



Port Kembla Grain Terminal

**Fumigation Gas Reading Log**

**Selected Dates: 30/10/2022 and 2/11/2022**

Silo	Gas Reading Date	Gas Reading mg/l	Stack Flow Rate l/s	Exhaust Flux Instantaneous g/s	Exhaust Flux Hourly Average g/s	Fumigation State	Average Wind Speed	Average Wind Direction
<b>Silo: CL202</b>								
	30/10/2022 12:26 PM	0	0	0	0	Dosing	8.2	42
	30/10/2022 12:38 PM	0	0	0	0	Dosing	6.2	76
	30/10/2022 12:50 PM	0	0	0	0	Dosing	8.03	27
	30/10/2022 01:02 PM	0	0	0	0	Dosing	7.96	33
	30/10/2022 01:14 PM	0	0	0	0	Dosing	5.8	34
	30/10/2022 01:26 PM	0	0	0	0	Dosing	8.91	31
	30/10/2022 01:38 PM	0	0	0	0	Dosing	10.73	29
	30/10/2022 01:50 PM	42.67	0	0	0	Fumigation	8.74	52
	30/10/2022 02:02 PM	48.714	0	0	0	Fumigation	7.85	33
	30/10/2022 02:14 PM	48.252	0	0	0	Fumigation	7.93	33
	30/10/2022 02:26 PM	1.284	0	0	0	Fumigation	7.83	48
	30/10/2022 02:38 PM	19.658	0	0	0	Fumigation	8.72	25
	30/10/2022 02:50 PM	3.392	0	0	0	Fumigation	7.55	29
	30/10/2022 03:02 PM	3.392	0	0	0	Fumigation	8.89	31
	30/10/2022 03:14 PM	3.392	0	0	0	Fumigation	9.08	32
	30/10/2022 03:27 PM	3.392	0	0	0	Fumigation	9.66	26
	30/10/2022 03:39 PM	3.392	0	0	0	Fumigation	9.06	72
	30/10/2022 03:51 PM	41.816	0	0	0	Fumigation	10.46	31
	30/10/2022 04:03 PM	13.807	0	0	0	Fumigation	8.47	43



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**Selected Dates: 30/10/2022 and 2/11/2022**

30/10/2022 04:15 PM	19.656	0	0	0	Fumigation	10.45	49
30/10/2022 04:27 PM	5.119	0	0	0	Fumigation	10.05	28
30/10/2022 04:39 PM	2.326	0	0	0	Fumigation	10.2	24
30/10/2022 04:51 PM	3.392	0	0	0	Fumigation	10.99	25
30/10/2022 05:03 PM	35.239	0	0	0	Fumigation	10.43	28
30/10/2022 05:15 PM	38.542	0	0	0	Fumigation	10.73	32
30/10/2022 05:27 PM	39.78	0	0	0	Fumigation	9.53	31
30/10/2022 05:39 PM	3.392	0	0	0	Fumigation	9.55	24
30/10/2022 05:51 PM	30.166	0	0	0	Fumigation	11.4	24
30/10/2022 06:03 PM	3.392	0	0	0	Fumigation	11.76	25
30/10/2022 06:15 PM	3.392	0	0	0	Fumigation	8.6	40
30/10/2022 06:27 PM	25.676	0	0	0	Fumigation	7.95	41
30/10/2022 06:39 PM	28.103	0	0	0	Fumigation	9.18	19
30/10/2022 06:51 PM	14.195	0	0	0	Fumigation	8.2	16
30/10/2022 07:03 PM	26.09	0	0	0	Fumigation	9.98	39
30/10/2022 07:15 PM	25.166	0	0	0	Fumigation	9.17	56
30/10/2022 07:27 PM	25.847	0	0	0	Fumigation	9.69	14
30/10/2022 07:39 PM	3.566	0	0	0	Fumigation	10	38
30/10/2022 07:51 PM	29.61	0	0	0	Fumigation	9.22	39
30/10/2022 08:03 PM	22.231	0	0	0	Fumigation	10.93	36
30/10/2022 08:15 PM	26.503	0	0	0	Fumigation	10.77	57
30/10/2022 08:27 PM	29.877	0	0	0	Fumigation	9.88	74
30/10/2022 08:39 PM	23.784	0	0	0	Fumigation	11.42	96



