

Cation Summary Report

No.	Name	Time min ECD_Total			Area µS*min ECD_Total		
		Chloride	Nitrate	Sulfate	Chloride	Nitrate	Sulfate
1	DI	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2	STD1	6.517	11.910	17.397	0.0467	0.0278	0.1108
3	STD2	6.521	11.917	17.414	0.3863	0.1743	1.1688
4	STD3	6.534	11.914	17.474	2.0929	0.8961	6.2970
5	STD4	6.547	11.911	17.484	3.5568	1.4689	10.8276
6	STD5	6.551	11.907	17.497	4.5747	1.8989	13.9191
7	DI	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
8	KING_GWW1_171101	6.527	11.987	17.580	0.3000	0.0576	4.5453
9	KING_GWW2_171101	6.527	12.001	17.594	0.2803	0.0515	4.6646
10	KING_GWW2Dup_171101	6.531	11.987	17.591	0.2797	0.0498	4.6623
11	KING_GWW3_171101	6.527	11.997	17.591	0.2840	0.0421	4.5649
12	KING_GWW4_171101	6.527	11.991	17.584	0.2992	0.0560	4.5625
13	KING_GWW5_171101	6.527	12.000	17.587	0.2806	0.0372	4.5176
14	KING_GWW6_171101	6.527	11.997	17.591	0.3445	0.0925	5.1786
15	KING_GWW7_171101	6.527	11.977	17.577	0.3024	0.0502	4.5525
16	KING_GWW8_171101	6.527	12.007	17.581	0.3285	0.0298	4.5504
17	STD2	6.524	11.924	17.414	0.3933	0.1759	1.1540
18	SH_LI_171030	6.664	11.941	17.631	38.7205	0.0355	21.2712
19	SH_ELS_USGS_171030	6.794	11.917	17.721	95.7593	0.0111	38.7429
20	SH_Kan_Out_171030	6.670	11.924	17.610	42.2891	0.1160	20.8377
21	SHVR_CWP_171030	6.747	n.a.	18.324	78.4048	n.a.	333.3242
22	SHVR_PLP_171030	6.694	12.280	18.187	54.6565	0.1509	255.8025
23	SHVR_BJP_171030	7.004	n.a.	18.431	251.4848	n.a.	473.5927
24	Smoky_Hill_Cedar_Bluff_Outflow_171030	6.717	12.024	18.284	64.9944	0.4570	306.6855
25	STD2	6.517	11.910	17.397	0.3959	0.1818	1.1597
26	DI	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Sum:		151.747	251.423	406.537	640.455	6.061	1526.692
Average:		6.598	11.973	17.676	27.846	0.289	66.378
Rel.Std.Dev:		1.875 %	0.682 %	1.750 %	204.395 %	176.425 %	202.245 %

No.	Name	Time min ECD_Total	Area µS*min ECD_Total	Rel.Area % ECD_Total	Height µS ECD_Total	Rel.Height % ECD_Total	Amount ECD_Total
		Nitrate	Nitrate	Nitrate	Nitrate	Nitrate	Nitrate
1	DI	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2	STD1	11.910	0.0278	15.01	0.09	15.27	0.4053
3	STD2	11.917	0.1743	9.72	0.55	10.79	1.9861
4	STD3	11.914	0.8961	9.59	2.88	10.21	9.7770
5	STD4	11.911	1.4689	9.20	4.78	9.98	15.9593
6	STD5	11.907	1.8989	9.25	6.13	10.04	20.6000
7	DI	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
8	KING_GWW1_171101	11.987	0.0576	1.13	0.16	1.24	0.7273
9	KING_GWW2_171101	12.001	0.0515	0.98	0.12	0.97	0.6615
10	KING_GWW2Dup_171101	11.987	0.0498	0.95	0.12	0.95	0.6427
11	KING_GWW3_171101	11.997	0.0421	0.82	0.11	0.86	0.5592
12	KING_GWW4_171101	11.991	0.0560	1.09	0.15	1.18	0.7099
13	KING_GWW5_171101	12.000	0.0372	0.73	0.10	0.78	0.5064
14	KING_GWW6_171101	11.997	0.0925	1.58	0.24	1.68	1.1031
15	KING_GWW7_171101	11.977	0.0502	0.98	0.13	1.06	0.6469
16	KING_GWW8_171101	12.007	0.0298	0.58	0.08	0.60	0.4272
17	STD2	11.924	0.1759	9.97	0.55	10.70	2.0032

