Table A-1

Summary of Bedrock Groundwater Chemistry at Round Mountain

		DW-FF1				DW-27				DW-30				DW-34				DW-36			
Constituent	**Units**	**Mean**	**Range**	**N**	**D**	**Mean**	**Range**	**N**	**D**	**Mean**	**Range**	**N**	**D**	**Mean**	**Range**	**N**	**D**	**Mean**	**Range**	**N**	**D**
Metals																					
Aluminum (d)	mg/L	ND	<0.01 – <0.05	14	0	ND	<0.02 – <0.05	11	0	NC	<0.05 – 1.3	13	1	NC	<0.05 – 0.01	13	2	0.0626	<0.03 – 0.279	10	9
Antimony (d)	mg/L	0.0020	<0.005 – 0.003	6	5	NC	<0.003 – 0.001	11	2	0.0010	<0.005 – 0.006	13	4	NC	<0.005 – 0.003	13	1	0.0075	0.0059 – 0.009	10	10
Arsenic (d)	mg/L	0.042	0.02 – 0.058	14	14	0.105	0.08 – 0.155	11	11	0.417	0.057 – 0.625	13	13	0.148	0.079 – 0.242	13	13	0.065	0.047 – 0.075	10	10
Barium (d)	mg/L	0.0065	<0.01 – 0.014	14	12	0.0078	0.005 – 0.011	11	11	0.0091	<0.01 – 0.015	13	12	0.0759	0.056 – 0.097	13	13	0.0376	0.022 – 0.044	10	10
Beryllium (d)	mg/L	ND	<0.0001 – <0.002	14	0	ND	<0.0001 – <0.002	11	0	ND	<0.001 – <0.002	13	0	ND	<0.001 – <0.002	13	0	ND	<0.001 – <0.002	10	0
Bismuth (d)	mg/L		–				–				–				–				–		
Boron (d)	mg/L	0.21	0.18 – 0.23	8	8	0.26	0.217 – 0.28	6	6	0.22	0.16 – 0.25	7	7	0.40	0.38 – 0.418	8	8	0.23	0.218 – 0.24	6	6
Cadmium (d)	mg/L	ND	<0.0001 – <0.002	14	0	ND	<0.0001 – <0.002	11	0	ND	<0.001 – <0.002	13	0	ND	<0.001 – <0.002	13	0	ND	<0.001 – <0.002	10	0
Calcium (d)	mg/L	29.18	26.2 – 32.8	14	14	44.86	41.2 – 53.1	11	11	17.22	8.65 – 54.4	13	13	20.14	17 – 27.6	13	13	2.97	2.38 – 4.07	10	10
Chromium (d)	mg/L	ND	<0.001 – <0.01	14	0	ND	<0.001 – <0.01	11	0	ND	<0.001 – <0.006	13	0	ND	<0.001 – <0.006	13	0	ND	<0.001 – <0.006	10	0
Cobalt (d)	mg/L		–				–				–				–				–		
Copper (d)	mg/L	ND	<0.003 – <0.01	14	0	ND	<0.003 – <0.01	11	0	ND	<0.003 – <0.01	13	0	NC	<0.01 – 0.009	13	2	ND	<0.003 – <0.01	10	0
Gallium (d)	mg/L		–				–				–				–				–		
Iron (d)	mg/L	NC	<0.06 – 0.052	14	2	0.0775	<0.06 – 0.323	11	5	0.0965	<0.06 – 0.306	13	7	0.0822	<0.06 – 0.164	13	9	0.0146	<0.06 – 0.09	10	3
Lead (d)	mg/L	ND	<0.0001 – <0.005	14	0	NC	<0.005 – 0.0001	11	1	ND	<0.001 – <0.005	13	0	NC	<0.005 – 0.001	13	1	ND	<0.001 – <0.005	10	0
Lithium (d)	mg/L		–				–				–				–				–		
Magnesium (d)	mg/L	1.83	1.61 – 1.98	14	14	5.95	5.33 – 7.2	11	11	4.23	<0.5 – 53	13	8	0.10	<0.5 – 0.256	13	8	NC	<0.5 – 0.82	10	1