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**Fumigation Gas Reading Log**

**Selected Dates: 30/10/2022 and 2/11/2022**

30/10/2022 08:51 PM	24.391	0	0	0	Fumigation	10.93	73
30/10/2022 09:03 PM	24.464	0	0	0	Fumigation	7.63	145
30/10/2022 09:15 PM	30.532	0	0	0	Fumigation	7.7	120
30/10/2022 09:28 PM	30.702	0	0	0	Fumigation	7.69	31
30/10/2022 09:40 PM	27.134	0	0	0	Fumigation	7.09	28
30/10/2022 09:52 PM	24.634	0	0	0	Fumigation	7.66	52
30/10/2022 10:04 PM	24.246	0	0	0	Fumigation	7.46	76
30/10/2022 10:16 PM	22.692	0	0	0	Fumigation	6.4	124
30/10/2022 10:28 PM	28.25	0	0	0	Fumigation	4.65	166
30/10/2022 10:40 PM	18.879	0	0	0	Fumigation	4.38	224
30/10/2022 10:52 PM	5.75	0	0	0	Fumigation	4.44	269
30/10/2022 11:04 PM	37.182	0	0	0	Fumigation	4.23	249
30/10/2022 11:16 PM	39.367	0	0	0	Fumigation	4.72	168
30/10/2022 11:28 PM	38.129	0	0	0	Fumigation	4.81	210
30/10/2022 11:40 PM	31.794	0	0	0	Fumigation	3.58	247
30/10/2022 11:52 PM	34.44	0	0	0	Fumigation	3.02	290
31/10/2022 12:04 AM	37.838	0	0	0	Fumigation	3.1	280
31/10/2022 12:16 AM	29.051	0	0	0	Fumigation	3.56	278
31/10/2022 12:28 AM	31.139	0	0	0	Fumigation	3.22	309
31/10/2022 12:40 AM	33.469	0	0	0	Fumigation	3.3	322
31/10/2022 12:52 AM	31.867	0	0	0	Fumigation	3.47	301
31/10/2022 01:04 AM	26.867	0	0	0	Fumigation	3.56	284
31/10/2022 01:16 AM	25.508	0	0	0	Fumigation	3.78	326



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**Fumigation Gas Reading Log**

**Selected Dates: 30/10/2022 and 2/11/2022**

31/10/2022 01:28 AM	25.241	0	0	0	Fumigation	4.12	252
31/10/2022 01:40 AM	30.653	0	0	0	Fumigation	5.19	191
31/10/2022 01:52 AM	28.614	0	0	0	Fumigation	6.68	74
31/10/2022 02:04 AM	26.309	0	0	0	Fumigation	5.58	167
31/10/2022 02:16 AM	29.974	0	0	0	Fumigation	4.42	124
31/10/2022 02:28 AM	22.692	0	0	0	Fumigation	3.7	141
31/10/2022 02:40 AM	29.076	0	0	0	Fumigation	3.68	165
31/10/2022 02:52 AM	21.381	0	0	0	Fumigation	2.29	194
31/10/2022 03:04 AM	21.236	0	0	0	Fumigation	4.18	120
31/10/2022 03:16 AM	26.527	0	0	0	Fumigation	6.52	102
31/10/2022 03:29 AM	26.406	0	0	0	Fumigation	4.94	82
31/10/2022 03:41 AM	25.435	0	0	0	Fumigation	5.17	137
31/10/2022 03:53 AM	29.974	0	0	0	Fumigation	3.79	223
31/10/2022 04:05 AM	29.246	0	0	0	Fumigation	4.17	224
31/10/2022 04:17 AM	31.187	0	0	0	Fumigation	7.32	33
31/10/2022 04:29 AM	32.741	0	0	0	Fumigation	9.07	30
31/10/2022 04:41 AM	26.017	0	0	0	Fumigation	9.09	54
31/10/2022 04:53 AM	29.707	0	0	0	Fumigation	5.84	185
31/10/2022 05:05 AM	25.799	0	0	0	Fumigation	3.89	228
31/10/2022 05:17 AM	30.119	0	0	0	Fumigation	4.52	179
31/10/2022 05:29 AM	25.411	0	0	0	Fumigation	5.35	207
31/10/2022 05:41 AM	23.663	0	0	0	Fumigation	4.34	228
31/10/2022 05:53 AM	31.697	0	0	0	Fumigation	4.14	312



