

APPENDIX 21 2024 CALIBRATION DATA



Project : MEL
Location : Eureka

Dissolved Oxygen Standard 100		Sample Date	7/4/2024
Parameter	Unit		
Dissolved oxygen	%	Initial	107.8
Dissolved oxygen	%	Final	100.4

pH Standard 4		Sample Date	7/4/2024
Parameter	Unit		
pH, field measured	pH units	Initial	4.09
pH, field measured	pH units	Final	4.01

pH Standard 7		Sample Date	7/4/2024
Parameter	Unit		
pH, field measured	pH units	Initial	7.03
pH, field measured	pH units	Final	7

pH Standard 10		Sample Date	7/4/2024
Parameter	Unit		
pH, field measured	pH units	Initial	10.01
pH, field measured	pH units	Final	10

Conductivity Standard 1413		Sample Date	7/4/2024
Parameter	Unit		
Conductivity, field measured	uS/cm	Initial	1460
Conductivity, field measured	uS/cm	Final	1414

Turkey Standard 20		Sample Date	1/6/2024	1/7/2024	1/8/2024	2/2/2024	2/3/2024	2/7/2024	2/8/2024	2/9/2024	3/6/2024	3/7/2024	3/8/2024	3/9/2024	3/10/2024	3/11/2024	3/12/2024	3/13/2024	3/14/2024	3/15/2024	3/16/2024	3/17/2024	3/18/2024	3/19/2024	3/20/2024	3/21/2024	3/22/2024	3/23/2024	3/24/2024	3/25/2024	3/26/2024	3/27/2024	3/28/2024	3/29/2024	3/30/2024	3/31/2024	4/1/2024	4/2/2024	4/3/2024	4/4/2024	4/5/2024	4/6/2024	4/7/2024	4/8/2024	4/9/2024	4/10/2024	4/11/2024	4/12/2024	4/13/2024	4/14/2024	4/15/2024	4/16/2024	4/17/2024	4/18/2024	4/19/2024	4/20/2024	4/21/2024	4/22/2024	4/23/2024	4/24/2024	4/25/2024	4/26/2024	4/27/2024	4/28/2024	4/29/2024	4/30/2024	5/1/2024	5/2/2024	5/3/2024	5/4/2024	5/5/2024	5/6/2024	5/7/2024	5/8/2024	5/9/2024	5/10/2024	5/11/2024	5/12/2024	5/13/2024	5/14/2024	5/15/2024	5/16/2024	5/17/2024	5/18/2024	5/19/2024	5/20/2024	5/21/2024	5/22/2024	5/23/2024	5/24/2024	5/25/2024	5/26/2024	5/27/2024	5/28/2024	5/29/2024	5/30/2024	5/31/2024	6/1/2024	6/2/2024	6/3/2024	6/4/2024	6/5/2024	6/6/2024	6/7/2024	6/8/2024	6/9/2024	6/10/2024	6/11/2024	6/12/2024	6/13/2024	6/14/2024	6/15/2024	6/16/2024	6/17/2024	6/18/2024	6/19/2024	6/20/2024	6/21/2024	6/22/2024	6/23/2024	6/24/2024	6/25/2024	6/26/2024	6/27/2024	6/28/2024	6/29/2024	6/30/2024	7/1/2024	7/2/2024	7/3/2024	7/4/2024	7/5/2024	7/6/2024	7/7/2024	7/8/2024	7/9/2024	7/10/2024	7/11/2024	7/12/2024	7/13/2024	7/14/2024	7/15/2024	7/16/2024	7/17/2024	7/18/2024	7/19/2024	7/20/2024	7/21/2024	7/22/2024	7/23/2024	7/24/2024	7/25/2024	7/26/2024	7/27/2024	7/28/2024	7/29/2024	7/30/2024	7/31/2024	8/1/2024	8/2/2024	8/3/2024	8/4/2024	8/5/2024	8/6/2024	8/7/2024	8/8/2024	8/9/2024	8/10/2024	8/11/2024	8/12/2024	8/13/2024	8/14/2024	8/15/2024	8/16/2024	8/17/2024	8/18/2024	8/19/2024	8/20/2024	8/21/2024	8/22/2024	8/23/2024	8/24/2024	8/25/2024	8/26/2024	8/27/2024	8/28/2024	8/29/2024	8/30/2024	8/31/2024	9/1/2024	9/2/2024	9/3/2024	9/4/2024	9/5/2024	9/6/2024	9/7/2024	9/8/2024	9/9/2024	9/10/2024	9/11/2024	9/12/2024	9/13/2024	9/14/2024	9/15/2024	9/16/2024	9/17/2024	9/18/2024	9/19/2024	9/20/2024	9/21/2024	9/22/2024	9/23/2024	9/24/2024	9/25/2024	9/26/2024	9/27/2024	9/28/2024	9/29/2024	9/30/2024	10/1/2024	10/2/2024	10/3/2024	10/4/2024	10/5/2024	10/6/2024	10/7/2024	10/8/2024	10/9/2024	10/10/2024	10/11/2024	10/12/2024	10/13/2024	10/14/2024	10/15/2024	10/16/2024	10/17/2024	10/18/2024	10/19/2024	10/20/2024	10/21/2024	10/22/2024	10/23/2024	10/24/2024	10/25/2024	10/26/2024	10/27/2024	10/28/2024	10/29/2024	10/30/2024	10/31/2024	11/1/2024	11/2/2024	11/3/2024	11/4/2024	11/5/2024	11/6/2024	11/7/2024	11/8/2024	11/9/2024	11/10/2024	11/11/2024	11/12/2024	11/13/2024	11/14/2024	11/15/2024	11/16/2024	11/17/2024	11/18/2024	11/19/2024	11/20/2024	11/21/2024	11/22/2024	11/23/2024	11/24/2024	11/25/2024	11/26/2024	11/27/2024	11/28/2024	11/29/2024	11/30/2024	12/1/2024	12/2/2024	12/3/2024	12/4/2024	12/5/2024	12/6/2024	12/7/2024	12/8/2024	12/9/2024	12/10/2024	12/11/2024	12/12/2024	12/13/2024	12/14/2024	
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Project : MEL
Location : Eureka T1

