-	-	-	-	-
Turbidity	Final	NTU	-	-	-	-	-	-	-
100									
Dissolved oxygen	Initial	**%**	-	-	-	-	-	-	-
Turbidity	Initial	NTU	100	100	99.6	99.2	100	98.7	93
Dissolved oxygen	Final	**%**	-	-	-	-	-	-	-
Turbidity	Final	NTU	98.7	99.8	99.2	99.7	99.2	99.5	99.3
1413									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
20									
Turbidity	Initial	NTU	20.1	19.9	20.2	20.1	20.5	20.3	16.8
Turbidity	Final	NTU	19.9	20.6	20	22.3	20.3	20	21.8
4									
pH	Initial	**pH units**	-	-	-	-	-	-	-
pH	Final	**pH units**	-	-	-	-	-	-	-
7									
pH	Initial	**pH units**	-	-	-	-	-	-	-
pH	Final	**pH units**	-	-	-	-	-	-	-
800									
Turbidity	Initial	NTU	797	803	732	808	791	768	799
Turbidity	Final	NTU	790	787	832	798	787	808	788

AGNICO EAGLE

Project : MEL
Location :
Hatch 2100Q

		Sample date	5/15/2023	5/16/2023	5/19/2023	5/25/2023	5/27/2023	5/27/2023	5/28/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	9.98	9.95	9.87	-	-	-	-
Turbidity	Initial	NTU	-	-	-	-	-	-	-
pH	Final	**pH units**	10	10	10	-	-	-	-
Turbidity	Final	NTU	-	-	-	9.91	-	-	-
100									
Dissolved oxygen	Initial	**%**	99.3	98.5	110.4	-	-	-	-
Turbidity	Initial	NTU	-	-	-	-	103	117	98
Dissolved oxygen	Final	**%**	100.2	100.2	100	-	-	-	-
Turbidity	Final	NTU	-	-	-	-	97.7	100	98.9
1413									
Conductivity	Initial	**uS/cm**	1370	1471	1398	-	-	-	-
Conductivity	Final	**uS/cm**	1413	1413	1414	-	-	-	-
20									
Turbidity	Initial	NTU	-	-	-	-	19.5	22.8	20.2
Turbidity	Final	NTU	-	-	-	-	21.3	20.3	20.5
4									
pH	Initial	**pH units**	3.99	3.98	4.02	-	-	-	-
pH	Final	**pH units**	4	3.99	4	-	-	-	-
7									
pH	Initial	**pH units**	7.02	7.06	7.04	-	-	-	-
pH	Final	**pH units**	6.99	7.01	7.02	-	-	-	-
800									
Turbidity	Initial	NTU	-	-	-	-	812	878	799
Turbidity	Final	NTU	-	-	-	-	784	803	785

AGNICO EAGLE

Project : MEL
Location :
Hatch 2100Q

		Sample date	5/29/2023	5/30/2023	6/5/2023	6/7/2023	6/9/2023	6/14/2023	6/18/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	-	-	-	-	-	-	-
Turbidity	Initial	NTU	-	-	-	-	-	-	-
pH	Final	**pH units**	-	-	-	-	-	-	-
Turbidity	Final	NTU	-	-	-	-	-	-	-
100									
Dissolved oxygen	Initial	**%**	-	-	-	-	-	-	-
Turbidity	Initial	NTU	100	99.1	100	100	99.9	100	97
Dissolved oxygen	Final	**%**	-	-	-	-	-	-	-
Turbidity	Final	NTU	101	98.8	99.4	99	99.5	100	97
1413									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
20									
Turbidity	Initial	NTU	20	19.9	20.3	19.7	20.4	20.5	19.1
Turbidity	Final	NTU	19.8	20.7	20.3	20.4	20.6	20.4	19.1
4									
pH	Initial	**pH units**	-	-	-	-	-	-	-
pH	Final	**pH units**	-	-	-	-	-	-	-
7									
pH	Initial	**pH units**	-	-	-	-	-	-	-
pH	Final	**pH units**	-	-	-	-	-	-	-
800									
Turbidity	Initial	NTU	800	799	796	801	798	786	708
Turbidity	Final	NTU	800	806	801	795	795	793	708