Manganese (d)	mg/L	0.001	<0.05 – 0.0047	14	3	0.005	<0.05 – 0.018	11	6	0.007	<0.05 – 0.0154	13	8	0.011	<0.05 – 0.0189	13	10	0.002	<0.05 – 0.0059	10	4
Mercury (d)	mg/L	ND	<0.0002 – <0.0002	8	0	ND	<0.0002 – <0.0002	6	0	ND	<0.0002 – <0.0002	7	0	ND	<0.0002 – <0.0002	8	0	ND	<0.0002 – <0.0002	6	0
Molybdenu (d)m	mg/L		–				–				–				–				–		
Nickel (d)	mg/L	ND	<0.005 – <0.01	14	0	ND	<0.005 – <0.01	11	0	ND	<0.005 – <0.01	13	0	ND	<0.005 – <0.01	13	0	ND	<0.005 – <0.01	10	0
Potassium (d)	mg/L	3.10	2.9 – 3.64	14	14	3.63	2.9 – 5.55	11	11	6.47	1.13 – 69.4	13	13	1.69	1.4 – 3.04	13	13	1.10	<1 – 4.38	10	7
Scandium (d)	mg/L		–				–				–				–				–		
Selenium (d)	mg/L	ND	<0.001 – <0.01	14	0	ND	<0.001 – <0.01	11	0	ND	<0.003 – <0.01	13	0	ND	<0.003 – <0.01	13	0	0.0140	<0.01 – 0.0992	10	3
Silver (d)	mg/L	ND	<0.001 – <0.005	14	0	ND	<0.001 – <0.005	11	0	ND	<0.001 – <0.005	13	0	ND	<0.001 – <0.005	13	0	ND	<0.001 – <0.005	10	0
Sodium (d)	mg/L	66	60 – 75.5	14	14	42	37.9 – 48.6	11	11	74	66.7 – 110	13	13	71	66.8 – 77.8	13	13	97	93 – 103	10	10
Strontium (d)	mg/L		–				–				–				–				–		
Thallium (d)	mg/L		–				–				–				–				–		
Tin (d)	mg/L		–				–				–				–				–		
Titanium (d)	mg/L		–				–				–				–				–		
Zinc (d)	mg/L	0.008	<0.05 – 0.032	14	5	0.072	<0.05 – 0.277	11	4	ND	<0.005 – <0.05	13	0	0.0636	<0.05 – 0.213	13	11	ND	<0.005 – <0.05	10	0
Alkalinity (HCO3) (t)	mg/L	113	97 – 126	14	14	116	101 – 130	11	11	100	47 – 274	13	13	102	100 – 104	13	13	119	108 – 136	10	10
Alkalinity (total)	mg/L	103	97 – 106	14	14	105	101 – 109	11	11	90	45 – 229	13	13	111	101 – 124	13	13	121	118 – 129	10	10
pH	s.u.	7.60	6.67 – 7.99	14	14	7.63	6.8 – 8.01	11	11	7.93	6.62 – 8.41	13	13	7.79	6.7 – 8.31	13	13	8.54	7.6 – 8.77	10	10
Sulfate (t)	mg/L	77.4	67 – 90	14	14	80.4	75.2 – 90	11	11	62.4	55.9 – 69.1	13	13	63.5	58.8 – 73.3	13	13	42.8	39.5 – 45	10	10
TDS (d)	mg/L	303	263 – 350	14	14	301	277 – 340	11	11	344	198 – 1624	13	13	262	226 – 298	13	13	278	251 – 338	10	10
Chloride (t)	mg/L	23.9	19.3 – 29	14	14	26.8	22.3 – 34	11	11	30.6	20.5 – 49.5	13	13	21.5	18.3 – 28	13	13	10.6	8 – 11.9	10	10
Fluoride (t)	mg/L	4.2	3.71 – 4.64	14	14	1.0	0.9 – 1.2	11	11	1.3	0.92 – 1.65	13	13	4.2	2.11 – 6.02	13	13	18.7	18.1 – 19.6	10	10
Nitrate-N (t)	mg/L	1.2667	0.875 – 1.61	13	13	0.0248	<0.05 – 0.063	11	5	ND	<0.05 – <0.05	12	0	ND	<0.05 – <0.05	11	0	ND	<0.05 – <0.05	9	0