Conductivity Standard 1413		Sample Date	7/1/2024
Parameter	Unit		
Conductivity, field measured	uS/cm	Initial	1399
Conductivity, field measured	uS/cm	Final	1411



Project : MEL
Location : Eureka T2

Conductivity Standard 1413		Sample Date	7/1/2024
Parameter	Unit		
Conductivity, field measured	uS/cm	Initial	1425
Conductivity, field measured	uS/cm	Final	1413



Project : MEL
Location : Manta 30+

Dissolved Oxygen Standard 100		Sample Date	2/11/2024	2/12/2024	3/29/2024	3/30/2024	7/13/2024	8/11/2024	8/12/2024	8/13/2024	8/15/2024	8/16/2024	8/17/2024	8/18/2024	8/20/2024	8/21/2024	9/7/2024	9/8/2024	9/9/2024	9/12/2024	9/29/2024
Parameter	Unit																				
Dissolved oxygen	%	Initial	98.4	102.4	95.3	103.4	95.59	97.3	102.69	95.9	#NAME?	99.4	101.2	97.9	96.4	100.1	97.59	100.4	99	108.4	94.19
Dissolved oxygen	%	Final	100.69	100.7	100.9	100.7	99.8	100	105.4	96.19	96.9	100.4	101.59	98	101.3	99.6	100	100.3	100	99.9	99.9
pH Standard 4		Sample Date	2/11/2024	2/12/2024	3/29/2024	3/30/2024	7/13/2024	8/11/2024	8/12/2024	8/13/2024	8/15/2024	8/16/2024	8/17/2024	8/18/2024	8/20/2024	8/21/2024	9/7/2024	9/8/2024	9/9/2024	9/12/2024	9/29/2024
Parameter	Unit																				
pH, field measured	pH units	Initial	4.13	3.86	4.07	3.89	4.25	3.84	4.07	4.03	4.01	4.01	4.09	3.93	4.11	3.87	3.86	3.98	3.9	4.11	3.83
pH, field measured	pH units	Final	4.07	4.02	4	4	4.19	4	4.07	3.96	4	3.99	4.01	3.86	4.07	3.99	4	4	4.02	3.95	4
pH Standard 7		Sample Date	2/11/2024	2/12/2024	3/29/2024	3/30/2024	7/13/2024	8/11/2024	8/12/2024	8/13/2024	8/15/2024	8/16/2024	8/17/2024	8/18/2024	8/20/2024	8/21/2024	9/7/2024	9/8/2024	9/9/2024	9/12/2024	9/29/2024
Parameter	Unit																				
pH, field measured	pH units	Initial	7.11	6.84	7.07	6.92	7.13	7.01	7.07	6.92	7.01	6.96	7.01	6.92	7.05	7	6.96	6.98	6.94	7.11	6.84
pH, field measured	pH units	Final	7.03	7	7.01	6.99	7.11	7	7.05	6.92	7	6.96	7.01	6.92	7.05	7	7	7	7.03	6.98	7
pH Standard 10		Sample Date	2/11/2024	2/12/2024	3/29/2024	3/30/2024	7/13/2024	8/11/2024	8/12/2024	8/13/2024	8/15/2024	8/16/2024	8/17/2024	8/18/2024	8/20/2024	8/21/2024	9/7/2024	9/8/2024	9/9/2024	9/12/2024	9/29/2024
Parameter	Unit																				
pH, field measured	pH units	Initial	10.1	9.92	10.09	8.9	10.06	9.93	10.02	9.97	9.98	9.78	10.01	9.89	10.03	9.86	10.1	9.98	9.97	10.02	9.98
pH, field measured	pH units	Final	10.01	10.01	9.99	10	10.07	10.01	10.01	9.97	10.02	9.82	10.02	9.93	10.03	9.97	10	10	9.99	9.98	10
Conductivity Standard 1413		Sample Date	2/11/2024	2/12/2024	3/29/2024	3/30/2024	7/13/2024	8/11/2024	8/12/2024	8/13/2024	8/15/2024	8/16/2024	8/17/2024	8/18/2024	8/20/2024	8/21/2024	9/7/2024	9/8/2024	9/9/2024	9/12/2024	9/29/2024
Parameter	Unit																				
Conductivity, field measured	uS/cm	Initial	-	1483	1398	1431	1451	1459	1335	1409	1398	1410	1410	1416	1417	1395	1414	1412	1417	1409	1420
