



Chromatograph Report

from Contract Day 09/01/2019 to Contract Day 09/30/2019

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
09/01/2019 00:00	1085.5	0.0	1104.6	0.0		1367.1	0.6528	84.1993	10.7052	1.7521	0.1010	0.2452	0.0375	0.0394	0.0101	0.0000	0.0000	0.0000	0.0000	0.5777	1.7411	0.0000	0.9230	0.0000	0.0000	0.0000	0.0000
09/02/2019 00:00	1097.9	0.0	1117.3	0.0		1372.9	0.6623	83.9965	10.9945	1.9370	0.1382	0.3109	0.0498	0.0548	0.0152	0.0000	0.0000	0.0000	0.0000	0.5604	1.7653	0.0000	1.1755	0.0000	0.0000	0.0000	0.0000
09/03/2019 00:00	1098.0	0.0	1117.4	0.0		1374.0	0.6614	83.7556	11.0059	1.9477	0.1747	0.3336	0.0516	0.0564	0.0156	0.0000	0.0000	0.0000	0.0000	0.5330	1.7511	0.0000	1.0678	0.0000	0.0000	0.0000	0.0000
09/04/2019 00:00	1110.9	0.0	1130.5	0.0		1381.8	0.6694	83.5949	11.1946	2.0227	0.4411	0.3518	0.0536	0.0583	0.0153	0.0000	0.0000	0.0000	0.0000	0.5097	1.7409	0.0000	1.1161	0.0000	0.0000	0.0000	0.0000
09/05/2019 00:00	1110.9	0.0	1130.5	0.0		1381.8	0.6694	83.5949	11.1946	2.0227	0.4411	0.3518	0.0536	0.0583	0.0153	0.0000	0.0000	0.0000	0.0000	0.5097	1.7409	0.0000	1.1161	0.0000	0.0000	0.0000	0.0000
09/06/2019 00:00	1094.7	0.0	1113.9	0.0		1372.5	0.6587	83.6263	10.8410	1.8322	0.3452	0.2949	0.0465	0.0513	0.0138	0.0000	0.0000	0.0000	0.0000	0.5525	1.7443	0.0000	0.9252	0.0000	0.0000	0.0000	0.0000
09/07/2019 00:00	1092.1	0.0	1111.3	0.0		1370.6	0.6574	83.2201	11.0841	1.8015	0.2815	0.2900	0.0483	0.0537	0.0149	0.0000	0.0000	0.0000	0.0000	0.5381	1.7816	0.0000	0.8861	0.0000	0.0000	0.0000	0.0000
09/08/2019 00:00	1091.9	0.0	1111.1	0.0		1371.3	0.6564	83.2949	11.3023	1.7931	0.1632	0.2782	0.0448	0.0497	0.0133	0.0000	0.0000	0.0000	0.0000	0.5081	1.8207	0.0000	0.7316	0.0000	0.0000	0.0000	0.0000
09/09/2019 00:00	1087.5	0.0	1106.5	0.0		1369.3	0.6530	83.6918	11.1572	1.6707	0.1176	0.2516	0.0399	0.0443	0.0119	0.0000	0.0000	0.0000	0.0000	0.5205	1.7960	0.0000	0.6985	0.0000	0.0000	0.0000	0.0000
09/10/2019 00:00	1097.8	0.0	1117.1	0.0		1370.9	0.6640	82.8821	11.5631	1.9082	0.1615	0.3286	0.0540	0.0599	0.0164	0.0000	0.0000	0.0000	0.0000	0.4931	1.9711	0.0000	0.9897	0.0000	0.0000	0.0000	0.0000
09/11/2019 00:00	1100.0	0.0	1119.4	0.0		1373.1	0.6646	82.9513	11.6954	1.8692	0.1696	0.3265	0.0548	0.0601	0.0160	0.0000	0.0000	0.0000	0.0000	0.4556	1.9492	0.0000	0.9834	0.0000	0.0000	0.0000	0.0000
09/12/2019 00:00	1087.4	0.0	1106.5	0.0		1367.4	0.6548	83.6020	11.0150	1.8132	0.1364	0.2352	0.0376	0.0399	0.0104	0.0000	0.0000	0.0000	0.0000	0.5744	1.8049	0.0000	0.8716	0.0000	0.0000	0.0000	0.0000
09/13/2019 00:00	1088.5	0.0	1107.6	0.0		1370.3	0.6533	83.7026	11.1326	1.6516	0.2618	0.1955	0.0303	0.0328	0.0086	0.0000	0.0000	0.0000	0.0000	0.5192	1.7768	0.0000	0.6882	0.0000	0.0000	0.0000	0.0000
09/14/2019 00:00	1096.4	0.0	1115.7	0.0		1373.3	0.6600	83.3907	11.2191	1.8145	0.3064	0.2739	0.0449	0.0488	0.0131	0.0000	0.0000	0.0000	0.0000	0.5163	1.7699	0.0000	0.9615	0.0000	0.0000	0.0000	0.0000
09/15/2019 00:00	1094.6	0.0	1113.9	0.0		1371.7	0.6594	83.5042	11.2184	1.8955	0.1471	0.2828	0.0448	0.0477	0.0126	0.0000	0.0000	0.0000	0.0000	0.5222	1.7700	0.0000	1.0512	0.0000	0.0000	0.0000	0.0000