Nitrite-N (d)	mg/L	ND	<0.01 – <0.05	8	0	ND	<0.01 – <0.05	6	0	ND	<0.05 – <0.05	7	0	ND	<0.05 – <0.05	8	0	ND	<0.05 – <0.05	6	0
NO2+NO3 as N (d)	mg/L	1.1523	0.888 – 1.51	8	8	NC	<0.02 – 0.06	6	2	ND	<0.02 – <0.02	7	0	ND	<0.02 – <0.02	8	0	NC	<0.02 – 0.04	6	1
WAD Cyanide (d)	mg/L	ND	<0.01 – <0.01	8	0	ND	<0.01 – <0.01	6	0	ND	<0.01 – <0.01	7	0	ND	<0.01 – <0.01	8	0	NC	<0.01 – 0.019	6	1
Phosphorous (d)	mg/L		–				–				–				–				–		
pH Field	s.u.	7.58	6.94 – 7.98	14	14	7.52	6.9 – 8.48	15	15	8.19	7.21 – 8.94	12	12	7.74	7.13 – 8.22	13	13	8.27	7.54 – 8.83	9	9
Specific Conductance	uS	420	366 – 506	7	7	348	46 – 468	4	4	378	336 – 454	9	9	411	343 – 456	10	10	460	401 – 530	7	7

Table A-1 (Continued)

Constituent	Units	DW-38				DW-41				DW-42				DW-43				DW-44			
		Mean	Range	N	D	Mean	Range	N	D	Mean	Range	N	D	Mean	Range	N	D	Mean	Range	N	D
Aluminum (d)	mg/L	0.0155	<0.05 – 0.086	13	4	NC	<0.05 – 0.01	10	2	ND	<0.01 – <0.03	7	0	0.0165	<0.03 – 0.061	8	3	NC	<0.03 – 0.12	6	1
Antimony (d)	mg/L	0.0048	<0.001 – 0.011	13	12	0.0026	<0.005 – 0.006	10	6	ND	<0.003 – <0.005	7	0	NC	<0.005 – 0.003	8	2	NC	<0.005 – 0.003	6	1
Arsenic (d)	mg/L	0.151	0.04 – 0.199	13	13	0.070	<0.005 – 0.102	10	8	0.214	0.109 – 0.635	7	7	0.219	0.171 – 0.255	8	8	0.053	0.027 – 0.083	6	6
Barium (d)	mg/L	0.0190	0.0094 – 0.059	13	13	0.0095	<0.005 – 0.042	10	6	0.0068	0.0052 – 0.0109	7	7	0.0173	0.0099 – 0.03	8	8	0.0073	<0.005 – 0.018	6	5
Beryllium (d)	mg/L	ND	<0.001 – <0.002	13	0	ND	<0.001 – <0.002	10	0	ND	<0.001 – <0.002	7	0	ND	<0.001 – <0.002	8	0	ND	<0.001 – <0.002	6	0
Bismuth (d)	mg/L		–				–				–				–				–		
Boron (d)	mg/L	0.23	0.22 – 0.247	8	8	0.23	0.209 – 0.26	6	6	0.26	0.25 – 0.283	6	6	0.25	0.24 – 0.27	5	5	0.26	0.218 – 0.28	4	4
Cadmium (d)	mg/L	ND	<0.001 – <0.002	13	0	ND	<0.001 – <0.002	10	0	ND	<0.001 – <0.002	7	0	ND	<0.001 – <0.002	8	0	ND	<0.001 – <0.002	6	0
Calcium (d)	mg/L	19.36	15.2 – 30.4	13	13	14.70	11.9 – 17.9	10	10	35.90	32 – 40.7	7	7	35.80	34.4 – 38.6	8	8	42.50	25 – 48.3	6	6
Chromium (d)	mg/L	NC	<0.006 – 0.001	13	2	ND	<0.001 – <0.006	10	0	ND	<0.001 – <0.006	7	0	ND	<0.001 – <0.006	8	0	ND	<0.001 – <0.006	6	0
Cobalt (d)	mg/L		–				–				–				–				–		
Copper (d)	mg/L	0.0015	<0.01 – 0.007	13	3	0.0031	<0.01 – 0.011	10	4	ND	<0.003 – <0.01	7	0	ND	<0.003 – <0.01	8	0	NC	<0.01 – 0.014	6	1