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**Fumigation Gas Reading Log**

**Selected Dates: 30/10/2022 and 2/11/2022**

31/10/2022 06:05 AM	28.614	0	0	0	Fumigation	5.08	269
31/10/2022 06:17 AM	27.328	0	0	0	Fumigation	4.8	202
31/10/2022 06:29 AM	22.377	0	0	0	Fumigation	5.41	308
31/10/2022 06:41 AM	31.867	0	0	0	Fumigation	6.5	316
31/10/2022 06:53 AM	33.857	0	0	0	Fumigation	7.32	307
31/10/2022 07:05 AM	29.003	0	0	0	Fumigation	6.27	312
31/10/2022 07:17 AM	20.945	0	0	0	Fumigation	4.38	328
31/10/2022 07:29 AM	24.974	0	0	0	Fumigation	3.55	306
31/10/2022 07:41 AM	28.857	0	0	0	Fumigation	2.64	235
31/10/2022 07:53 AM	23.517	0	0	0	Fumigation	2.04	106
31/10/2022 08:05 AM	22.255	0	0	0	Fumigation	3.25	50
31/10/2022 08:17 AM	20.605	0	0	0	Fumigation	5.92	59
31/10/2022 08:29 AM	20.581	0	0	0	Fumigation	7.72	14
31/10/2022 08:41 AM	21.697	0	0	0	Fumigation	6.23	44
31/10/2022 08:53 AM	19.949	0	0	0	Fumigation	3.41	222
31/10/2022 09:05 AM	18.056	0	0	0	Fumigation	6.12	311
31/10/2022 09:17 AM	22.888	0	0	0	Fumigation	6.57	294
31/10/2022 09:30 AM	24.391	0	0	0	Fumigation	6.89	262
31/10/2022 09:42 AM	26.309	0	0	0	Fumigation	6.44	319
31/10/2022 09:54 AM	21.964	0	0	0	Fumigation	4.53	164
31/10/2022 10:06 AM	18.347	0	0	0	Fumigation	8.91	84
31/10/2022 10:18 AM	23.906	0	0	0	Fumigation	12.27	83
31/10/2022 10:30 AM	21.43	0	0	0	Fumigation	15.05	17



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**Fumigation Gas Reading Log**

**Selected Dates: 30/10/2022 and 2/11/2022**

31/10/2022 10:42 AM	22.547	0	0	0	Fumigation	15.1	37
31/10/2022 10:54 AM	16.915	0	0	0	Fumigation	15.65	14
31/10/2022 11:06 AM	17.328	0	0	0	Fumigation	13.73	59
31/10/2022 11:18 AM	16.648	0	0	0	Fumigation	11.65	14
31/10/2022 11:30 AM	19.343	0	0	0	Fumigation	12.59	21
31/10/2022 11:42 AM	18.469	0	0	0	Fumigation	9.68	39
31/10/2022 11:54 AM	19.367	0	0	0	Fumigation	9.2	60
31/10/2022 12:06 PM	17.983	0	0	0	Fumigation	10.82	102
31/10/2022 12:18 PM	15.896	0	0	0	Fumigation	15.41	44
31/10/2022 12:30 PM	17.814	0	0	0	Fumigation	12.39	126
31/10/2022 12:42 PM	23.105	0	0	0	Fumigation	14.21	77
31/10/2022 12:54 PM	15.119	0	0	0	Fumigation	11.79	146
31/10/2022 01:06 PM	21.017	0	0	0	Fumigation	8.22	105
31/10/2022 01:18 PM	18.59	0	0	0	Fumigation	9.81	33
31/10/2022 01:30 PM	11.479	0	0	0	Fumigation	9.49	121
31/10/2022 01:42 PM	13.712	0	0	0	Fumigation	8.07	185
31/10/2022 01:54 PM	18.954	0	0	0	Fumigation	11.48	281
31/10/2022 02:06 PM	16.964	0	0	0	Fumigation	12.7	291
31/10/2022 02:18 PM	13.736	0	0	0	Fumigation	7.58	295
31/10/2022 02:30 PM	0.97	503	0.488	0	Initial Purging	6.99	300
31/10/2022 02:42 PM	0.297	503	0.149	0	Initial Purging	5.03	305
31/10/2022 02:54 PM	0.154	503	0.077	0	Initial Purging	4.95	268
31/10/2022 03:06 PM	0.112	503	0.056	0	Initial Purging	6.49	119