09/16/2019 00:00	1093.6	0.0	1112.9	0.0		1371.7	0.6582	83.6072	11.0352	1.9259	0.1659	0.2792	0.0436	0.0471	0.0124	0.0000	0.0000	0.0000	0.0000	0.5057	1.7575	0.0000	1.0231	0.0000	0.0000	0.0000	0.0000
09/17/2019 00:00	1081.6	0.0	1100.6	0.0		1365.6	0.6496	84.2175	10.3783	1.7938	0.1211	0.2453	0.0379	0.0390	0.0100	0.0000	0.0000	0.0000	0.0000	0.5824	1.6970	0.0000	0.8776	0.0000	0.0000	0.0000	0.0000
09/18/2019 00:00	1088.8	0.0	1107.9	0.0		1369.6	0.6543	83.5484	11.1049	1.6523	0.2520	0.2475	0.0396	0.0433	0.0114	0.0000	0.0000	0.0000	0.0000	0.4896	1.7885	0.0000	0.8225	0.0000	0.0000	0.0000	0.0000
09/19/2019 00:00	1094.2	0.0	1113.4	0.0		1372.3	0.6583	82.8670	11.7503	1.7879	0.1351	0.2714	0.0450	0.0494	0.0133	0.0000	0.0000	0.0000	0.0000	0.4545	1.8657	0.0000	0.7606	0.0000	0.0000	0.0000	0.0000
09/20/2019 00:00	1101.5	0.0	1120.9	0.0		1375.1	0.6644	82.3838	11.9872	2.0145	0.1060	0.3353	0.0562	0.0620	0.0165	0.0000	0.0000	0.0000	0.0000	0.4058	1.9100	0.0000	0.9477	0.0000	0.0000	0.0000	0.0000
09/21/2019 00:00	1098.6	0.0	1117.9	0.0		1374.2	0.6618	82.4104	11.8538	1.9982	0.1018	0.3316	0.0546	0.0601	0.0161	0.0000	0.0000	0.0000	0.0000	0.4238	1.8738	0.0000	0.8759	0.0000	0.0000	0.0000	0.0000
09/22/2019 00:00	1097.9	0.0	1117.2	0.0		1374.2	0.6609	82.5285	11.8742	1.9155	0.1083	0.3232	0.0529	0.0597	0.0159	0.0000	0.0000	0.0000	0.0000	0.4120	1.8734	0.0000	0.8363	0.0000	0.0000	0.0000	0.0000
09/23/2019 00:00	1097.5	0.0	1116.8	0.0		1373.7	0.6609	82.6133	11.7477	1.9310	0.1433	0.3145	0.0508	0.0569	0.0149	0.0000	0.0000	0.0000	0.0000	0.4276	1.8942	0.0000	0.8058	0.0000	0.0000	0.0000	0.0000
09/24/2019 00:00	1104.1	0.0	1123.5	0.0		1376.5	0.6662	82.1343	12.1293	2.0922	0.1247	0.3413	0.0546	0.0609	0.0156	0.0000	0.0000	0.0000	0.0000	0.4098	1.9221	0.0000	0.9366	0.0000	0.0000	0.0000	0.0000
09/25/2019 00:00	1100.8	0.0	1120.1	0.0		1377.1	0.6616	82.7424	11.5516	1.9780	0.2828	0.3133	0.0492	0.0546	0.0142	0.0000	0.0000	0.0000	0.0000	0.4481	1.8134	0.0000	0.7525	0.0000	0.0000	0.0000	0.0000
09/26/2019 00:00	1101.5	0.0	1120.8	0.0		1377.8	0.6618	82.7644	11.5372	2.0347	0.2705	0.3092	0.0481	0.0530	0.0138	0.0000	0.0000	0.0000	0.0000	0.4942	1.8003	0.0000	0.6747	0.0000	0.0000	0.0000	0.0000
09/27/2019 00:00	1092.7	0.0	1111.9	0.0		1371.5	0.6573	83.1471	11.4702	1.7929	0.1204	0.2947	0.0466	0.0517	0.0138	0.0000	0.0000	0.0000	0.0000	0.5012	1.8576	0.0000	0.7040	0.0000	0.0000	0.0000	0.0000
09/28/2019 00:00	1095.5	0.0	1114.7	0.0		1373.2	0.6589	82.9830	11.6058	1.8377	0.1369	0.3025	0.0488	0.0537	0.0137	0.0000	0.0000	0.0000	0.0000	0.4751	1.8879	0.0000	0.6551	0.0000	0.0000	0.0000	0.0000
09/29/2019 00:00	1092.4	0.0	1111.6	0.0		1370.2	0.6581	83.0465	11.5854	1.7830	0.0839	0.2960	0.0472	0.0525	0.0136	0.0000	0.0000	0.0000	0.0000	0.4864	1.8990	0.0000	0.7941	0.0000	0.0000	0.0000	0.0000
09/30/2019 00:00	1091.5	0.0	1110.7	0.0		1368.5	0.6588	82.7398	11.5646	1.7900	0.1276	0.3121	0.0513	0.0570	0.0155	0.0000	0.0000	0.0000	0.0000	0.4753	1.8941	0.0000	0.9727	0.0000	0.0000	0.0000	0.0000
Flow Weighted Average:	1095.6	0.0	1114.9	0.0		0.6597	83.2570	11.3309	1.8678	0.1918	0.2956	0.0473	0.0519	0.0138	0.0000	0.0000	0.0000	0.0000	0.0000	0.5007	1.8231	0.0000	0.8952	0.0000	0.0000	0.0000	0.0000



