

APPENDIX 21 2025 CALIBRATION DATA



Project : MEL
 Location : Manta 30+
 Date range : 08-15-2025 - 09-10-2025

| Sample date | | | 8/15/2025 | 8/16/2025 | 8/17/2025 | 8/20/2025 | 9/8/2025 | 9/9/2025 | 9/10/2025 |
|------------------|---------|----------|-----------|-----------|-----------|-----------|----------|----------|-----------|
| Parameter | Type | Unit | MJM | MJM | MJM | SK | RL/LLF | LLF/RL | LLF |
| 10 | | | | | | | | | |
| pH | Initial | pH units | 9.98 | 10.03 | 9.92 | 10.09 | 9.75 | 9.97 | 9.82 |
| pH | Final | pH units | 10 | 10 | 10.01 | 10 | 10.01 | 10.03 | 9.99 |
| 100 | | | | | | | | | |
| Dissolved oxygen | Initial | % | 88 | 101.19 | 98.3 | 105.1 | 98.5 | 101.8 | 96.59 |
| Dissolved oxygen | Final | % | 100 | 100.3 | 101 | 100.3 | 100 | 100.1 | 83.4 |
| 1413 | | | | | | | | | |
| Conductivity | Initial | uS/cm | 1406 | 1406 | 1433 | 1382 | 1411 | 1407 | 1413 |
| Conductivity | Final | uS/cm | 1413 | 1413 | 1412 | 1413 | 1412 | 1412 | 1412 |
| 4 | | | | | | | | | |
| pH | Initial | pH units | 3.99 | 4.05 | 3.91 | 4.15 | 3.98 | 3.97 | 3.84 |
| pH | Final | pH units | 4 | 3.99 | 4 | 4 | 4.02 | 3.95 | 3.94 |
| 7 | | | | | | | | | |
| pH | Initial | pH units | 7.07 | 7.05 | 6.86 | 7.15 | 6.94 | 6.96 | 6.86 |
| pH | Final | pH units | 7 | 7.01 | 7.03 | 7.01 | 7 | 7.01 | 6.95 |



AGNICO EAGLE

Project : MEL

Location : Oakton PCS 1

Date range : 03-16-2025 - 03-16-202

| | | | Sample date | 3/16/2025 |
|--------------|---------|-------|-------------|-----------|
| | | | Name | MM |
| Parameter | Type | Unit | | |
| 80000 | | | | |
| Conductivity | Initial | uS/cm | 79147 | |
| Conductivity | Final | uS/cm | 79996 | |