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**Fumigation Gas Reading Log**

**Selected Dates: 30/10/2022 and 2/11/2022**

31/10/2022 03:18 PM	0.099	503	0.05	0	Purging	6.56	233
31/10/2022 03:31 PM	0.069	503	0.035	0.164	Purging	5.51	311
31/10/2022 03:43 PM	0.117	503	0.059	0.078	Purging	9.44	310
31/10/2022 03:55 PM	0.141	503	0.071	0.063	Purging	8.9	320
31/10/2022 04:07 PM	0.167	503	0.084	0.064	Purging	8.65	280
31/10/2022 04:19 PM	0.168	503	0.085	0.07	Purging	9.66	218
31/10/2022 04:31 PM	0.185	503	0.093	0.078	Purging	5.83	286
31/10/2022 04:43 PM	0.218	503	0.11	0.088	Purging	6.06	192
31/10/2022 04:55 PM	0.158	503	0.079	0.09	Purging	6.55	59
31/10/2022 05:07 PM	0.197	503	0.099	0.093	Purging	8.15	54
31/10/2022 05:19 PM	0.216	503	0.109	0.098	Purging	10.03	35
31/10/2022 05:31 PM	0.241	503	0.121	0.104	Purging	6.92	42
31/10/2022 05:43 PM	0.253	503	0.127	0.107	Purging	7.15	145
31/10/2022 05:55 PM	0.269	503	0.135	0.118	Purging	8.16	9
31/10/2022 06:07 PM	0.292	503	0.147	0.128	Purging	6.47	145
31/10/2022 06:19 PM	0.17	503	0.086	0.123	Purging	4.06	227
31/10/2022 06:31 PM	0.142	503	0.071	0.113	Purging	7.09	143
31/10/2022 06:43 PM	0.143	503	0.072	0.102	Purging	8.93	188
31/10/2022 06:55 PM	0.141	503	0.071	0.089	Purging	8.42	181
31/10/2022 07:07 PM	0.13	503	0.065	0.073	Purging	9.41	252
31/10/2022 07:19 PM	0.159	503	0.08	0.072	Purging	9.44	249
31/10/2022 07:31 PM	0.29	503	0.146	0.087	Purging	10.12	230
31/10/2022 07:43 PM	0.297	503	0.149	0.102	Purging	6.22	270



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**Fumigation Gas Reading Log**

**Selected Dates: 30/10/2022 and 2/11/2022**

31/10/2022 07:55 PM	0.311	503	0.156	0.119	Purging	4.88	318
31/10/2022 08:07 PM	0.305	503	0.153	0.137	Purging	5.01	300
31/10/2022 08:19 PM	0.303	503	0.152	0.151	Purging	8.23	212
31/10/2022 08:31 PM	0.299	503	0.15	0.152	Purging	16.89	198
31/10/2022 08:43 PM	0.301	503	0.151	0.153	Purging	13.37	205
31/10/2022 08:55 PM	0.28	503	0.141	0.15	Purging	10.3	287
31/10/2022 09:07 PM	0.296	503	0.149	0.149	Purging	9.8	277
31/10/2022 09:19 PM	0.285	503	0.143	0.147	Purging	9.16	166
31/10/2022 09:32 PM	0.236	503	0.119	0.141	Purging	5.54	243
31/10/2022 09:44 PM	0.199	503	0.1	0.131	Purging	3.99	265
31/10/2022 09:56 PM	0.209	503	0.105	0.123	Purging	3.91	193
31/10/2022 10:08 PM	0.415	503	0.209	0.135	Purging	5.19	58
31/10/2022 10:20 PM	0.472	503	0.237	0.154	Purging	11.16	11
31/10/2022 10:32 PM	0.545	503	0.274	0.185	Purging	13.82	14
31/10/2022 10:44 PM	0.514	503	0.259	0.217	Purging	11.51	56
31/10/2022 10:56 PM	0.46	503	0.231	0.242	Purging	9.56	100
31/10/2022 11:08 PM	0.474	503	0.238	0.248	Purging	6.4	74
31/10/2022 11:20 PM	0.395	503	0.199	0.24	Purging	6.94	254
31/10/2022 11:32 PM	0.361	503	0.182	0.222	Purging	8.32	166
31/10/2022 11:44 PM	0.316	503	0.159	0.202	Purging	6.96	117
31/10/2022 11:56 PM	0.303	503	0.152	0.186	Purging	6.52	146
01/11/2022 12:08 AM	0.264	503	0.133	0.165	Purging	8.28	143
01/11/2022 12:20 AM	0.201	503	0.101	0.145	Purging	9.4	290





