

# Appendix 22: 2022 Calibration Data



Project : MEL  
 Location : Eureka  
 Date range : 01-06-2022 - 05-28-2022

Parameter	Type	Sample date Unit	1/6/2022	1/17/2022	1/28/2022	2/14/2022	3/15/2022	4/25/2022	5/28/2022
<b>10</b>									
pH	Initial	pH units	10.03	10.39	9.97	10.56	10.05	10	42.75
pH	Final	pH units	9.99	10	9.98	9.99	10	10	9.99
<b>100</b>									
Dissolved oxygen	Initial	%	100.4	100.9	99.8	103.59	99.8	107	-
Dissolved oxygen	Final	%	100.5	100.8	101.1	101.1	100.3	100.4	-
<b>1413</b>									
Conductivity	Initial	uS/cm	1418	1411	1413	1374	1423	1379	-
Conductivity	Final	uS/cm	1413	1413	1407	1382	1414	1413	-
<b>4</b>									
pH	Initial	pH units	3.97	4.1	3.89	3.95	3.96	3.93	0.05
pH	Final	pH units	4.02	4	4	4.03	3.97	4	4
<b>7</b>									
pH	Initial	pH units	6.98	7.09	6.9	7.32	7.01	6.96	6.65
pH	Final	pH units	7.04	7.03	6.97	6.99	7	7	7



Project : MEL  
Location : Eureka T1  
Date range : 07-03-2022 - 07-03-2022

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Parameter			Sample date
Parameter	Type	Unit	
<b>1413</b>			
Conductivity	Initial	uS/cm	1556
Conductivity	Final	uS/cm	1410



Project : MEL  
Location : Eureka T2  
Date range : 07-03-2022 - 07-03-2022

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Sample date			7/3/2022
Parameter	Type	Unit	
<b>1413</b>			
Conductivity	Initial	uS/cm	1564
Conductivity	Final	uS/cm	1411



Project : MEL  
Location : Eureka T3  
Date range : 07-03-2022 - 07-03-2022

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Parameter			Sample date
Parameter	Type	Unit	
<b>1413</b>			
Conductivity	Initial	uS/cm	1542
Conductivity	Final	uS/cm	1412



Project : MEL  
 Location : Manta 30+  
 Date range : 02-16-2022 - 08-14-2022

Parameter	Type	Sample date Unit	2/16/2022	3/12/2022	3/13/2022	4/6/2022	4/7/2022	4/8/2022	4/11/2022	4/16/2022	6/7/2022	7/19/2022	7/24/2022	8/14/2022
<b>10</b>														
pH	Initial	pH units	9.98	9.92	9.96	10.09	9.93	10.01	10.02	10	10.38	10.01	9.98	9.88
pH	Final	pH units	10	10.01	10.05	10.01	10.01	10.01	10.01	10	10.01	10	10.01	10.01
<b>100</b>														
Dissolved oxygen	Initial	%	94.5	99	100	100.5	100.9	100.19	97	99.59	-	98.5	99.4	101.9
Dissolved oxygen	Final	%	100.6	100.5	100.2	100.5	101.3	101	100.8	100	-	100.1	100	100
<b>12880</b>														
Conductivity	Initial	uS/cm	12900	-	-	-	-	-	-	-	-	-	-	-
Conductivity	Final	uS/cm	12879	-	-	-	-	-	-	-	-	-	-	-
<b>1413</b>														
Conductivity	Initial	uS/cm	-	1413	1403	1426	1416	1406	1426	-	1407.5	1415	1427	563.2
Conductivity	Final	uS/cm	-	1413	1413	1395	1412	1413	1413	-	1412	1414	1413	1411
<b>4</b>														
pH	Initial	pH units	4.01	3.83	3.83	4.23	3.86	3.98	4.07	3.93	3.98	4.01	3.97	4.28
pH	Final	pH units	4	4.04	3.98	3.97	4.01	3.99	3.98	4	3.99	4.02	4.02	4
<b>7</b>														
pH	Initial	pH units	7.01	6.83	6.92	7.19	6.86	6.98	7.05	6.98	6.98	7.04	6.96	7.13
pH	Final	pH units	7	7.03	7.03	7	7	7.02	7.01	7	7.03	7.02	7.04	6.98
<b>80000</b>														
Conductivity	Initial	uS/cm	-	-	-	-	-	-	-	80980	-	-	-	-
Conductivity	Final	uS/cm	-	-	-	-	-	-	-	80310	-	-	-	-