Conductivity, field measured	uS/cm	Final	-	1413	1413	1414	1450	1416	1413	1413	1399	1407	1407	1410	1415	1410	1413	1413	1412	1414	1413
Conductivity Standard 12880		Sample Date	2/11/2024	2/12/2024	3/29/2024	3/30/2024	7/13/2024	8/11/2024	8/12/2024	8/13/2024	8/15/2024	8/16/2024	8/17/2024	8/18/2024	8/20/2024	8/21/2024	9/7/2024	9/8/2024	9/9/2024	9/12/2024	9/29/2024
Parameter	Unit																				
Conductivity, field measured	uS/cm	Initial	12660	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Conductivity, field measured	uS/cm	Final	12880	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Geological Characterization (G1)		Sample data		U10000	U10001	U10002	U10003	U10004	U10005	U10006	U10007	U10008	U10009	U10010	U10011	U10012	U10013	U10014	U10015	U10016	U10017	U10018	U10019	U10020	U10021	U10022	U10023	U10024	U10025	U10026	U10027	U10028	U10029	U10030	U10031	U10032	U10033	U10034	U10035	U10036	U10037	U10038	U10039	U10040	U10041	U10042	U10043	U10044	U10045	U10046	U10047	U10048	U10049	U10050	U10051	U10052	U10053	U10054	U10055	U10056	U10057	U10058	U10059	U10060	U10061	U10062	U10063	U10064	U10065	U10066	U10067	U10068	U10069	U10070	U10071	U10072	U10073	U10074	U10075	U10076	U10077	U10078	U10079	U10080	U10081	U10082	U10083	U10084	U10085	U10086	U10087	U10088	U10089	U10090	U10091	U10092	U10093	U10094	U10095	U10096	U10097	U10098	U10099	U10100	U10101	U10102	U10103	U10104	U10105	U10106	U10107	U10108	U10109	U10110	U10111	U10112	U10113	U10114	U10115	U10116	U10117	U10118	U10119	U10120	U10121	U10122	U10123	U10124	U10125	U10126	U10127	U10128	U10129	U10130	U10131	U10132	U10133	U10134	U10135	U10136	U10137	U10138	U10139	U10140	U10141	U10142	U10143	U10144	U10145	U10146	U10147	U10148	U10149	U10150	U10151	U10152	U10153	U10154	U10155	U10156	U10157	U10158	U10159	U10160	U10161	U10162	U10163	U10164	U10165	U10166	U10167	U10168	U10169	U10170	U10171	U10172	U10173	U10174	U10175	U10176	U10177	U10178	U10179	U10180	U10181	U10182	U10183	U10184	U10185	U10186	U10187	U10188	U10189	U10190	U10191	U10192	U10193	U10194	U10195	U10196	U10197	U10198	U10199	U10200	U10201	U10202	U10203	U10204	U10205	U10206	U10207	U10208	U10209	U10210	U10211	U10212	U10213	U10214	U10215	U10216	U10217	U10218	U10219	U10220	U10221	U10222	U10223	U10224	U10225	U10226	U10227	U10228	U10229	U10230	U10231	U10232	U10233	U10234	U10235	U10236	U10237	U10238	U10239	U10240	U10241	U10242	U10243	U10244	U10245	U10246	U10247	U10248	U10249	U10250	U10251	U10252	U10253	U10254	U10255	U10256	U10257	U10258	U10259	U10260	U10261	U10262	U10263	U10264	U10265	U10266	U10267	U10268	U10269	U10270	U10271	U10272	U10273	U10274	U10275	U10276	U10277	U10278	U10279	U10280	U10281	U10282	U10283	U10284	U10285	U10286	U10287	U10288	U10289	U10290	U10291	U10292	U10293	U10294	U10295	U10296	U10297	U10298	U10299	U10300	U10301	U10302	U10303	U10304	U10305	U10306	U10307	U10308	U10309	U10310	U10311	U10312	U10313	