



PUBLIC SERVICE OF COLORADO

7/23/2019 8:38 AM

Shawn McFarland

Chromatograph Report

from Contract Day 07/01/2019 to Contract Day 07/31/2019

Station ID: CBTC

Analysis ID: CBTC

Analysis Name: WGIS (CHALK BL TO CHEY)

Company Name: PUBLIC SERVICE OF COLORADO

Effective Date	Sat. HV	As Del HV	Dry HV	Meas. HV	Water Content	Wobbe	Real Gravity	C1	C2	C3	IC4	NC4	IC5	NC5	C6	C7	C8	C9	C10	N2	CO2	O2	H2O	CO	H2S	H2	He
07/01/2019 00:00	1098.7	0.0	1118.1	0.0		1374.0	0.6622	83.1970	11.9271	1.6033	0.1687	0.3006	0.0511	0.0565	0.0156	0.0000	0.0000	0.0000	0.0000	0.4677	1.8137	0.0000	1.0715	0.0000	0.0000	0.0000	0.0000
07/02/2019 00:00	1105.0	0.0	1124.6	0.0		1376.8	0.6672	83.5253	11.6783	1.7174	0.2337	0.3466	0.0608	0.0673	0.0185	0.0000	0.0000	0.0000	0.0000	0.4932	1.7973	0.0000	1.2549	0.0000	0.0000	0.0000	0.0000
07/03/2019 00:00	1102.2	0.0	1121.7	0.0		1377.4	0.6632	83.7037	11.2021	1.8092	0.3204	0.3273	0.0539	0.0595	0.0162	0.0000	0.0000	0.0000	0.0000	0.5091	1.6904	0.0000	1.1227	0.0000	0.0000	0.0000	0.0000
07/04/2019 00:00	1104.5	0.0	1124.0	0.0		1378.3	0.6651	83.7200	11.6008	1.7202	0.2134	0.3450	0.0562	0.0627	0.0168	0.0000	0.0000	0.0000	0.0000	0.4563	1.7491	0.0000	1.1650	0.0000	0.0000	0.0000	0.0000
07/05/2019 00:00	1112.4	0.0	1132.0	0.0		1381.7	0.6712	82.8017	12.2132	1.7944	0.3015	0.3741	0.0615	0.0697	0.0190	0.0000	0.0000	0.0000	0.0000	0.4373	1.8274	0.0000	1.1529	0.0000	0.0000	0.0000	0.0000
07/06/2019 00:00	1110.5	0.0	1130.1	0.0		1381.7	0.6690	83.3784	11.8215	1.7294	0.3514	0.3605	0.0591	0.0663	0.0180	0.0000	0.0000	0.0000	0.0000	0.4592	1.7363	0.0000	1.2001	0.0000	0.0000	0.0000	0.0000
07/07/2019 00:00	1108.4	0.0	1127.9	0.0		1380.0	0.6680	83.3694	11.7744	1.7213	0.3287	0.3513	0.0587	0.0665	0.0181	0.0000	0.0000	0.0000	0.0000	0.4810	1.7300	0.0000	1.2343	0.0000	0.0000	0.0000	0.0000
07/08/2019 00:00	1100.7	0.0	1120.1	0.0		1376.9	0.6618	83.5637	11.6106	1.6631	0.1896	0.3297	0.0577	0.0651	0.0185	0.0000	0.0000	0.0000	0.0000	0.4854	1.6819	0.0000	1.1232	0.0000	0.0000	0.0000	0.0000
07/09/2019 00:00	1092.2	0.0	1111.5	0.0		1371.5	0.6568	84.3665	10.8488	1.6365	0.1849	0.2907	0.0481	0.0538	0.0151	0.0000	0.0000	0.0000	0.0000	0.5731	1.6457	0.0000	1.1485	0.0000	0.0000	0.0000	0.0000
07/10/2019 00:00	1086.5	0.0	1105.7	0.0		1368.0	0.6532	85.0742	10.5993	1.4507	0.1197	0.2525	0.0427	0.0487	0.0138	0.0000	0.0000	0.0000	0.0000	0.6155	1.6467	0.0000	1.1294	0.0000	0.0000	0.0000	0.0000
07/11/2019 00:00	1087.6	0.0	1106.7	0.0		1368.5	0.6541	84.7607	10.5515	1.5937	0.1813	0.2466	0.0401	0.0450	0.0126	0.0000	0.0000	0.0000	0.0000	0.6396	1.6514	0.0000	1.0804	0.0000	0.0000	0.0000	0.0000