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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
09/01/2019 00:00	1085.4	0.0	1104.5	0.0		1367.1	0.6527	84.1924	10.7149	1.7449	0.1004	0.2441	0.0373	0.0393	0.0100	0.0000	0.0000	0.0000	0.0000	0.5760	1.7430	0.0000	0.9176	0.0000	0.0000	0.0000	0.0000
09/02/2019 00:00	1097.6	0.0	1117.0	0.0		1372.7	0.6621	83.9919	10.9911	1.9330	0.1378	0.3098	0.0497	0.0546	0.0151	0.0000	0.0000	0.0000	0.0000	0.5598	1.7650	0.0000	1.1707	0.0000	0.0000	0.0000	0.0000
09/03/2019 00:00	1098.1	0.0	1117.5	0.0		1374.0	0.6614	83.7527	11.0059	1.9487	0.1774	0.3339	0.0516	0.0564	0.0156	0.0000	0.0000	0.0000	0.0000	0.5324	1.7509	0.0000	1.0667	0.0000	0.0000	0.0000	0.0000
09/04/2019 00:00	1110.9	0.0	1130.5	0.0		1381.8	0.6694	83.5949	11.1946	2.0227	0.4411	0.3518	0.0536	0.0583	0.0153	0.0000	0.0000	0.0000	0.0000	0.5097	1.7409	0.0000	1.1161	0.0000	0.0000	0.0000	0.0000
09/05/2019 00:00	1110.9	0.0	1130.5	0.0		1381.8	0.6694	83.5949	11.1946	2.0227	0.4411	0.3518	0.0536	0.0583	0.0153	0.0000	0.0000	0.0000	0.0000	0.5097	1.7409	0.0000	1.1161	0.0000	0.0000	0.0000	0.0000
09/06/2019 00:00	1094.2	0.0	1113.4	0.0		1372.3	0.6583	83.6245	10.8310	1.8268	0.3430	0.2928	0.0462	0.0509	0.0137	0.0000	0.0000	0.0000	0.0000	0.5535	1.7434	0.0000	0.9191	0.0000	0.0000	0.0000	0.0000
09/07/2019 00:00	1092.1	0.0	1111.3	0.0		1370.6	0.6574	83.2205	11.0844	1.8023	0.2802	0.2902	0.0483	0.0537	0.0149	0.0000	0.0000	0.0000	0.0000	0.5381	1.7818	0.0000	0.8856	0.0000	0.0000	0.0000	0.0000
09/08/2019 00:00	1091.9	0.0	1111.1	0.0		1371.3	0.6564	83.2929	11.3024	1.7937	0.1633	0.2784	0.0449	0.0498	0.0134	0.0000	0.0000	0.0000	0.0000	0.5081	1.8207	0.0000	0.7324	0.0000	0.0000	0.0000	0.0000
09/09/2019 00:00	1087.5	0.0	1106.6	0.0		1369.3	0.6530	83.6915	11.1568	1.6709	0.1183	0.2519	0.0400	0.0444	0.0119	0.0000	0.0000	0.0000	0.0000	0.5207	1.7964	0.0000	0.6971	0.0000	0.0000	0.0000	0.0000
09/10/2019 00:00	1098.3	0.0	1117.7	0.0		1371.2	0.6644	82.8681	11.5843	1.9179	0.1599	0.3314	0.0544	0.0605	0.0165	0.0000	0.0000	0.0000	0.0000	0.4895	1.9721	0.0000	1.0056	0.0000	0.0000	0.0000	0.0000
09/11/2019 00:00	1100.1	0.0	1119.5	0.0		1373.2	0.6647	82.9549	11.6927	1.8724	0.1698	0.3271	0.0549	0.0603	0.0160	0.0000	0.0000	0.0000	0.0000	0.4562	1.9492	0.0000	0.9863	0.0000	0.0000	0.0000	0.0000
09/12/2019 00:00	1086.8	0.0	1105.9	0.0		1366.9	0.6546	83.7116	10.9362	1.8093	0.1276	0.2376	0.0381	0.0402	0.0104	0.0000	0.0000	0.0000	0.0000	0.5818	1.7925	0.0000	0.9198	0.0000	0.0000	0.0000	0.0000
09/13/2019 00:00	1088.3	0.0	1107.4	0.0		1370.2	0.6532	83.7173	11.1299	1.6455	0.2603	0.1942	0.0300	0.0326	0.0085	0.0000	0.0000	0.0000	0.0000	0.5192	1.7764	0.0000	0.6861	0.0000	0.0000	0.0000	0.0000
09/14/2019 00:00	1097.6	0.0	1117.0	0.0		1374.0	0.6608	83.5713	11.2112	1.8205	0.2926	0.2711	0.0443	0.0482	0.0131	0.0000	0.0000	0.0000	0.0000	0.5221	1.7640	0.0000	0.9997	0.0000	0.0000	0.0000	0.0000