Gallium (d)	mg/L		–				–				–				–				–		
Iron (d)	mg/L	0.0512	<0.05 – 0.086	13	12	0.2486	<0.06 – 0.78	10	6	0.4393	0.182 – 1.28	7	7	0.2656	0.181 – 0.386	8	8	0.1785	0.029 – 0.393	6	6
Lead (d)	mg/L	ND	<0.001 – <0.005	13	0	NC	<0.005 – 0.002	10	2	ND	<0.001 – <0.005	7	0	ND	<0.001 – <0.005	8	0	ND	<0.001 – <0.005	6	0
Lithium (d)	mg/L		–				–				–				–				–		
Magnesium (d)	mg/L	0.59	<0.5 – 2.22	13	11	0.32	<0.5 – 1.19	10	8	3.96	3.18 – 4.95	7	7	4.27	4.15 – 4.55	8	8	5.78	1.43 – 7.02	6	6
Manganese (d)	mg/L	0.015	<0.05 – 0.041	13	9	0.003	<0.05 – 0.0154	10	4	0.217	0.149 – 0.374	7	7	0.077	0.0507 – 0.103	8	8	0.158	<0.002 – 0.268	6	5
Mercury (d)	mg/L	ND	<0.0002 – <0.0002	8	0	ND	<0.0002 – <0.0002	6	0	ND	<0.0002 – <0.0002	6	0	ND	<0.0002 – <0.0002	5	0	ND	<0.0002 – <0.0002	4	0
Molybdenu (d)m	mg/L		–				–				–				–				–		
Nickel (d)	mg/L	ND	<0.005 – <0.01	13	0	ND	<0.005 – <0.01	10	0	NC	<0.01 – 0.01	7	1	ND	<0.005 – <0.01	8	0	NC	<0.01 – 0.012	6	2
Potassium (d)	mg/L	2.29	1.7 – 3.96	13	13	2.58	2.26 – 3.18	10	10	3.17	2.9 – 3.56	7	7	3.37	3.22 – 3.65	8	8	3.28	2.9 – 3.86	6	6
Scandium (d)	mg/L		–				–				–				–				–		
Selenium (d)	mg/L	0.0035	<0.01 – 0.021	13	3	0.0035	<0.01 – 0.0064	10	6	ND	<0.003 – <0.01	7	0	ND	<0.003 – <0.01	8	0	ND	<0.003 – <0.01	6	0
Silver (d)	mg/L	ND	<0.001 – <0.005	13	0	ND	<0.001 – <0.005	10	0	ND	<0.001 – <0.005	7	0	ND	<0.001 – <0.005	8	0	ND	<0.001 – <0.005	6	0
Sodium (d)	mg/L	85	79 – 94.5	13	13	81	76.8 – 88.8	10	10	44	39.6 – 47.7	7	7	41	37.7 – 47.7	8	8	49	42.8 – 68.3	6	6
Strontium (d)	mg/L		–				–				–				–				–		
Thallium (d)	mg/L		–				–				–				–				–		
Tin (d)	mg/L		–				–				–				–				–		
Titanium (d)	mg/L		–				–				–				–				–		
Zinc (d)	mg/L	NC	<0.05 – 0.0065	13	2	NC	<0.05 – 0.025	10	2	0.0246	<0.005 – 0.073	7	4	ND	<0.005 – <0.05	8	0	NC	<0.05 – 0.0113	6	2
Alkalinity (HCO3) (t)	mg/L	104	93.2 – 121	13	13	100	89.8 – 117	10	10	106	102 – 111	7	7	114	99.8 – 137	8	8	113	100 – 133	6	6
Alkalinity (total)	mg/L	97	92.2 – 105	13	13	92	89.8 – 95.9	10	10	110	102 – 126	7	7	106	99.8 – 113	8	8	105	100 – 109	6	6
pH	s.u.	7.84	6.59 – 8.51	13	13	7.86	6.73 – 8.29	10	10	7.52	6.72 – 7.88	7	7	7.56	6.46 – 8.35	8	8	7.54	6.52 – 8.06	6	6
Sulfate (t)	mg/L	95.2	73.8 – 149	13	13	66.4	62.3 – 69.1	10	10	66.3	59.5 – 72.4	7	7	60.6	56.3 – 67.4	8	8	98.6	94.9 – 103	6	6