AGNICO EAGLE

Project : MEL
Location :
Hatch 2100Q

		Sample date	6/25/2023	6/25/2023	7/3/2023	7/14/2023	7/16/2023	7/24/2023	7/31/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	-	-	-	-	-	-	-
Turbidity	Initial	NTU	-	-	-	-	-	-	-
pH	Final	**pH units**	-	-	-	-	-	-	-
Turbidity	Final	NTU	-	-	-	-	-	-	-
100									
Dissolved oxygen	Initial	**%**	-	-	-	-	-	-	-
Turbidity	Initial	NTU	105	98.4	101	99.1	101	101	100
Dissolved oxygen	Final	**%**	-	-	-	-	-	-	-
Turbidity	Final	NTU	99.5	99.4	99.2	99.1	100	101	99.4
1413									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
20									
Turbidity	Initial	NTU	21.2	19.8	19.7	20.5	19.8	20.3	19.9
Turbidity	Final	NTU	20	19.7	20.2	20.5	20	20	20.4
4									
pH	Initial	**pH units**	-	-	-	-	-	-	-
pH	Final	**pH units**	-	-	-	-	-	-	-
7									
pH	Initial	**pH units**	-	-	-	-	-	-	-
pH	Final	**pH units**	-	-	-	-	-	-	-
800									
Turbidity	Initial	NTU	909	798	800	805	843	818	794
Turbidity	Final	NTU	812	786	795	805	800	778	795

AGNICO EAGLE

Project : MEL
Location :
Hatch 2100Q

		Sample date	8/1/2023	8/6/2023	8/8/2023	8/12/2023	8/13/2023	8/14/2023	8/21/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	-	-	-	-	-	-	-
Turbidity	Initial	NTU	-	-	-	-	-	10.1	-
pH	Final	**pH units**	-	-	-	-	-	-	-
Turbidity	Final	NTU	-	-	-	-	-	10.1	-
100									
Dissolved oxygen	Initial	**%**	-	-	-	-	-	-	-
Turbidity	Initial	NTU	99.6	100	100	0	100	-	99.9
Dissolved oxygen	Final	**%**	-	-	-	-	-	-	-
Turbidity	Final	NTU	99.2	98.6	99.6	99.9	99.1	-	101
1413									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
20									
Turbidity	Initial	NTU	20.1	20	20.1	0	20.1	-	19.5
Turbidity	Final	NTU	20	20.5	20.2	20	19.9	-	21
4									
pH	Initial	**pH units**	-	-	-	-	-	-	-
pH	Final	**pH units**	-	-	-	-	-	-	-
7									
pH	Initial	**pH units**	-	-	-	-	-	-	-
pH	Final	**pH units**	-	-	-	-	-	-	-
800									
Turbidity	Initial	NTU	796	798	810	0	794	-	800
Turbidity	Final	NTU	789	799	778	800	792	-	795

AGNICO EAGLE

Project : MEL
Location :
Hatch 2100Q

		Sample date	8/23/2023	8/27/2023	8/28/2023	9/2/2023	9/3/2023	9/6/2023	9/10/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	-	-	-	-	-	-	-
Turbidity	Initial	NTU	-	-	-	-	-	-	-
pH	Final	**pH units**	-	-	-	-	-	-	-
Turbidity	Final	NTU	-	-	-	-	-	-	-
100									
Dissolved oxygen	Initial	**%**	-	-	-	-	-	-	-
Turbidity	Initial	NTU	98.6	99.8	102	99.8	100	98.3	101
Dissolved oxygen	Final	**%**	-	-	-	-	-	-	-
Turbidity	Final	NTU	100	100	98.6	98.6	98.9	100	101
1413									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
20									
Turbidity	Initial	NTU	20.3	19.6	20.4	19.9	20.1	19.3	14.5
Turbidity	Final	NTU	20	20.4	19.8	20	20.2	20	20
4									
pH	Initial	**pH units**	-	-	-	-	-	-	-
pH	Final	**pH units**	-	-	-	-	-	-	-
7									
pH	Initial	**pH units**	-	-	-	-	-	-	-
pH	Final	**pH units**	-	-	-	-	-	-	-
800									
Turbidity	Initial	NTU	796	801	807	794	803	803	756
Turbidity	Final	NTU	797	799	787	788	786	800	803