Project : MEL  
 Location : YSI 2  
 Date range : 04-25-2022 - 10-02-2022

Parameter	Type	Sample date	4/25/2022	5/9/2022	5/13/2022	5/14/2022	5/16/2022	5/19/2022	5/20/2022	6/3/2022	7/10/2022	7/11/2022	7/14/2022	7/15/2022	7/17/2022	7/20/2022	8/2/2022	8/14/2022	9/3/2022	9/4/2022	9/7/2022	9/11/2022	9/13/2022	9/14/2022	9/19/2022	9/24/2022	10/2/2022	12/11/2022	
<b>10</b>																													
pH	Initial	pH units	-	10	10.08	10	10.07	10.01	9.88	9.9	9.98	10.04	9.82	10.15	10.05	10.04	10.04	9.92	10.05	10.45	10.08	9.95	9.98	9.93	9.88	10.02	9.9	10.24	
pH	Final	pH units	-	10	9.96	10.02	9.99	10	10.01	10.01	10.02	10.02	9.98	10.02	10	10.01	10.02	10.07	10.11	10.11	10.01	10	10.01	10	10	9.98	9.95	10.1	
<b>100</b>																													
Dissolved oxygen	Initial	%	96.6	100	100	109.8	124	-	109	102.4	90.7	100.2	99.1	118	96.5	101.6	92.7	85.7	119.7	122	90.4	101	96.4	98.1	90	103.6	100	85.7	
Dissolved oxygen	Final	%	101.1	100	104	99.7	100	-	99.5	100.9	100	99.2	100.5	99	99.9	100.5	99.9	99.3	100.9	99.8	100	99.9	99.5	100.1	99.2	100	100	100.1	
<b>12880</b>																													
Conductivity	Initial	uS/cm	-	-	-	-	-	-	-	-	12985	-	12912	-	-	-	12588	13118	12904	12654	-	-	-	-	-	-	-	-	
Conductivity	Final	uS/cm	-	-	-	-	-	-	-	-	12872	-	12883	-	-	-	12887	12891	12882	12880	-	-	-	-	-	-	-	-	
<b>1413</b>																													
Conductivity	Initial	uS/cm	1463	1424	1404	1338	1484	1390	1409	1443	-	1408	-	1408	1401	1369	-	-	-	-	1509	1385	1388	1455	1414	1477	677	1019	
Conductivity	Final	uS/cm	1414	1424	1394	1417	1413	1412	1413	1414	-	1413	-	1413	1413	1414	-	-	-	-	1413	1414	1413	1413	1413	1413	1413	1413	
<b>4</b>																													
pH	Initial	pH units	-	3.99	4.07	3.99	3.84	4.06	3.98	3.78	4.02	4.04	3.99	4.01	3.9	3.99	4.07	4.07	4	4.52	3.86	3.81	3.93	3.94	4.02	4.03	4.22	3.76	
pH	Final	pH units	-	3.99	4	4	4.02	3.99	4	4.2	4.04	3.97	4	3.98	4	3.99	4.03	4.03	4.01	3.97	4	4	4	4	4	4	4	3.99	4.04
<b>7</b>																													
pH	Initial	pH units	-	7.01	7.09	7.01	7.04	7.09	6.99	6.83	7	7.08	6.99	7.07	7.07	6.98	7.02	6.9	7	7.42	7.05	7.01	6.95	6.94	7	7.04	7.04	6.8	
pH	Final	pH units	-	7.01	7	7	7.05	6.99	7	7.11	7.01	7.03	7.03	6.99	7	7.03	7.02	7.02	7	6.99	7.01	7	7.02	7	7	7.01	7	7.05	