09/15/2019 00:00	1096.4	0.0	1115.7	0.0		1372.4	0.6609	83.5607	11.2200	1.9168	0.1530	0.2915	0.0467	0.0499	0.0132	0.0000	0.0000	0.0000	0.0000	0.5298	1.7797	0.0000	1.0894	0.0000	0.0000	0.0000	0.0000
09/16/2019 00:00	1091.5	0.0	1110.7	0.0		1370.4	0.6569	83.1297	11.1726	1.9432	0.1449	0.2880	0.0457	0.0494	0.0133	0.0000	0.0000	0.0000	0.0000	0.4956	1.7617	0.0000	0.9795	0.0000	0.0000	0.0000	0.0000
09/17/2019 00:00	1090.3	0.0	1109.4	0.0		1369.9	0.6559	83.2406	11.0893	1.9289	0.1299	0.2868	0.0458	0.0494	0.0134	0.0000	0.0000	0.0000	0.0000	0.4996	1.7558	0.0000	0.9605	0.0000	0.0000	0.0000	0.0000
09/18/2019 00:00	1088.8	0.0	1107.9	0.0		1369.6	0.6543	83.5484	11.1049	1.6523	0.2520	0.2475	0.0396	0.0433	0.0114	0.0000	0.0000	0.0000	0.0000	0.4896	1.7885	0.0000	0.8225	0.0000	0.0000	0.0000	0.0000
09/20/2019 00:00	1101.5	0.0	1120.9	0.0		1375.2	0.6644	82.3837	11.9845	2.0172	0.1055	0.3355	0.0561	0.0619	0.0165	0.0000	0.0000	0.0000	0.0000	0.4057	1.9095	0.0000	0.9478	0.0000	0.0000	0.0000	0.0000
09/21/2019 00:00	1098.4	0.0	1117.7	0.0		1374.1	0.6617	82.4204	11.8460	1.9949	0.1021	0.3307	0.0544	0.0599	0.0161	0.0000	0.0000	0.0000	0.0000	0.4250	1.8743	0.0000	0.8761	0.0000	0.0000	0.0000	0.0000
09/22/2019 00:00	1097.8	0.0	1117.1	0.0		1374.1	0.6610	82.5028	11.8953	1.9084	0.1080	0.3234	0.0529	0.0596	0.0159	0.0000	0.0000	0.0000	0.0000	0.4114	1.8758	0.0000	0.8466	0.0000	0.0000	0.0000	0.0000
09/23/2019 00:00	1097.5	0.0	1116.8	0.0		1373.7	0.6609	82.6124	11.7510	1.9309	0.1422	0.3142	0.0508	0.0568	0.0149	0.0000	0.0000	0.0000	0.0000	0.4281	1.8931	0.0000	0.8057	0.0000	0.0000	0.0000	0.0000
09/24/2019 00:00	1104.1	0.0	1123.5	0.0		1376.5	0.6662	82.1363	12.1289	2.0930	0.1241	0.3413	0.0546	0.0609	0.0156	0.0000	0.0000	0.0000	0.0000	0.4100	1.9218	0.0000	0.9376	0.0000	0.0000	0.0000	0.0000
09/25/2019 00:00	1100.7	0.0	1120.1	0.0		1377.1	0.6616	82.7655	11.5181	1.9750	0.2951	0.3128	0.0491	0.0545	0.0142	0.0000	0.0000	0.0000	0.0000	0.4509	1.8079	0.0000	0.7570	0.0000	0.0000	0.0000	0.0000
09/26/2019 00:00	1101.6	0.0	1120.9	0.0		1377.8	0.6618	82.7698	11.5339	2.0346	0.2717	0.3094	0.0481	0.0530	0.0138	0.0000	0.0000	0.0000	0.0000	0.4937	1.7992	0.0000	0.6728	0.0000	0.0000	0.0000	0.0000
09/27/2019 00:00	1092.7	0.0	1111.9	0.0		1371.5	0.6573	83.1463	11.4703	1.7931	0.1203	0.2947	0.0466	0.0517	0.0138	0.0000	0.0000	0.0000	0.0000	0.5013	1.8577	0.0000	0.7041	0.0000	0.0000	0.0000	0.0000
09/28/2019 00:00	1095.5	0.0	1114.7	0.0		1373.2	0.6589	82.9810	11.6077	1.8386	0.1354	0.3024	0.0488	0.0537	0.0137	0.0000	0.0000	0.0000	0.0000	0.4747	1.8882	0.0000	0.6559	0.0000	0.0000	0.0000	0.0000
09/29/2019 00:00	1092.4	0.0	1111.6	0.0		1370.2	0.6581	83.0481	11.5841	1.7829	0.0839	0.2960	0.0472	0.0525	0.0136	0.0000	0.0000	0.0000	0.0000	0.4863	1.8987	0.0000	0.7934	0.0000	0.0000	0.0000	0.0000
Flow Weighted Average:	1096.4	0.0	1115.7	0.0			0.6602	83.2032	11.3836	1.8790	0.1930	0.2975	0.0475	0.0522	0.0138	0.0000	0.0000	0.0000	0.0000	0.4970	1.8301	0.0000	0.8769	0.0000	0.0000	0.0000	0.0000