TDS (d)	mg/L	311	247 – 401	13	13	310	267 – 362	10	10	283	270 – 293	7	7	260	235 – 290	8	8	324	288 – 364	6	6
Chloride (t)	mg/L	24.2	19.8 – 28.3	13	13	21.2	18.2 – 25	10	10	21.1	18.2 – 25.2	7	7	19.7	18.5 – 21.2	8	8	30.7	26.9 – 38.8	6	6
Fluoride (t)	mg/L	5.0	3.67 – 5.96	13	13	9.3	8.97 – 9.76	10	10	1.7	1.51 – 1.76	7	7	2.0	1.86 – 2.13	8	8	1.4	1.14 – 1.95	6	6
Nitrate-N (t)	mg/L	ND	<0.05 – <0.05	12	0	0.6653	0.44 – 1.19	8	8	ND	<0.05 – <0.05	6	0	ND	<0.05 – <0.05	7	0	0.0656	<0.05 – 0.157	5	3
Nitrite-N (d)	mg/L	ND	<0.05 – <0.05	8	0	ND	<0.05 – <0.05	6	0	ND	<0.05 – <0.05	6	0	ND	<0.05 – <0.05	5	0	ND	<0.05 – <0.05	4	0
NO2+NO3 as N (d)	mg/L	ND	<0.02 – <0.02	8	0	0.4833	0.39 – 0.55	6	6	ND	<0.02 – <0.02	6	0	NC	<0.02 – 0.02	5	1	NC	<0.02 – 0.04	4	2
WAD Cyanide (d)	mg/L	ND	<0.01 – <0.01	8	0	ND	<0.01 – <0.01	6	0	ND	<0.01 – <0.01	6	0	ND	<0.01 – <0.01	5	0	ND	<0.01 – <0.01	4	0
Phosphorous (d)	mg/L		–				–				–				–				–		
pH Field	s.u.	7.69	7.32 – 8.11	11	11	7.93	6.97 – 8.35	10	10	7.37	6.76 – 7.6	5	5	7.49	6.69 – 8.51	7	7	7.53	7.06 – 8.64	6	6
Specific Conductance	uS	480	403 – 515	8	8	408	352 – 487	8	8	389	365 – 442	4	4	377	346 – 447	5	5	480	421 – 524	5	5

Table A-1 (Continued)

		DW-46				DW-47				DW-48				DW-49				DW-50			
Constituent	**Units**	**Mean**	**Range**	**N**	**D**	**Mean**	**Range**	**N**	**D**	**Mean**	**Range**	**N**	**D**	**Mean**	**Range**	**N**	**D**	**Mean**	**Range**	**N**	**D**
Aluminum (d)	mg/L	ND	<0.01 – <0.05	7	0	ND	<0.01 – <0.03	9	0	0.029	<0.03 – 0.065	7	4	0.022	<0.03 – 0.099	9	5	NC	<0.03 – 0.039	5	1
Antimony (d)	mg/L	0.0104	0.004 – 0.021	7	7	0.0299	0.02 – 0.0351	9	9	0.0070	0.0061 – 0.0074	7	7	0.0060	<0.005 – 0.016	9	8	NC	<0.005 – 0.005	5	1
Arsenic (d)	mg/L	0.133	0.072 – 0.182	7	7	0.096	0.08 – 0.128	9	9	0.051	0.043 – 0.0598	7	7	0.029	0.02 – 0.042	9	9	0.059	0.031 – 0.0945	5	5
Barium (d)	mg/L	0.0737	0.06 – 0.084	7	7	0.1038	0.1 – 0.114	9	9	0.0683	0.023 – 0.0867	7	7	0.0156	<0.01 – 0.0211	9	8	0.0123	0.0084 – 0.027	5	5
Beryllium (d)	mg/L	ND	<0.001 – <0.002	7	0	ND	<0.001 – <0.002	9	0	ND	<0.001 – <0.002	7	0	ND	<0.001 – <0.002	9	0	NC	<0.002 – 0.001	5	1
Bismuth (d)	mg/L		–				–				–			ND	<0.02 – <0.02	1	0		–		
Boron (d)	mg/L	0.26	0.248 – 0.268	5	5	0.26	0.25 – 0.268	7	7	0.24	0.23 – 0.25	4	4	0.23	0.22 – 0.24	6	6	0.29	0.288 – 0.29	3	3