U10314	U10315	U10316	U10317	U10318	U10319	U10320	U10321	U10322	U10323	U10324	U10325	U10326	U10327	U10328	U10329	U10330	U10331	U10332	U10333	U10334	U10335	U10336	U10337	U10338	U10339	U10340	U10341	U10342	U10343	U10344	U10345	U10346	U10347	U10348	U10349	U10350	U10351	U10352	U10353	U10354	U10355	U10356	U10357	U10358	U10359	U10360	U10361	U10362	U10363	U10364	U10365	U10366	U10367	U10368	U10369	U10370	U10371	U10372	U10373	U10374	U10375	U10376	U10377	U10378	U10379	U10380	U10381	U10382	U10383	U10384	U10385	U10386	U10387	U10388	U10389	U10390	U10391	U10392	U10393	U10394	U10395	U10396	U10397	U10398	U10399	U10400	U10401	U10402	U10403	U10404	U10405	U10406	U10407	U10408	U10409	U10410	U10411	U10412	U10413	U10414	U10415	U10416	U10417	U10418	U10419	U10420	U10421	U10422	U10423	U10424	U10425	U10426	U10427	U10428	U10429	U10430	U10431	U10432	U10433	U10434	U10435	U10436	U10437	U10438	U10439	U10440	U10441	U10442	U10443	U10444	U10445	U10446	U10447	U10448	U10449	U10450	U10451	U10452	U10453	U10454	U10455	U10456	U10457	U10458	U10459	U10460	U10461	U10462	U10463	U10464	U10465	U10466	U10467	U10468	U10469	U10470	U10471	U10472	U10473	U10474	U10475	U10476	U10477	U10478	U10479	U10480	U10481	U10482	U10483	U10484	U10485	U10486	U10487	U10488	U10489	U10490	U10491	U10492	U10493	U10494	U10495	U10496	U10497	U10498	U10499	U10500	U10501	U10502	U10503	U10504	U10505	U10506	U10507	U10508	U10509	U10510	U10511	U10512	U10513	U10514	U10515	U10516	U10517	U10518	U10519	U10520	U10521	U10522	U10523	U10524	U10525	U10526	U10527	U10528	U10529	U10530	U10531	U10532	U10533	U10534	U10535	U10536	U10537	U10538	U10539	U10540	U10541	U10542	U10543	U10544	U10545	U10546	U10547	U10548	U10549	U10550	U10551	U10552	U10553	U10554	U10555	U10556	U10557	U10558	U10559	U10560	U10561	U10562	U10563	U10564	U10565	U10566	U10567	U10568	U10569	U10570	U10571	U10572	U10573	U10574	U10575	U10576	U10577	U10578	U10579	U10580	U10581	U10582	U10583	U10584	U10585	U10586	U10587	U10588	U10589	U10590	U10591	U10592	U10593	U10594	U10595	U10596	U10597	U10598	U10599	U10600	U10601	U10602	U10603	U10604	U10605	U10606	U10607	U10608	U10609	U10610	U10611	U10612	U10613	U10614	U10615	U10616	U10617	U10618	U10619	U10620	U10621	U10622	U10623	U10624	U10625	U10626	U10627	U10628	U10629	U10630	U10631	U10632	U10633	U10634	U10635	U10636	U10637	U10638	U10639	U10640	U10641	U10642	U10643	U10644	U10645	U10646	U10647	U10648	U10649	U10650	U10651	U10652	U10653	U10654	U10655	U10656	U10657	U10658	U10659	U10660	U10661	U10662	U10663	U10664	U10665	U10666	U10667	U10668	U10669	U10670	U10671	U10672	U10673	U10674	U10675	U10676	U10677	U10678	U10679	U10680	U10681	U10682	U10683	U10684	U10685	U10686	U10687	U10688	U10689	U10690	U10691	U10692	U10693	U10694	U10695	U10696	U10697	U10698	U10699	U10700	U10701	U10702	U10703	U10704	U10705	U10706	U10707	U10708	U10709	U10710	U10711	U10712	U10713	U10714	U10715	U10716	U10717	