Chromatograph Report

from Contract Day 09/01/2019 to Contract Day 09/30/2019

Station ID: RTU631

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
09/01/2019 00:00	1085.5	0.0	1104.6	0.0		1367.1	0.6528	84.1993	10.7045	1.7528	0.1011	0.2453	0.0375	0.0395	0.0101	0.0000	0.0000	0.0000	0.0000	0.5778	1.7409	0.0000	0.9235	0.0000	0.0000	0.0000	0.0000
09/02/2019 00:00	1097.9	0.0	1117.3	0.0		1372.9	0.6623	83.9960	10.9953	1.9374	0.1383	0.3110	0.0498	0.0548	0.0152	0.0000	0.0000	0.0000	0.0000	0.5604	1.7653	0.0000	1.1758	0.0000	0.0000	0.0000	0.0000
09/03/2019 00:00	1098.0	0.0	1117.4	0.0		1374.0	0.6614	83.7557	11.0066	1.9480	0.1749	0.3337	0.0516	0.0564	0.0156	0.0000	0.0000	0.0000	0.0000	0.5329	1.7511	0.0000	1.0679	0.0000	0.0000	0.0000	0.0000
09/04/2019 00:00	1110.9	0.0	1130.5	0.0		1381.8	0.6694	83.5949	11.1946	2.0227	0.4411	0.3518	0.0536	0.0583	0.0153	0.0000	0.0000	0.0000	0.0000	0.5097	1.7409	0.0000	1.1161	0.0000	0.0000	0.0000	0.0000
09/05/2019 00:00	1110.9	0.0	1130.5	0.0		1381.8	0.6694	83.5949	11.1946	2.0227	0.4411	0.3518	0.0536	0.0583	0.0153	0.0000	0.0000	0.0000	0.0000	0.5097	1.7409	0.0000	1.1161	0.0000	0.0000	0.0000	0.0000
09/06/2019 00:00	1094.9	0.0	1114.2	0.0		1372.7	0.6588	83.6290	10.8447	1.8349	0.3461	0.2957	0.0466	0.0513	0.0138	0.0000	0.0000	0.0000	0.0000	0.5519	1.7442	0.0000	0.9262	0.0000	0.0000	0.0000	0.0000
09/07/2019 00:00	1092.2	0.0	1111.4	0.0		1370.7	0.6575	83.2205	11.0814	1.8000	0.2862	0.2899	0.0483	0.0537	0.0149	0.0000	0.0000	0.0000	0.0000	0.5387	1.7816	0.0000	0.8848	0.0000	0.0000	0.0000	0.0000
09/08/2019 00:00	1091.9	0.0	1111.1	0.0		1371.3	0.6564	83.2950	11.3021	1.7931	0.1632	0.2782	0.0448	0.0497	0.0133	0.0000	0.0000	0.0000	0.0000	0.5081	1.8207	0.0000	0.7317	0.0000	0.0000	0.0000	0.0000
09/09/2019 00:00	1087.5	0.0	1106.5	0.0		1369.3	0.6530	83.6917	11.1577	1.6705	0.1176	0.2515	0.0399	0.0443	0.0119	0.0000	0.0000	0.0000	0.0000	0.5204	1.7960	0.0000	0.6984	0.0000	0.0000	0.0000	0.0000
09/10/2019 00:00	1097.8	0.0	1117.1	0.0		1370.9	0.6640	82.8805	11.5635	1.9085	0.1616	0.3286	0.0539	0.0599	0.0164	0.0000	0.0000	0.0000	0.0000	0.4930	1.9710	0.0000	0.9895	0.0000	0.0000	0.0000	0.0000
09/11/2019 00:00	1100.0	0.0	1119.4	0.0		1373.1	0.6646	82.9499	11.6958	1.8689	0.1697	0.3265	0.0548	0.0601	0.0160	0.0000	0.0000	0.0000	0.0000	0.4555	1.9490	0.0000	0.9830	0.0000	0.0000	0.0000	0.0000
09/12/2019 00:00	1087.2	0.0	1106.3	0.0		1367.2	0.6547	83.5744	11.0402	1.7949	0.1338	0.2384	0.0386	0.0410	0.0106	0.0000	0.0000	0.0000	0.0000	0.5709	1.8100	0.0000	0.8688	0.0000	0.0000	0.0000	0.0000
09/13/2019 00:00	1088.5	0.0	1107.5	0.0		1370.3	0.6533	83.7053	11.1326	1.6494	0.2615	0.1953	0.0302	0.0328	0.0086	0.0000	0.0000	0.0000	0.0000	0.5189	1.7767	0.0000	0.6885	0.0000	0.0000	0.0000	0.0000
09/14/2019 00:00	1096.4	0.0	1115.7	0.0		1373.3	0.6600	83.3934	11.2181	1.8145	0.3066	0.2739	0.0449	0.0488	0.0131	0.0000	0.0000	0.0000	0.0000	0.5163	1.7698	0.0000	0.9618	0.0000	0.0000	0.0000	0.0000
09/15/2019 00:00	1095.3	0.0	1114.6	0.0		1372.1	0.6600	83.5449	11.2149	1.9019	0.1496	0.2850	0.0453	0.0483	0.0127	0.0000	0.0000	0.0000	0.0000	0.5229	1.7708	0.0000	1.0717	0.0000	0.0000	0.0000	0.0000