AGNICO EAGLE

Project : MEL
Location :
Hatch 2100Q

		Sample date	9/11/2023	9/11/2023	9/12/2023	9/13/2023	9/18/2023	9/22/2023	9/25/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	-	-	-	-	-	-	-
Turbidity	Initial	NTU	-	-	-	-	-	-	-
pH	Final	**pH units**	-	-	-	-	-	-	-
Turbidity	Final	NTU	-	-	-	-	-	-	-
100									
Dissolved oxygen	Initial	**%**	-	-	-	-	-	-	-
Turbidity	Initial	NTU	99.6	101	103	120	99.5	100	99.9
Dissolved oxygen	Final	**%**	-	-	-	-	-	-	-
Turbidity	Final	NTU	100	101	102	98.7	99.1	98.9	100
1413									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
20									
Turbidity	Initial	NTU	21.4	14.5	20.6	20.2	19.9	20	20.1
Turbidity	Final	NTU	20	20	20.1	19.9	20.2	21.2	20.3
4									
pH	Initial	**pH units**	-	-	-	-	-	-	-
pH	Final	**pH units**	-	-	-	-	-	-	-
7									
pH	Initial	**pH units**	-	-	-	-	-	-	-
pH	Final	**pH units**	-	-	-	-	-	-	-
800									
Turbidity	Initial	NTU	860	756	792	817	798	794	805
Turbidity	Final	NTU	800	803	797	781	794	785	773

AGNICO EAGLE

Project : MEL
Location :
Hatch 2100Q

		Sample date	10/1/2023	10/4/2023	10/6/2023	10/8/2023	10/9/2023	10/16/2023	10/17/2023
Parameter	**Type**	**Unit**							
10									
pH	Initial	**pH units**	-	-	-	-	-	-	-
Turbidity	Initial	NTU	-	-	-	-	-	-	-
pH	Final	**pH units**	-	-	-	-	-	-	-
Turbidity	Final	NTU	-	-	-	-	-	-	-
100									
Dissolved oxygen	Initial	**%**	-	-	-	-	-	-	-
Turbidity	Initial	NTU	99.7	97.3	100	99.7	99.6	103	101
Dissolved oxygen	Final	**%**	-	-	-	-	-	-	-
Turbidity	Final	NTU	99.2	98.9	99.3	99.5	100	99.3	99.9
1413									
Conductivity	Initial	**uS/cm**	-	-	-	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-	-	-	-
20									
Turbidity	Initial	NTU	19.8	20.1	19.9	20.4	19.9	20.4	20.4
Turbidity	Final	NTU	20	20	20.3	19.7	20	20	20.1
4									
pH	Initial	**pH units**	-	-	-	-	-	-	-
pH	Final	**pH units**	-	-	-	-	-	-	-
7									
pH	Initial	**pH units**	-	-	-	-	-	-	-
pH	Final	**pH units**	-	-	-	-	-	-	-
800									
Turbidity	Initial	NTU	794	771	814	785	782	810	805
Turbidity	Final	NTU	783	783	773	783	784	794	795

AGNICO EAGLE

Project : MEL
Location :
Hatch 2100Q

		Sample date	10/29/2023	11/4/2023	11/5/2023	11/6/2023
Parameter	**Type**	**Unit**				
10						
pH	Initial	**pH units**	-	-	-	-
Turbidity	Initial	NTU	-	-	-	-
pH	Final	**pH units**	-	-	-	-
Turbidity	Final	NTU	-	-	-	-
100						
Dissolved oxygen	Initial	**%**	-	-	-	-
Turbidity	Initial	NTU	97.5	99.3	101	99.7
Dissolved oxygen	Final	**%**	-	-	-	-
Turbidity	Final	NTU	99.1	99.4	99.4	99.1
1413						
Conductivity	Initial	**uS/cm**	-	-	-	-
Conductivity	Final	**uS/cm**	-	-	-	-
20						
Turbidity	Initial	NTU	19.1	20.2	20	20
Turbidity	Final	NTU	20.1	19.9	20	19.8
4						
pH	Initial	**pH units**	-	-	-	-
pH	Final	**pH units**	-	-	-	-
7						
pH	Initial	**pH units**	-	-	-	-
pH	Final	**pH units**	-	-	-	-
800						
Turbidity	Initial	NTU	785	797	804	798
Turbidity	Final	NTU	788	787	788	788

AGNICO EAGLE

Project : MEL
Location : HACH CDC401 CONDUC

		Sample date	12/26/2023
Parameter	**Type**	**Unit**	
100			
Turbidity	Initial	NTU	99.2
Turbidity	Final	NTU	99.7
20			
Turbidity	Initial	NTU	20.3
Turbidity	Final	NTU	20.1
800			
Turbidity	Initial	NTU	783
Turbidity	Final	NTU	797