U10718	U10719	U10720	U10721	U10722	U10723	U10724	U10725	U10726	U10727	U10728	U10729	U10730	U10731	U10732	U10733	U10734	U10735	U10736	U10737	U10738	U10739	U10740	U10741	U10742	U10743	U10744	U10745	U10746	U10747	U10748	U10749	U10750	U10751	U10752	U10753	U10754	U10755	U10756	U10757	U10758	U10759	U10760	U10761	U10762	U10763	U10764	U10765	U10766	U10767	U10768	U10769	U10770	U10771	U10772	U10773	U10774	U10775	U10776	U10777	U10778	U10779	U10780	U10781	U10782	U10783	U10784	U10785	U10786	U10787	U10788	U10789	U10790	U10791	U10792	U10793	U10794	U10795	U10796	U10797	U10798	U10799	U10800	U10801	U10802	U10803	U10804	U10805	U10806	U10807	U10808	U10809	U10810	U10811	U10812	U10813	U10814	U10815	U10816	U10817	U10818	U10819	U10820	U10821	U10822	U10823	U10824	U10825	U10826	U10827	U10828	U10829	U10830	U10831	U10832	U10833	U10834	U10835	U10836	U10837	U10838	U10839	U10840	U10841	U10842	U10843	U10844	U10845	U10846	U10847	U10848	U10849	U10850	U10851	U10852	U10853	U10854	U10855	U10856	U10857	U10858	U10859	U10860	U10861	U10862	U10863	U10864	U10865	U10866	U10867	U10868	U10869	U10870	U10871	U10872	U10873	U10874	U10875	U10876	U10877	U10878	U10879	U10880	U10881	U10882	U10883	U10884	U10885	U10886	U10887	U10888	U10889	U10890	U10891	U10892	U10893	U10894	U10895	U10896	U10897	U10898	U10899	U10900	U10901	U10902	U10903	U10904	U10905	U10906	U10907	U10908	U10909	U10910	U10911	U10912	U10913	U10914	U10915	U10916	U10917	U10918	U10919	U10920	U10921	U10922	U10923	U10924	U10925	U10926	U10927	U10928	U10929	U10930	U10931	U10932	U10933	U10934	U10935	U10936	U10937	U10938	U10939	U10940	U10941	U10942	U10943	U10944	U10945	U10946	U10947	U10948	U10949	U10950	U10951	U10952	U10953	U10954	U10955	U10956	U10957	U10958	U10959	U10960	U10961	U10962	U10963	U10964	U10965	U10966	U10967	U10968	U10969	U10970	U10971	U10972	U10973	U10974	U10975	U10976	U10977	U10978	U10979	U10980	U10981	U10982	U10983	U10984	U10985	U10986	U10987	U10988	U10989	U10990	U10991	U10992	U10993	U10994	U10995	U10996	U10997	U10998	U10999	U11000	U11001	U11002	U11003	U11004	U11005	U11006	U11007	U11008	U11009	U11010	U11011	U11012	U11013	U11014	U11015	U11016	U11017	U11018	U11019	U11020	U11021	U11022	U11023	U11024	U11025	U11026	U11027	U11028	U11029	U11030	U11031	U11032	U11033	U11034	U11035	U11036	U11037	U11038	U11039	U11040	U11041	U11042	U11043	U11044	U11045	U11046	U11047	U11048	U11049	U11050	U11051	U11052	U11053	U11054	U11055	U11056	U11057	U11058	U11059	U11060	U11061	U11062	U11063	U11064	U11065	U11066	U11067	U11068	U11069	U11070	U11071	U11072	U11073	U11074	U11075	U11076	U11077	U11078	U11079	U11080	U11081	U11082	U11083	U11084	U11085	U11086	U11087	U11088	U11089	U11090	U11091	U11092	U11093	U11094	U11095	U11096	U11097	U11098	U11099	U11100	U11101	U11102	U11103	U11104	U11105	U11106	U11107	U11108	U11109	U11110	U11111
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[illegible]