09/16/2019 00:00	1093.7	0.0	1112.9	0.0		1371.7	0.6583	83.6182	11.0351	1.9250	0.1658	0.2793	0.0436	0.0471	0.0124	0.0000	0.0000	0.0000	0.0000	0.5053	1.7570	0.0000	1.0251	0.0000	0.0000	0.0000	0.0000
09/17/2019 00:00	1081.6	0.0	1100.6	0.0		1365.6	0.6496	84.2210	10.3763	1.7924	0.1214	0.2451	0.0379	0.0390	0.0100	0.0000	0.0000	0.0000	0.0000	0.5824	1.6968	0.0000	0.8777	0.0000	0.0000	0.0000	0.0000
09/18/2019 00:00	1088.2	0.0	1107.3	0.0		1369.3	0.6540	83.6041	11.0587	1.6405	0.2559	0.2447	0.0391	0.0428	0.0112	0.0000	0.0000	0.0000	0.0000	0.4918	1.7853	0.0000	0.8258	0.0000	0.0000	0.0000	0.0000
09/19/2019 00:00	1094.2	0.0	1113.4	0.0		1372.3	0.6583	82.8670	11.7503	1.7879	0.1351	0.2714	0.0450	0.0494	0.0133	0.0000	0.0000	0.0000	0.0000	0.4545	1.8657	0.0000	0.7606	0.0000	0.0000	0.0000	0.0000
09/20/2019 00:00	1101.5	0.0	1120.9	0.0		1375.2	0.6644	82.3854	11.9866	2.0145	0.1060	0.3354	0.0562	0.0620	0.0165	0.0000	0.0000	0.0000	0.0000	0.4058	1.9098	0.0000	0.9482	0.0000	0.0000	0.0000	0.0000
09/21/2019 00:00	1098.7	0.0	1118.0	0.0		1374.3	0.6618	82.4126	11.8592	1.9988	0.1016	0.3317	0.0546	0.0602	0.0161	0.0000	0.0000	0.0000	0.0000	0.4216	1.8721	0.0000	0.8716	0.0000	0.0000	0.0000	0.0000
09/22/2019 00:00	1097.9	0.0	1117.2	0.0		1374.2	0.6609	82.5390	11.8617	1.9185	0.1083	0.3235	0.0530	0.0599	0.0159	0.0000	0.0000	0.0000	0.0000	0.4131	1.8738	0.0000	0.8333	0.0000	0.0000	0.0000	0.0000
09/23/2019 00:00	1097.6	0.0	1116.8	0.0		1373.7	0.6610	82.6127	11.7474	1.9312	0.1448	0.3148	0.0509	0.0570	0.0150	0.0000	0.0000	0.0000	0.0000	0.4267	1.8953	0.0000	0.8042	0.0000	0.0000	0.0000	0.0000
09/24/2019 00:00	1104.2	0.0	1123.6	0.0		1376.5	0.6663	82.1364	12.1289	2.0934	0.1254	0.3415	0.0547	0.0610	0.0156	0.0000	0.0000	0.0000	0.0000	0.4099	1.9216	0.0000	0.9376	0.0000	0.0000	0.0000	0.0000
09/25/2019 00:00	1101.4	0.0	1120.7	0.0		1377.2	0.6622	82.6191	11.6706	2.0054	0.2483	0.3164	0.0497	0.0553	0.0144	0.0000	0.0000	0.0000	0.0000	0.4382	1.8324	0.0000	0.7502	0.0000	0.0000	0.0000	0.0000
09/26/2019 00:00	1101.8	0.0	1121.1	0.0		1377.4	0.6626	82.5768	11.6556	2.0727	0.2438	0.3082	0.0483	0.0534	0.0143	0.0000	0.0000	0.0000	0.0000	0.5122	1.8110	0.0000	0.7038	0.0000	0.0000	0.0000	0.0000
09/27/2019 00:00	1092.5	0.0	1111.7	0.0		1371.4	0.6571	83.1717	11.4530	1.7827	0.1242	0.2942	0.0466	0.0517	0.0137	0.0000	0.0000	0.0000	0.0000	0.5006	1.8564	0.0000	0.7053	0.0000	0.0000	0.0000	0.0000
09/28/2019 00:00	1095.2	0.0	1114.4	0.0		1373.1	0.6586	83.0410	11.5645	1.8209	0.1472	0.3013	0.0485	0.0532	0.0135	0.0000	0.0000	0.0000	0.0000	0.4825	1.8807	0.0000	0.6468	0.0000	0.0000	0.0000	0.0000
09/29/2019 00:00	1092.4	0.0	1111.6	0.0		1370.2	0.6581	83.0465	11.5854	1.7830	0.0839	0.2960	0.0472	0.0525	0.0136	0.0000	0.0000	0.0000	0.0000	0.4864	1.8990	0.0000	0.7941	0.0000	0.0000	0.0000	0.0000
Flow Weighted Average:	1095.4	0.0	1114.7	0.0		0.6596	83.3905	11.2362	1.8645	0.2021	0.2940	0.0469	0.0513	0.0137	0.0000	0.0000	0.0000	0.0000	0.0000	0.5082	1.8051	0.0000	0.9263	0.0000	0.0000	0.0000	0.0000