Cadmium (d)	mg/L	ND	<0.001 – <0.002	7	0	ND	<0.001 – <0.002	9	0	ND	<0.001 – <0.002	7	0	ND	<0.001 – <0.002	9	0	NC	<0.002 – 0.001	5	1
Calcium (d)	mg/L	16.37	13.5 – 20.2	7	7	13.07	12.4 – 14.7	9	9	4.91	4.34 – 5.82	7	7	3.60	3.03 – 4.23	9	9	39.36	38.8 – 39.9	5	5
Chromium (d)	mg/L	ND	<0.001 – <0.006	7	0	ND	<0.001 – <0.006	9	0	ND	<0.001 – <0.006	7	0	ND	<0.001 – <0.006	9	0	NC	<0.001 – 0.001	2	1
Cobalt (d)	mg/L		–				–				–			ND	<0.006 – <0.006	1	0		–		
Copper (d)	mg/L	NC	<0.01 – 0.005	7	1	ND	<0.003 – <0.01	9	0	NC	<0.01 – 0.005	7	2	ND	<0.006 – <0.006	1	0	NC	<0.01 – 0.005	5	1
Gallium (d)	mg/L		–				–				–			ND	<0.02 – <0.02	1	0		–		
Iron (d)	mg/L	0.1674	0.069 – 0.34	7	7	0.1017	<0.06 – 0.302	9	7	NC	<0.06 – 0.071	7	1	19.1	18.4 – 20.2	9	9	0.2322	0.16 – 0.483	5	5
Lead (d)	mg/L	ND	<0.001 – <0.005	7	0	ND	<0.001 – <0.005	9	0	0.00803	<0.005 – 0.0206	7	4	ND	<0.02 – <0.06	9	0	NC	<0.005 – 0.001	5	1
Lithium (d)	mg/L		–				–				–			NC	0.281 – 0.281	1	1		–		
Magnesium (d)	mg/L	2.27	1.75 – 3.06	7	7	2.14	2.06 – 2.23	9	9	NC	<0.5 – 1.65	7	1	NC	<0.005 – 0.002	9	1	5.66	5.52 – 5.85	5	5
Manganese (d)	mg/L	0.019	<0.05 – 0.0277	7	6	0.016	0.01 – 0.0235	9	9	0.009	0.0041 – 0.0168	7	7	0.127	<0.5 – 0.94	9	3	0.072	0.01 – 0.117	5	5
Mercury (d)	mg/L	ND	<0.0002 – <0.0002	5	0	ND	<0.0002 – <0.0002	7	0	ND	<0.0002 – <0.0002	4	0	ND	<0.0002 – <0.0002	6	0	ND	<0.0002 – <0.0002	3	0
Molybdenu (d)m	mg/L		–				–				–			NC	0.0178 – 0.0178	1	1		–		
Nickel (d)	mg/L	ND	<0.005 – <0.01	7	0	ND	<0.005 – <0.01	9	0	NC	<0.01 – 0.017	7	2	ND	<0.005 – <0.01	9	0	NC	<0.01 – 0.005	5	2
Potassium (d)	mg/L	3.21	2.99 – 3.6	7	7	3.71	3.54 – 4.15	9	9	2.17	0.87 – 7.98	7	7	1.68	1.4 – 2.14	9	9	3.08	2.88 – 3.24	5	5
Scandium (d)	mg/L		–				–				–			ND	<0.002 – <0.002	1	0		–		
Selenium (d)	mg/L	ND	<0.003 – <0.01	7	0	ND	<0.003 – <0.01	9	0	NC	<0.005 – 0.0115	7	1	NC	<0.01 – 0.0353	9	2	0.0061	<0.005 – 0.021	5	4
Silver (d)	mg/L	ND	<0.001 – <0.005	7	0	ND	<0.001 – <0.005	9	0	ND	<0.001 – <0.005	7	0	ND	<0.001 – <0.005	9	0	NC	<0.005 – 0.001	5	1
Sodium (d)	mg/L	60	46.3 – 65.7	7	7	71	69.3 – 72.6	9	9	94	90.1 – 99.3	7	7	98	93.1 – 102	9	9	44	43.4 – 45.2	5	5
Strontium (d)	mg/L		–				–				–			NC	0.0933 – 0.0933	1	1		–		
Thallium (d)	mg/L		–				–				–				–				–		