Project : MEL
Location : YSI 4

Dissolved Oxygen Standard 100		Sample Date	5/20/2024	5/20/2024	5/25/2024	5/26/2024	5/27/2024	5/28/2024	5/29/2024	6/3/2024	6/4/2024	6/4/2024	6/5/2024
Parameter	Unit												
Dissolved oxygen	%	Initial	90.4	-	114.5	87.7	112.3	116.5	115.2	116.3	116.3	97.8	92.6
Dissolved oxygen	%	Final	101.2	-	99.9	98	100	99.7	99.9	99.6	99.6	99.4	93.2

pH Standard 4		Sample Date	5/20/2024	5/20/2024	5/25/2024	5/26/2024	5/27/2024	5/28/2024	5/29/2024	6/3/2024	6/4/2024	6/4/2024	6/5/2024
Parameter	Unit												
pH, field measured	pH units	Initial	4.02	-	4	3.76	4.06	3.95	4.02	4.02	4.02	4.04	4
pH, field measured	pH units	Final	3.97	-	3.97	4	4.04	3.94	4	4.01	4.01	3.98	3.93

pH Standard 7		Sample Date	5/20/2024	5/20/2024	5/25/2024	5/26/2024	5/27/2024	5/28/2024	5/29/2024	6/3/2024	6/4/2024	6/4/2024	6/5/2024
Parameter	Unit												
pH, field measured	pH units	Initial	6.99	-	7.01	6.98	6.96	7.03	7.01	7.05	7.05	7.06	7.05
pH, field measured	pH units	Final	7.04	-	6.97	7.03	7.07	7	7.02	7.04	7.04	7.07	7

pH Standard 10		Sample Date	5/20/2024	5/20/2024	5/25/2024	5/26/2024	5/27/2024	5/28/2024	5/29/2024	6/3/2024	6/4/2024	6/4/2024	6/5/2024
Parameter	Unit												
pH, field measured	pH units	Initial	9.73	-	10.02	10.04	9.86	9.89	9.99	9.86	9.86	9.97	10.02
pH, field measured	pH units	Final	9.92	-	10	10	10.05	9.99	10.01	9.96	9.96	9.98	9.99

Conductivity Standard 1413		Sample Date	5/20/2024	5/20/2024	5/25/2024	5/26/2024	5/27/2024	5/28/2024	5/29/2024	6/3/2024	6/4/2024	6/4/2024	6/5/2024
Parameter	Unit												
Conductivity, field measured	uS/cm	Initial	1429	1529	-	1426	1425	1406	1412	1407	1407	1407	1420
Conductivity, field measured	uS/cm	Final	1382	1382	-	1413	1412	1413	1415	1412	1412	1414	1413