PUBLIC SERVICE OF COLORADO

9/30/2019 12:55 PM

Micah Zamora

Chromatograph Report

from Contract Day 09/01/2019 to Contract Day 09/30/2019

Station ID: WGI IN

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
09/01/2019 00:00	1085.4	0.0	1104.5	0.0		1367.1	0.6527	84.1956	10.7096	1.7487	0.1007	0.2446	0.0374	0.0394	0.0101	0.0000	0.0000	0.0000	0.0000	0.5769	1.7419	0.0000	0.9203	0.0000	0.0000	0.0000	0.0000
09/02/2019 00:00	1097.8	0.0	1117.2	0.0		1372.8	0.6622	83.9937	10.9935	1.9356	0.1381	0.3105	0.0498	0.0547	0.0152	0.0000	0.0000	0.0000	0.0000	0.5602	1.7652	0.0000	1.1736	0.0000	0.0000	0.0000	0.0000
09/03/2019 00:00	1098.1	0.0	1117.4	0.0		1374.0	0.6614	83.7541	11.0063	1.9485	0.1765	0.3338	0.0516	0.0564	0.0156	0.0000	0.0000	0.0000	0.0000	0.5326	1.7510	0.0000	1.0673	0.0000	0.0000	0.0000	0.0000
09/04/2019 00:00	1110.9	0.0	1130.5	0.0		1381.8	0.6694	83.5949	11.1946	2.0227	0.4411	0.3518	0.0536	0.0583	0.0153	0.0000	0.0000	0.0000	0.0000	0.5097	1.7409	0.0000	1.1161	0.0000	0.0000	0.0000	0.0000
09/05/2019 00:00	1110.9	0.0	1130.5	0.0		1381.8	0.6694	83.5949	11.1946	2.0227	0.4411	0.3518	0.0536	0.0583	0.0153	0.0000	0.0000	0.0000	0.0000	0.5097	1.7409	0.0000	1.1161	0.0000	0.0000	0.0000	0.0000
09/06/2019 00:00	1094.5	0.0	1113.7	0.0		1372.4	0.6585	83.6263	10.8370	1.8298	0.3444	0.2939	0.0463	0.0511	0.0137	0.0000	0.0000	0.0000	0.0000	0.5529	1.7437	0.0000	0.9226	0.0000	0.0000	0.0000	0.0000
09/07/2019 00:00	1092.1	0.0	1111.3	0.0		1370.6	0.6574	83.2197	11.0844	1.8017	0.2814	0.2900	0.0483	0.0537	0.0149	0.0000	0.0000	0.0000	0.0000	0.5381	1.7817	0.0000	0.8863	0.0000	0.0000	0.0000	0.0000
09/08/2019 00:00	1091.9	0.0	1111.1	0.0		1371.3	0.6564	83.2938	11.3021	1.7936	0.1633	0.2783	0.0449	0.0498	0.0134	0.0000	0.0000	0.0000	0.0000	0.5081	1.8206	0.0000	0.7321	0.0000	0.0000	0.0000	0.0000
09/09/2019 00:00	1087.5	0.0	1106.5	0.0		1369.3	0.6530	83.6916	11.1573	1.6707	0.1179	0.2517	0.0400	0.0443	0.0119	0.0000	0.0000	0.0000	0.0000	0.5206	1.7963	0.0000	0.6978	0.0000	0.0000	0.0000	0.0000
09/10/2019 00:00	1098.1	0.0	1117.5	0.0		1371.1	0.6643	82.8728	11.5763	1.9144	0.1606	0.3303	0.0542	0.0602	0.0165	0.0000	0.0000	0.0000	0.0000	0.4909	1.9717	0.0000	0.9990	0.0000	0.0000	0.0000	0.0000
09/11/2019 00:00	1100.1	0.0	1119.4	0.0		1373.1	0.6646	82.9523	11.6942	1.8708	0.1697	0.3268	0.0548	0.0602	0.0160	0.0000	0.0000	0.0000	0.0000	0.4559	1.9491	0.0000	0.9847	0.0000	0.0000	0.0000	0.0000
09/12/2019 00:00	1086.9	0.0	1106.0	0.0		1367.0	0.6547	83.6676	10.9695	1.8056	0.1295	0.2376	0.0382	0.0404	0.0105	0.0000	0.0000	0.0000	0.0000	0.5786	1.7982	0.0000	0.9026	0.0000	0.0000	0.0000	0.0000
09/13/2019 00:00	1088.3	0.0	1107.4	0.0		1370.2	0.6532	83.7146	11.1309	1.6455	0.2606	0.1945	0.0301	0.0327	0.0086	0.0000	0.0000	0.0000	0.0000	0.5189	1.7764	0.0000	0.6872	0.0000	0.0000	0.0000	0.0000
09/14/2019 00:00	1096.9	0.0	1116.3	0.0		1373.6	0.6604	83.4743	11.2137	1.8169	0.3007	0.2725	0.0446	0.0485	0.0131	0.0000	0.0000	0.0000	0.0000	0.5189	1.7670	0.0000	0.9783	0.0000	0.0000	0.0000	0.0000
09/15/2019 00:00	1095.8	0.0	1115.1	0.0		1372.2	0.6604	83.5492	11.2183	1.9081	0.1509	0.2877	0.0459	0.0489	0.0129	0.0000	0.0000	0.0000	0.0000	0.5256	1.7745	0.0000	1.0781	0.0000	0.0000	0.0000	0.0000