Tin (d)	mg/L		–				–				–			ND	<0.05 – <0.05	1	0		–		
Titanium (d)	mg/L		–				–				–			ND	<0.005 – <0.005	1	0		–		
Zinc (d)	mg/L	0.8053	<0.05 – 2.74	7	4	ND	<0.005 – <0.05	9	0	NC	<0.05 – 0.026	7	2	ND	<0.005 – <0.05	9	0	0.0184	<0.05 – 0.05	5	4
Alkalinity (HCO3) (t)	mg/L	116	111 – 119	7	7	125	119 – 143	9	9	121	112 – 136	7	7	119	112 – 131	9	9	111	101 – 125	5	5
Alkalinity (total)	mg/L	123	115 – 139	7	7	120	117 – 123	9	9	113	112 – 118	7	7	122	118 – 128	9	9	102	101 – 103	5	5
pH	s.u.	7.73	6.99 – 8.36	7	7	7.42	6.49 – 8.07	9	9	8.04	7.12 – 8.52	7	7	8.50	7.57 – 8.91	9	9	7.41	6.57 – 8.25	5	5
Sulfate (t)	mg/L	45.9	39.8 – 52.8	7	7	50.8	48 – 53.8	9	9	46.3	43.5 – 49.5	7	7	42.6	39.4 – 44.1	9	9	78.5	71.3 – 87.3	5	5
TDS (d)	mg/L	231	210 – 263	7	7	254	236 – 281	9	9	346	255 – 642	7	7	298	270 – 324	9	9	278	252 – 295	5	5
Chloride (t)	mg/L	10.0	8.9 – 12.5	7	7	11.9	11.3 – 12.8	9	9	11.4	10.3 – 14.5	7	7	10.1	9.5 – 10.3	9	9	21.1	19.8 – 22.5	5	5
Fluoride (t)	mg/L	5.9	4.94 – 6.19	7	7	7.0	6.7 – 7.34	9	9	19.2	19 – 19.6	7	7	NC	<0.01 – 0.01	9	1	2.7	1.81 – 3.4	5	5
Nitrate-N (t)	mg/L	ND	<0.05 – <0.05	6	0	NC	<0.05 – 0.067	7	2	ND	<0.05 – <0.05	4	0	ND	<0.05 – <0.05	7	0	ND	<0.05 – <0.05	3	0
Nitrite-N (d)	mg/L	ND	<0.05 – <0.05	5	0	ND	<0.05 – <0.05	7	0	ND	<0.05 – <0.05	4	0	ND	<0.05 – <0.05	6	0	ND	<0.05 – <0.05	3	0
NO2+NO3 as N (d)	mg/L	ND	<0.02 – <0.02	5	0	NC	<0.02 – 0.03	7	2	ND	<0.02 – <0.02	4	0	ND	<0.02 – <0.02	6	0	ND	<0.02 – <0.02	3	0
WAD Cyanide (d)	mg/L	ND	<0.01 – <0.01	5	0	ND	<0.01 – <0.01	7	0	ND	<0.01 – <0.01	4	0	ND	<0.01 – <0.01	6	0	ND	<0.01 – <0.01	3	0
Phosphorous (d)	mg/L		–				–				–			ND	<0.05 – <0.05	1	0		–		
pH Field	s.u.	7.64	6.96 – 8.6	7	7	7.97	7.69 – 8.96	8	8	7.79	7.35 – 8.07	7	7	8.33	7.39 – 9.11	10	10	7.85	7.27 – 8.45	6	6
Specific Conductance	uS	363	323 – 394	6	6	309	7.03 – 524	10	10	338	2.31 – 423	7	7	418	384 – 507	9	9	395	390 – 400	4	4

Notes: N= Number of Samples D= Number of Detects Blank cells for Samples and Detects indicate no samples analyzed for this parameter NC for Mean indicates no mean was calculated because there were fewer than 3 detects.
Calculated means include non-detects at half the detection limit: ND for Mean indicates zero detects MCLs are Nevada primary and secondary standards and are based on Federal drinking water standards d: Dissolved t: Total.