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**Fumigation Gas Reading Log**

**Selected Dates: 30/10/2022 and 2/11/2022**

01/11/2022 12:32 AM	0.178	503	0.09	0.127	Purging	9.57	302
01/11/2022 12:44 AM	0.179	503	0.09	0.113	Purging	10.83	328
01/11/2022 12:56 AM	0.16	503	0.08	0.099	Purging	11.01	313
01/11/2022 01:08 AM	0.171	503	0.086	0.089	Purging	9.22	224
01/11/2022 01:20 AM	0.178	503	0.09	0.087	Purging	10.8	222
01/11/2022 01:32 AM	0.204	503	0.103	0.09	Purging	13.03	182
01/11/2022 01:44 AM	0.151	503	0.076	0.087	Purging	11.92	284
01/11/2022 01:56 AM	0.158	503	0.079	0.087	Purging	13.4	321
01/11/2022 02:08 AM	0.24	503	0.121	0.094	Purging	10.35	326
01/11/2022 02:20 AM	0.235	503	0.118	0.099	Purging	11.62	305
01/11/2022 02:32 AM	0.211	503	0.106	0.1	Purging	11.34	318
01/11/2022 02:44 AM	0.179	503	0.09	0.103	Purging	11.74	310
01/11/2022 02:56 AM	0.156	503	0.078	0.103	Purging	9.12	310
01/11/2022 03:08 AM	0.16	503	0.08	0.095	Purging	8.15	301
01/11/2022 03:20 AM	0.136	503	0.068	0.085	Purging	7.43	244
01/11/2022 03:33 AM	0.121	503	0.061	0.075	Purging	7.9	319
01/11/2022 03:45 AM	0.093	503	0.047	0.067	Purging	12.21	309
01/11/2022 03:57 AM	0.092	503	0.046	0.06	Purging	10.55	313
01/11/2022 04:09 AM	0.093	503	0.047	0.054	Purging	11.13	306
01/11/2022 04:21 AM	0.11	503	0.055	0.051	Purging	12.2	301
01/11/2022 04:33 AM	0.129	503	0.065	0.052	Purging	13.68	297
01/11/2022 04:45 AM	0.126	503	0.063	0.055	Purging	11.83	271
01/11/2022 04:57 AM	0.137	503	0.069	0.06	Purging	8.01	252



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**Fumigation Gas Reading Log**