09/16/2019 00:00	1093.3	0.0	1112.6	0.0		1371.5	0.6581	83.5406	11.0568	1.9279	0.1622	0.2808	0.0440	0.0475	0.0126	0.0000	0.0000	0.0000	0.0000	0.5038	1.7577	0.0000	1.0181	0.0000	0.0000	0.0000	0.0000
09/17/2019 00:00	1081.7	0.0	1100.7	0.0		1365.6	0.6497	84.2065	10.3867	1.7944	0.1216	0.2457	0.0380	0.0391	0.0101	0.0000	0.0000	0.0000	0.0000	0.5813	1.6977	0.0000	0.8789	0.0000	0.0000	0.0000	0.0000
09/18/2019 00:00	1088.2	0.0	1107.3	0.0		1369.3	0.6540	83.6015	11.0599	1.6413	0.2558	0.2449	0.0392	0.0428	0.0112	0.0000	0.0000	0.0000	0.0000	0.4919	1.7855	0.0000	0.8260	0.0000	0.0000	0.0000	0.0000
09/19/2019 00:00	1094.2	0.0	1113.4	0.0		1372.3	0.6583	82.8670	11.7503	1.7879	0.1351	0.2714	0.0450	0.0494	0.0133	0.0000	0.0000	0.0000	0.0000	0.4545	1.8657	0.0000	0.7606	0.0000	0.0000	0.0000	0.0000
09/20/2019 00:00	1101.5	0.0	1120.9	0.0		1375.2	0.6644	82.3852	11.9850	2.0163	0.1056	0.3355	0.0562	0.0620	0.0165	0.0000	0.0000	0.0000	0.0000	0.4058	1.9095	0.0000	0.9482	0.0000	0.0000	0.0000	0.0000
09/21/2019 00:00	1098.6	0.0	1117.9	0.0		1374.2	0.6617	82.4166	11.8530	1.9969	0.1019	0.3312	0.0545	0.0600	0.0161	0.0000	0.0000	0.0000	0.0000	0.4233	1.8730	0.0000	0.8736	0.0000	0.0000	0.0000	0.0000
09/22/2019 00:00	1097.9	0.0	1117.1	0.0		1374.1	0.6609	82.5177	11.8818	1.9128	0.1080	0.3234	0.0530	0.0597	0.0159	0.0000	0.0000	0.0000	0.0000	0.4120	1.8749	0.0000	0.8408	0.0000	0.0000	0.0000	0.0000
09/23/2019 00:00	1097.5	0.0	1116.8	0.0		1373.7	0.6609	82.6126	11.7500	1.9309	0.1429	0.3143	0.0508	0.0569	0.0149	0.0000	0.0000	0.0000	0.0000	0.4277	1.8938	0.0000	0.8052	0.0000	0.0000	0.0000	0.0000
09/24/2019 00:00	1104.1	0.0	1123.5	0.0		1376.5	0.6662	82.1365	12.1290	2.0932	0.1245	0.3414	0.0546	0.0609	0.0156	0.0000	0.0000	0.0000	0.0000	0.4099	1.9217	0.0000	0.9377	0.0000	0.0000	0.0000	0.0000
09/25/2019 00:00	1100.9	0.0	1120.2	0.0		1377.1	0.6617	82.7329	11.5534	1.9822	0.2838	0.3135	0.0492	0.0546	0.0142	0.0000	0.0000	0.0000	0.0000	0.4479	1.8135	0.0000	0.7548	0.0000	0.0000	0.0000	0.0000
09/26/2019 00:00	1101.6	0.0	1120.9	0.0		1377.8	0.6618	82.7649	11.5370	2.0356	0.2708	0.3093	0.0481	0.0530	0.0138	0.0000	0.0000	0.0000	0.0000	0.4943	1.7995	0.0000	0.6737	0.0000	0.0000	0.0000	0.0000
09/27/2019 00:00	1092.7	0.0	1111.9	0.0		1371.5	0.6573	83.1474	11.4696	1.7927	0.1205	0.2947	0.0466	0.0517	0.0138	0.0000	0.0000	0.0000	0.0000	0.5013	1.8577	0.0000	0.7041	0.0000	0.0000	0.0000	0.0000
09/28/2019 00:00	1095.5	0.0	1114.7	0.0		1373.2	0.6589	82.9842	11.6053	1.8377	0.1361	0.3023	0.0488	0.0536	0.0137	0.0000	0.0000	0.0000	0.0000	0.4751	1.8879	0.0000	0.6554	0.0000	0.0000	0.0000	0.0000
09/29/2019 00:00	1092.4	0.0	1111.6	0.0		1370.2	0.6581	83.0477	11.5842	1.7831	0.0839	0.2960	0.0472	0.0525	0.0136	0.0000	0.0000	0.0000	0.0000	0.4863	1.8986	0.0000	0.7934	0.0000	0.0000	0.0000	0.0000
09/30/2019 00:00	1091.5	0.0	1110.7	0.0		1368.5	0.6588	82.7398	11.5646	1.7900	0.1276	0.3121	0.0513	0.0570	0.0155	0.0000	0.0000	0.0000	0.0000	0.4753	1.8941	0.0000	0.9727	0.0000	0.0000	0.0000	0.0000
Flow Weighted Average:	1095.8	0.0	1115.1	0.0		0.6599	83.2663	11.3273	1.8694	0.1944	0.2964	0.0474	0.0520	0.0138	0.0000	0.0000	0.0000	0.0000	0.0000	0.5010	1.8217	0.0000	0.9007	0.0000	0.0000	0.0000	0.0000