18	SH_LI_171030	11.941	0.0355	0.06	0.11	0.04	0.4882
19	SH_ELS_USGS_171030	11.917	0.0111	0.01	0.03	0.01	0.2246
20	SH_Kan_Out_171030	11.924	0.1160	0.18	0.36	0.14	1.3574
21	SHVR_CWP_171030	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
22	SHVR_PLP_171030	12.280	0.1509	0.05	0.19	0.04	1.7339
23	SHVR_BJP_171030	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
24	Smoky_Hill_Cedar_Bluff_Outflow_1710	12.024	0.4570	0.12	0.40	0.07	5.0372
25	STD2	11.910	0.1818	10.40	0.57	10.93	2.0677
26	DI	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Sum:		251.423	6.061	82.401	17.843	87.528	67.624
Average:		11.973	0.289	3.924	0.850	4.168	3.220
Rel.Std.Dev:		0.682 %	176.425 %	124.280 %	195.309 %	123.960 %	170.666 %

No.	Name	Time min ECD_Total Sulfate	Area µS*min ECD_Total Sulfate	Rel.Area % ECD_Total Sulfate	Height µS ECD_Total Sulfate	Rel.Height % ECD_Total Sulfate	Amount ECD_Total Sulfate
1	DI	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2	STD1	17.397	0.1108	59.80	0.23	40.66	2.3585
3	STD2	17.414	1.1688	65.21	2.43	47.70	9.9156
4	STD3	17.474	6.2970	67.39	13.55	47.96	46.5432
5	STD4	17.484	10.8276	67.78	22.65	47.28	78.9026
6	STD5	17.497	13.9191	67.81	28.42	46.52	100.9831
7	DI	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
8	KING_GWW1_171101	17.580	4.5453	88.74	10.31	81.53	34.0320
9	KING_GWW2_171101	17.594	4.6646	88.76	10.59	82.64	34.8840
10	KING_GWW2Dup_171101	17.591	4.6623	88.84	10.60	82.75	34.8672
11	KING_GWW3_171101	17.591	4.5649	89.31	10.37	82.42	34.1716
12	KING_GWW4_171101	17.584	4.5625	88.66	10.35	81.31	34.1543
13	KING_GWW5_171101	17.587	4.5176	88.50	10.25	82.35	33.8339
14	KING_GWW6_171101	17.591	5.1786	88.73	11.79	81.63	38.5547
15	KING_GWW7_171101	17.577	4.5525	88.76	10.33	81.18	34.0830
16	KING_GWW8_171101	17.581	4.5504	88.68	10.33	81.01	34.0683
17	STD2	17.414	1.1540	65.41	2.45	47.43	9.8095
18	SH_LI_171030	17.631	21.2712	35.34	46.50	18.91	153.4948
19	SH_ELS_USGS_171030	17.721	38.7429	28.77	79.96	17.84	278.2849
20	SH_Kan_Out_171030	17.610	20.8377	32.87	44.98	17.39	150.3988
21	SHVR_CWP_171030	18.324	333.3242	80.42	337.61	50.91	2382.3041
22	SHVR_PLP_171030	18.187	255.8025	81.98	281.00	52.67	1828.6125
23	SHVR_BJP_171030	18.431	473.5927	64.91	401.68	38.60	3384.1589
24	Smoky_Hill_Cedar_Bluff_Outflow_1710	18.284	306.6855	81.38	319.68	52.49	2192.0395
25	STD2	17.397	1.1597	66.33	2.46	47.64	9.8500
26	DI	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Sum:		406.537	1526.692	1664.368	1678.534	1310.829	10940.305
Average:		17.676	66.378	72.364	72.980	56.993	475.665
Rel.Std.Dev:		1.750 %	202.245 %	26.204 %	172.111 %	39.864 %	201.579 %