Project : MEL
 Location : YSI 1
 Date range : 01-05-2025 - 12-18-2025

| Parameter | Type | Sample date Name Unit | 1/5/2025 | 1/7/2025 | 4/7/2025 | 4/13/2025 | 4/27/2025 | 6/9/2025 | 6/18/2025 | 6/22/2025 | 7/11/2025 | 7/15/2025 | 7/19/2025 | 7/21/2025 | 7/26/2025 | 7/27/2025 | 7/28/2025 | 7/29/2025 | 7/30/2025 | 8/2/2025 | 8/4/2025 | 12/18/2025 |
|------------------|---------|-----------------------------|----------|----------|----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|------------|
| | | | DM | DM | RL | AT | SK | ML AT | L | AD | MM | RL | RL | L | MX | RL | RL | RL | RL | AT | AT | KS |
| 10 | | | | | | | | | | | | | | | | | | | | | | |
| pH | Initial | pH units | 10.02 | 9.98 | 9.69 | 9.75 | 10.05 | 10.7 | 9.97 | 9.93 | 10.02 | 9.99 | 9.93 | 9.97 | 10 | 9.93 | 9.89 | 9.9 | - | 10.01 | 9.95 | 9.97 |
| pH | Final | pH units | 9.99 | 10.02 | 10 | 9.99 | 10.02 | 9.98 | 10.03 | 9.93 | 9.99 | 9.98 | 9.97 | 9.97 | 10 | 10.01 | 10.01 | 10.01 | - | 10.13 | 9.98 | 10.02 |
| 100 | | | | | | | | | | | | | | | | | | | | | | |
| Dissolved oxygen | Initial | % | 88.4 | 114 | 127.1 | 115.3 | 99.7 | 109.2 | 109.2 | 96.9 | 106.5 | 101.6 | 99.5 | 94.7 | - | 102.6 | 98.4 | 102.9 | - | 95.2 | 103 | - |
| Dissolved oxygen | Final | % | 100.1 | 100.5 | 98.7 | 99.9 | 99.1 | 99.7 | 101.3 | 99.2 | 98.5 | 98.4 | 89 | 98.8 | - | 100 | 100 | 100 | - | 100 | 97.9 | - |
| 12889 | | | | | | | | | | | | | | | | | | | | | | |
| Conductivity | Initial | uS/cm | 12462 | 12734 | - | 9727 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Conductivity | Final | uS/cm | 12895 | 12886 | - | 12692 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1413 | | | | | | | | | | | | | | | | | | | | | | |
| Conductivity | Initial | uS/cm | - | - | 1387 | - | - | 2092 | - | - | 1164 | 1474 | 1400 | 1406 | 1389 | 1430 | 1419 | 1406 | - | - | 1458 | - |
| Conductivity | Final | uS/cm | - | - | 1420 | - | - | 1235 | - | - | 1416 | 1417 | 1403 | 1415 | 1415 | 1415 | 1415 | 1414 | - | - | 1413 | - |
| 4 | | | | | | | | | | | | | | | | | | | | | | |
| pH | Initial | pH units | 3.97 | 4.05 | 4.35 | 3.71 | 4.01 | 4.06 | 3.92 | 3.92 | 3.96 | 4.03 | 3.96 | 3.96 | 4.02 | 4.02 | 4.04 | 4.01 | - | 4.07 | 4.02 | 4.03 |
| pH | Final | pH units | 3.98 | 4.01 | 3.99 | 3.96 | 4 | 4.4 | 3.99 | 3.81 | 4 | 4.02 | 4.01 | 3.98 | 4 | 4 | 3.99 | 4 | - | 4.13 | 3.97 | 3.97 |
| 5000 | | | | | | | | | | | | | | | | | | | | | | |
| Conductivity | Initial | uS/cm | - | - | - | - | 5148 | - | - | 2500 | - | - | - | - | - | - | - | - | - | - | 4785 | 4903 |
| Conductivity | Final | uS/cm | - | - | - | - | 5006 | - | - | 7777 | - | - | - | - | - | - | - | - | - | - | 5000 | 5003 |
| 7 | | | | | | | | | | | | | | | | | | | | | | |
| pH | Initial | pH units | 7.01 | 7.04 | 7.03 | 6.86 | 6.86 | 7.1 | 6.73 | 6.78 | 7.02 | 7.15 | 7.08 | 6.98 | 7.07 | 7.05 | 7.05 | 7.06 | - | 7.06 | 7.13 | 6.99 |
| pH | Final | pH units | 7 | 7.02 | 7 | 6.99 | 7.11 | 7.4 | 7 | 6.68 | 7 | 7.05 | 7.02 | 7.08 | 7 | 7 | 6.99 | 7 | - | 7.13 | 7.07 | 7.13 |
| 80000 | | | | | | | | | | | | | | | | | | | | | | |
| Conductivity | Initial | uS/cm | - | - | - | - | - | - | 81469 | - | - | - | - | - | - | - | - | - | - | 80246 | - | - |
| Conductivity | Final | uS/cm | - | - | - | - | - | - | 80115 | - | - | - | - | - | - | - | - | - | - | 80117 | - | - |



Project : MEL
 Location : YSI 3
 Date range : 04-09-2025 - 09-28-2025

| | | | Sample date | 4/9/2025 | 5/13/2025 | 8/24/2025 | 9/24/2025 | 9/28/2025 |
|------------------|---------|----------|-------------|----------|-----------|-----------|-----------|-----------|
| | | | Name | RL | MM | SK | MM | AT |
| Parameter | Type | Unit | | | | | | |
| 10 | | | | | | | | |
| pH | Initial | pH units | 9.6 | - | 10.03 | 9.54 | 9.78 | |
| pH | Final | pH units | 10 | - | 9.99 | 9.97 | 10 | |
| 100 | | | | | | | | |
| Dissolved oxygen | Initial | % | 105 | - | 96 | 98.2 | 129.1 | |
| Dissolved oxygen | Final | % | 98 | - | 99.4 | 99 | 99.6 | |
| 1413 | | | | | | | | |
| Conductivity | Initial | uS/cm | - | - | 1379 | 1358 | - | |
| Conductivity | Final | uS/cm | - | - | 1414 | 1414 | - | |
| 4 | | | | | | | | |
| pH | Initial | pH units | 4.58 | - | 4.22 | 3.69 | 4.01 | |
| pH | Final | pH units | 3.99 | - | 4.01 | 3.98 | 3.99 | |
| 5000 | | | | | | | | |
| Conductivity | Initial | uS/cm | - | - | - | - | 5055 | |
| Conductivity | Final | uS/cm | - | - | - | - | 5003 | |
| 7 | | | | | | | | |
| pH | Initial | pH units | 7.03 | - | 7.25 | 6.75 | 7 | |
| pH | Final | pH units | 7 | - | 7.03 | 7.11 | 7.13 | |
| 80000 | | | | | | | | |
| Conductivity | Initial | uS/cm | 83530 | 78924 | - | - | - | |
| Conductivity | Final | uS/cm | 79888 | 80009 | - | - | - | |