Conductivity Standard 5000		Sample Date	5/20/2024	5/20/2024	5/25/2024	5/26/2024	5/27/2024	5/28/2024	5/29/2024	6/3/2024	6/4/2024	6/4/2024	6/5/2024
Parameter	Unit												
Conductivity, field measured	uS/cm	Initial	-	-	4699	-	-	-	-	-	-	-	-
Conductivity, field measured	uS/cm	Final	-	-	5000	-	-	-	-	-	-	-	-



Project : MEL
Location : YSI 5

Dissolved Oxygen Standard 100			Sample Date	1/28/2024	5/8/2024	5/10/2024	6/2/2024	6/2/2024	6/4/2024	6/4/2024	6/6/2024	6/7/2024	6/8/2024	6/9/2024	6/10/2024	6/11/2024	6/12/2024	6/13/2024	6/18/2024	6/24/2024	6/29/2024	6/30/2024	7/4/2024	7/8/2024	7/11/2024	7/23/2024	7/28/2024	8/1/2024	8/4/2024	10/19/2024	10/25/2024	10/28/2024	
Parameter	Unit																																
Dissolved Oxygen, field measured	%	Initial	102	-	-	-	-	93	-	-	-	108.8	95.3	107	91.9	104.3	99.5	88.6	103.4	103.2	-	-	-	-	106.4	93.1	-	98	96.5	-	-	-	
Dissolved Oxygen, field measured	%	Final	100.1	-	-	-	-	99.5	-	-	-	99.8	98.4	101	98.6	97.6	98.2	97.7	97.7	99.9	-	-	-	-	98.7	99.2	-	97.8	99.2	-	-	-	
pH Standard 4			Sample Date	1/28/2024	5/8/2024	5/10/2024	6/2/2024	6/2/2024	6/4/2024	6/4/2024	6/6/2024	6/7/2024	6/8/2024	6/9/2024	6/10/2024	6/11/2024	6/12/2024	6/13/2024	6/18/2024	6/24/2024	6/29/2024	6/30/2024	7/4/2024	7/8/2024	7/11/2024	7/23/2024	7/28/2024	8/1/2024	8/4/2024	10/19/2024	10/25/2024	10/28/2024	
Parameter	Unit																																
pH, field measured	pH units	Initial	4.1	-	-	-	-	4.26	-	3.85	-	4.15	3.2	4.23	3.8	3.98	4.02	3.98	3.99	3.99	-	-	-	-	-	4.14	4.01	-	4.31	4.01	-	-	-
pH, field measured	pH units	Final	4.01	-	-	-	-	4.01	-	3.95	-	3.82	4.03	3.99	3.95	3.98	3.95	4	3.98	4.01	-	-	-	-	4.01	4.04	-	3.9	4	-	-	-	
pH Standard 7			Sample Date	1/28/2024	5/8/2024	5/10/2024	6/2/2024	6/2/2024	6/4/2024	6/4/2024	6/6/2024	6/7/2024	6/8/2024	6/9/2024	6/10/2024	6/11/2024	6/12/2024	6/13/2024	6/18/2024	6/24/2024	6/29/2024	6/30/2024	7/4/2024	7/8/2024	7/11/2024	7/23/2024	7/28/2024	8/1/2024	8/4/2024	10/19/2024	10/25/2024	10/28/2024	
Parameter	Unit																																
pH, field measured	pH units	Initial	7.1	-	-	-	-	7.28	-	6.94	-	7.28	6.85	7.12	6.94	7.01	7.13	7.01	7.06	6.97	-	-	-	-	6.94	7.04	-	7.14	7.07	-	-	-	
pH, field measured	pH units	Final	7.02	-	-	-	-	6.93	-	7.01	-	6.88	7.01	6.81	6.99	6.99	6.95	7.02	6.99	7.03	-	-	-	-	6.98	7.07	-	7.08	7.01	-	-	-	
pH Standard 10			Sample Date	1/28/2024	5/8/2024	5/10/2024	6/2/2024	6/2/2024	6/4/2024	6/4/2024	6/6/2024	6/7/2024	6/8/2024	6/9/2024	6/10/2024	6/11/2024	6/12/2024	6/13/2024	6/18/2024	6/24/2024	6/29/2024	6/30/2024	7/4/2024	7/8/2024	7/11/2024	7/23/2024	7/28/2024	8/1/2024	8/4/2024	10/19/2024	10/25/2024	10/28/2024	
Parameter	Unit																																