Rel.Area % ECD_Total			Height µS ECD_Total			Rel.Height % ECD_Total		
Chloride	Nitrate	Sulfate	Chloride	Nitrate	Sulfate	Chloride	Nitrate	Sulfate
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
25.19	15.01	59.80	0.25	0.09	0.23	44.07	15.27	40.66
21.55	9.72	65.21	2.07	0.55	2.43	40.71	10.79	47.70
22.40	9.59	67.39	11.77	2.88	13.55	41.64	10.21	47.96
22.26	9.20	67.78	20.40	4.78	22.65	42.58	9.98	47.28
22.29	9.25	67.81	26.44	6.13	28.42	43.29	10.04	46.52
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
5.86	1.13	88.74	1.55	0.16	10.31	12.22	1.24	81.53
5.33	0.98	88.76	1.45	0.12	10.59	11.29	0.97	82.64
5.33	0.95	88.84	1.45	0.12	10.60	11.28	0.95	82.75
5.56	0.82	89.31	1.47	0.11	10.37	11.71	0.86	82.42
5.82	1.09	88.66	1.54	0.15	10.35	12.12	1.18	81.31
5.50	0.73	88.50	1.45	0.10	10.25	11.64	0.78	82.35
5.90	1.58	88.73	1.77	0.24	11.79	12.28	1.68	81.63
5.89	0.98	88.76	1.57	0.13	10.33	12.36	1.06	81.18
6.40	0.58	88.68	1.71	0.08	10.33	13.37	0.60	81.01
22.29	9.97	65.41	2.13	0.55	2.45	41.22	10.70	47.43
64.33	0.06	35.34	198.71	0.11	46.50	80.82	0.04	18.91
71.11	0.01	28.77	368.10	0.03	79.96	82.11	0.01	17.84
66.70	0.18	32.87	212.73	0.36	44.98	82.26	0.14	17.39
18.92	n.a.	80.42	320.32	n.a.	337.61	48.30	n.a.	50.91
17.52	0.05	81.98	250.33	0.19	281.00	46.92	0.04	52.67
34.47	n.a.	64.91	629.88	n.a.	401.68	60.52	n.a.	38.60
17.25	0.12	81.38	283.43	0.40	319.68	46.54	0.07	52.49
22.65	10.40	66.33	2.13	0.57	2.46	41.14	10.93	47.64
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
500.512	82.401	1664.368	2342.633	17.843	1678.534	850.402	87.528	1310.829
21.761	3.924	72.364	101.854	0.850	72.980	36.974	4.168	56.993
91.918 %	124.280 %	26.204 %	165.518 %	195.309 %	172.111 %	64.930 %	123.960 %	39.864 %

Amount		
ECD_Total		
Chloride	Nitrate	Sulfate
n.a.	n.a.	n.a.
0.5852	0.4053	2.3585
2.4231	1.9861	9.9156
11.6569	9.7770	46.5432
19.5776	15.9593	78.9026
25.0852	20.6000	100.9831
n.a.	n.a.	n.a.
1.9561	0.7273	34.0320
1.8495	0.6615	34.8840
1.8461	0.6427	34.8672
1.8692	0.5592	34.1716
1.9519	0.7099	34.1543
1.8510	0.5064	33.8339
2.1965	1.1031	38.5547
1.9688	0.6469	34.0830
2.1104	0.4272	34.0683
2.4610	2.0032	9.8095
209.8381	0.4882	153.4948
518.4579	0.2246	278.2849
229.1467	1.3574	150.3988
424.5581	n.a.	2382.3041
296.0631	1.7339	1828.6125
1361.0427	n.a.	3384.1589
351.9982	5.0372	2192.0395
2.4750	2.0677	9.8500
n.a.	n.a.	n.a.
3472.968	67.624	10940.305
150.999	3.220	475.665
203.944 %	170.666 %	201.579 %