07/12/2019 00:00	1093.3	0.0	1112.6	0.0		1371.4	0.6581	84.4816	10.7445	1.6124	0.2958	0.2626	0.0444	0.0498	0.0140	0.0000	0.0000	0.0000	0.0000	0.6025	1.6845	0.0000	1.1136	0.0000	0.0000	0.0000	0.0000
07/13/2019 00:00	1100.7	0.0	1120.2	0.0		1375.1	0.6637	83.8822	11.4976	1.6851	0.1537	0.3197	0.0558	0.0628	0.0174	0.0000	0.0000	0.0000	0.0000	0.5459	1.7192	0.0000	1.2552	0.0000	0.0000	0.0000	0.0000
07/14/2019 00:00	1102.1	0.0	1121.6	0.0		1374.6	0.6658	83.9682	11.3863	1.6548	0.2153	0.3412	0.0599	0.0687	0.0197	0.0000	0.0000	0.0000	0.0000	0.5339	1.7302	0.0000	1.4538	0.0000	0.0000	0.0000	0.0000
07/15/2019 00:00	1101.8	0.0	1121.3	0.0		1373.5	0.6665	84.0829	10.9613	1.7717	0.3329	0.3329	0.0565	0.0633	0.0177	0.0000	0.0000	0.0000	0.0000	0.6281	1.7333	0.0000	1.4198	0.0000	0.0000	0.0000	0.0000
07/16/2019 00:00	1095.7	0.0	1115.1	0.0		1370.9	0.6616	84.4814	10.9683	1.6404	0.1223	0.3267	0.0575	0.0640	0.0185	0.0000	0.0000	0.0000	0.0000	0.6143	1.6862	0.0000	1.4266	0.0000	0.0000	0.0000	0.0000
07/17/2019 00:00	1096.8	0.0	1116.2	0.0		1372.0	0.6619	84.4204	11.1375	1.5776	0.1247	0.3276	0.0589	0.0662	0.0193	0.0000	0.0000	0.0000	0.0000	0.5723	1.6740	0.0000	1.4563	0.0000	0.0000	0.0000	0.0000
07/18/2019 00:00	1093.8	0.0	1113.2	0.0		1370.4	0.6599	84.7013	10.8934	1.5683	0.1126	0.3121	0.0555	0.0625	0.0181	0.0000	0.0000	0.0000	0.0000	0.6071	1.6490	0.0000	1.4533	0.0000	0.0000	0.0000	0.0000
07/19/2019 00:00	1091.1	0.0	1110.4	0.0		1368.2	0.6586	84.6536	10.6904	1.6618	0.1096	0.2980	0.0505	0.0566	0.0165	0.0000	0.0000	0.0000	0.0000	0.6800	1.6820	0.0000	1.3107	0.0000	0.0000	0.0000	0.0000
07/20/2019 00:00	1097.5	0.0	1116.9	0.0		1372.8	0.6619	84.2475	11.0999	1.7120	0.1364	0.3230	0.0542	0.0613	0.0175	0.0000	0.0000	0.0000	0.0000	0.6080	1.7210	0.0000	1.2078	0.0000	0.0000	0.0000	0.0000
07/21/2019 00:00	1096.6	0.0	1115.9	0.0		1374.1	0.6596	83.9288	11.1452	1.7556	0.1527	0.3214	0.0538	0.0601	0.0166	0.0000	0.0000	0.0000	0.0000	0.6007	1.6287	0.0000	1.1366	0.0000	0.0000	0.0000	0.0000
07/22/2019 00:00	1106.5	0.0	1126.0	0.0		1383.9	0.6620	84.2549	11.1838	1.7067	0.3817	0.3189	0.0538	0.0592	0.0160	0.0000	0.0000	0.0000	0.0000	0.5476	1.4597	0.0000	1.0646	0.0000	0.0000	0.0000	0.0000
07/23/2019 00:00	1106.5	0.0	1126.0	0.0		1383.9	0.6620	84.2549	11.1838	1.7067	0.3817	0.3189	0.0538	0.0592	0.0160	0.0000	0.0000	0.0000	0.0000	0.5476	1.4597	0.0000	1.0646	0.0000	0.0000	0.0000	0.0000
Flow Weighted Average:	1099.7	0.0	1119.2	0.0			0.6626	83.9958	11.2773	1.6735	0.2215	0.3194	0.0542	0.0608	0.0170	0.0000	0.0000	0.0000	0.0000	0.5477	1.6995	0.0000	1.2210	0.0000	0.0000	0.0000	0.0000