pH, field measured	pH units	Initial	9.97	-	-	-	-	9.93	-	9.94	-	9.95	9.96	10.01	9.96	9.99	10.05	9.95	10	10.04	-	-	-	-	9.96	9.93	-	9.98	9.98	-	-	-	
pH, field measured	pH units	Final	9.98	-	-	-	-	9.87	-	10.01	-	9.91	10	9.93	9.99	10	9.91	9.99	10	10.02	-	-	-	-	9.97	9.96	-	9.94	9.99	-	-	-	
Conductivity Standard 1413			Sample Date	1/28/2024	5/8/2024	5/10/2024	6/2/2024	6/2/2024	6/4/2024	6/4/2024	6/6/2024	6/7/2024	6/8/2024	6/9/2024	6/10/2024	6/11/2024	6/12/2024	6/13/2024	6/18/2024	6/24/2024	6/29/2024	6/30/2024	7/4/2024	7/8/2024	7/11/2024	7/23/2024	7/28/2024	8/1/2024	8/4/2024	10/19/2024	10/25/2024	10/28/2024	
Parameter	Unit																																
Conductivity, field measured	uS/cm	Initial	-	-	-	-	-	1251	-	-	-	-	1430	-	1458	1402	-	1401	-	1401	-	-	-	-	1302	-	-	-	-	-	-	-	
Conductivity, field measured	uS/cm	Final	-	-	-	-	-	1413	-	-	-	-	1414	-	1413	1414	-	1413	-	1414	-	-	-	-	1414	-	-	-	-	-	-	-	
Conductivity Standard 5000			Sample Date	1/28/2024	5/8/2024	5/10/2024	6/2/2024	6/2/2024	6/4/2024	6/4/2024	6/6/2024	6/7/2024	6/8/2024	6/9/2024	6/10/2024	6/11/2024	6/12/2024	6/13/2024	6/18/2024	6/24/2024	6/29/2024	6/30/2024	7/4/2024	7/8/2024	7/11/2024	7/23/2024	7/28/2024	8/1/2024	8/4/2024	10/19/2024	10/25/2024	10/28/2024	
Parameter	Unit																																
Conductivity, field measured	uS/cm	Initial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4665	4649	-	-	-	
Conductivity, field measured	uS/cm	Final	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5012	5000	-	-	-	
Conductivity Standard 12880			Sample Date	1/28/2024	5/8/2024	5/10/2024	6/2/2024	6/2/2024	6/4/2024	6/4/2024	6/6/2024	6/7/2024	6/8/2024	6/9/2024	6/10/2024	6/11/2024	6/12/2024	6/13/2024	6/18/2024	6/24/2024	6/29/2024	6/30/2024	7/4/2024	7/8/2024	7/11/2024	7/23/2024	7/28/2024	8/1/2024	8/4/2024	10/19/2024	10/25/2024	10/28/2024	
Parameter	Unit																																
Conductivity, field measured	uS/cm	Initial	12720	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Conductivity, field measured	uS/cm	Final	12883	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Conductivity Standard 80000			Sample Date	1/28/2024	5/8/2024	5/10/2024	6/2/2024	6/2/2024	6/4/2024	6/4/2024	6/6/2024	6/7/2024	6/8/2024	6/9/2024	6/10/2024	6/11/2024	6/12/2024	6/13/2024	6/18/2024	6/24/2024	6/29/2024	6/30/2024	7/4/2024	7/8/2024	7/11/2024	7/23/2024	7/28/2024	8/1/2024	8/4/2024	10/19/2024	10/25/2024	10/28/2024	
Parameter	Unit																																
Conductivity, field measured	uS/cm	Initial	-	77366	79822	81430	-	85497	-	83970	78235	-	78657	-	-	80202	-	81030	-	81160	79823	79896	82143	-	-	-	80030	-	-	76699	80570	79980	
Conductivity, field measured	uS/cm	Final	-	80000	80001	80001	-	80010	-	80004	80001	-	80007	-	-	80091	-	79999	-	79992	80070	80000	80111	-	-	-	79999	-	-	80020	80059	80148	