**Selected Dates: 30/10/2022 and 2/11/2022**

01/11/2022 05:09 AM	0.141	503	0.071	0.065	Purging	6.76	242
01/11/2022 05:21 AM	0.145	503	0.073	0.068	Purging	10.16	234
01/11/2022 05:33 AM	0.125	503	0.063	0.068	Purging	13.17	272
01/11/2022 05:45 AM	0.11	503	0.055	0.066	Purging	14.4	280
01/11/2022 05:57 AM	0.108	503	0.054	0.063	Purging	13.01	279
01/11/2022 06:09 AM	0.117	503	0.059	0.061	Purging	10.51	275
01/11/2022 06:21 AM	0.099	503	0.05	0.056	Purging	7.07	275
01/11/2022 06:33 AM	0.083	503	0.042	0.052	Purging	6.73	280
01/11/2022 06:45 AM	0.097	503	0.049	0.051	Purging	7.4	290
01/11/2022 06:57 AM	0.07	503	0.035	0.047	Purging	7.98	289
01/11/2022 07:09 AM	0.074	503	0.037	0.043	Purging	8.75	285
01/11/2022 07:21 AM	0.071	503	0.036	0.04	Purging	9.51	294
01/11/2022 07:33 AM	0.072	503	0.036	0.039	Purging	8.36	285
01/11/2022 07:45 AM	0.062	503	0.031	0.035	Purging	11.3	283
01/11/2022 07:57 AM	0.048	503	0.024	0.033	Purging	9.07	286
01/11/2022 08:09 AM	0.037	503	0.019	0.029	Purging	14.84	280
01/11/2022 08:21 AM	0.04	503	0.02	0.026	Purging	12.69	286
01/11/2022 08:33 AM	0.039	503	0.02	0.023	Purging	11.47	285
01/11/2022 08:45 AM	0.036	503	0.018	0.02	Purging	9.09	286
01/11/2022 08:57 AM	0.055	503	0.028	0.021	Purging	15.67	276
01/11/2022 09:09 AM	0.051	503	0.026	0.022	Purging	14.56	287
01/11/2022 09:21 AM	0.043	503	0.022	0.022	Purging	11.05	286
01/11/2022 09:34 AM	0.036	503	0.018	0.022	Purging	13.4	287



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**Fumigation Gas Reading Log**

**Selected Dates: 30/10/2022 and 2/11/2022**

01/11/2022 09:46 AM	0.039	503	0.02	0.022	Purging	14.8	286
01/11/2022 09:58 AM	0.032	503	0.016	0.02	Purging	15.44	279
01/11/2022 10:10 AM	0.039	503	0.02	0.019	Purging	17.24	286
01/11/2022 10:22 AM	0.042	503	0.021	0.019	Purging	18.14	277
01/11/2022 10:34 AM	0.035	503	0.018	0.019	Purging	14.59	275
01/11/2022 10:46 AM	0.035	503	0.018	0.018	Purging	13.27	267
01/11/2022 10:58 AM	0.04	503	0.02	0.019	Purging	13.87	273
01/11/2022 11:10 AM	0.042	503	0.021	0.02	Purging	19.47	283
01/11/2022 11:22 AM	0.035	503	0.018	0.019	Purging	17.56	285
01/11/2022 11:34 AM	0.039	503	0.02	0.019	Purging	17.34	288
01/11/2022 11:46 AM	0.03	503	0.015	0.019	Purging	20.3	290
01/11/2022 11:58 AM	0.023	503	0.012	0.017	Purging	21.2	290
01/11/2022 12:10 PM	0.03	503	0.015	0.016	Purging	19.44	292
01/11/2022 12:22 PM	0.02	503	0.01	0.014	Purging	23.49	286
01/11/2022 12:34 PM	0.035	503	0.018	0.014	Purging	20.69	294
01/11/2022 12:46 PM	0.027	503	0.014	0.014	Purging	20.93	292
01/11/2022 12:58 PM	0.027	503	0.014	0.014	Purging	21.31	291
01/11/2022 01:10 PM	0.042	503	0.021	0.015	Purging	17.93	285
01/11/2022 01:22 PM	0.032	503	0.016	0.016	Purging	16.68	287
01/11/2022 01:34 PM	0.034	503	0.017	0.016	Purging	18.15	296
01/11/2022 01:46 PM	0.029	503	0.015	0.017	Purging	17.8	295
01/11/2022 01:58 PM	0.025	503	0.013	0.016	Purging	20.24	293
01/11/2022 02:10 PM	0.031	503	0.016	0.015	Purging	18.7	300



Port Kembla Grain Terminal

**Fumigation Gas Reading Log**

**Selected Dates: 30/10/2022 and 2/11/2022**

01/11/2022 02:22 PM	0.025	503	0.013	0.015	Purging	18.7	295
01/11/2022 02:34 PM	0.018	503	0.009	0.013	Purging	18.31	297
01/11/2022 02:46 PM	0.033	503	0.017	0.013	Purging	16.26	291
01/11/2022 02:58 PM	0.023	503	0.012	0.013	Purging	16.78	292
01/11/2022 03:10 PM	0.018	503	0.009	0.012	Purging	15.37	298
01/11/2022 03:22 PM	0.024	503	0.012	0.012	Purging	13.72	287
01/11/2022 03:35 PM	0.017	503	0.009	0.012	Purging	10.31	280