Table A-2

Summary of Alluvial Groundwater Quality at Round Mountain

		BMW-1				BMW-3				DMW-2				DW-26				DW-28			
Constituent	**Units**	**Mean**	**Range**	**N**	**D**	**Mean**	**Range**	**N**	**D**	**Mean**	**Range**	**N**	**D**	**Mean**	**Range**	**N**	**D**	**Mean**	**Range**	**N**	**D**
Aluminum (d)	mg/L	ND	<0.02 – <0.05	15	0	ND	<0.02 – <0.05	15	0	NC	<0.03 – 0.022	6	1	ND	<0.01 – <0.05	14	0	NC	<0.05 – 0.011	16	1
Antimony (d)	mg/L	NC	<0.005 – 0.003	15	1	ND	<0.001 – <0.005	15	0	0.0056	<0.006 – 0.01	7	5	0.0010	<0.005 – 0.003	14	6	0.0013	<0.005 – 0.003	16	8
Arsenic (d)	mg/L	0.008	<0.025 – 0.017	37	30	0.004	<0.025 – 0.0062	37	28	0.062	0.05 – 0.078	15	15	0.042	0.02 – 0.058	14	14	0.053	0.03 – 0.066	16	16
Barium (d)	mg/L	0.0271	0.02 – 0.0528	15	15	0.0399	0.03 – 0.0444	15	15	0.0036	0.003 – 0.004	7	7	0.0065	<0.01 – 0.014	14	12	0.0079	<0.01 – 0.023	16	15
Beryllium (d)	mg/L	ND	<0.0005 – <0.005	15	0	ND	<0.0005 – <0.005	15	0	ND	<0.0005 – <0.002	6	0	ND	<0.0001 – <0.002	14	0	ND	<0.0001 – <0.002	16	0
Bismuth (d)	mg/L	0.057	<0.1 – 0.108	34	29	ND	<0.1 – <0.1	2	0		–				–				–		
Boron (d)	mg/L	ND	<0.0005 – <0.005	15	0	0.04	<0.1 – 0.062	34	27	0.20	0.17 – 0.22	7	7	0.21	0.18 – 0.23	8	8	0.22	0.191 – 0.24	10	10
Cadmium (d)	mg/L	ND	<0.0005 – <0.005	15	0	ND	<0.0005 – <0.005	15	0	ND	<0.0005 – <0.002	6	0	ND	<0.0001 – <0.002	14	0	ND	<0.0001 – <0.002	16	0
Calcium (d)	mg/L	34.75	29.4 – 56.4	15	15	25.31	24 – 27.3	15	15	6.65	5.65 – 8.1	7	7	29.18	26.2 – 32.8	14	14	22.49	18.4 – 25.4	16	16
Chromium (d)	mg/L	ND	<0.006 – <0.01	15	0	ND	<0.006 – <0.01	15	0	ND	<0.006 – <0.01	6	0	ND	<0.001 – <0.01	14	0	NC	<0.01 – 0.002	16	1
Cobalt (d)	mg/L		–			ND	<0.01 – <0.01	2	0		–				–				–		
Copper (d)	mg/L	ND	<0.003 – <0.01	15	0	ND	<0.003 – <0.01	15	0	NC	<0.01 – 0.01	7	1	ND	<0.003 – <0.01	14	0	ND	<0.003 – <0.01	16	0
Gallium (d)	mg/L		–			ND	<0.1 – <0.1	2	0		–				–				–		
Iron (d)	mg/L	0.0020	<0.1 – 0.01	15	3	0.0067	<0.1 – 0.03	15	6	0.1739	0.04 – 0.417	7	7	NC	<0.06 – 0.052	14	2	0.0278	<0.06 – 0.132	16	5
Lead (d)	mg/L	NC	<0.005 – 0.001	15	1	NC	<0.005 – 0.002	15	2	NC	<0.005 – 0.004	6	1	ND	<0.0001 – <0.005	14	0	NC	<0.005 – 0.001	16	1
Lithium (d)	mg/L		–			ND	<0.02 – <0.02	2	0		–				–				–		
Magnesium (d)	mg/L	3.42	2.66 – 5.5	34	34	6.16	5.62 – 6.85	34	34	0.58	0.44 – 0.8	7	7	1.83	1.61 – 1.98	14	14	0.96	0.69 – 1.57	16	16
Manganese (d)	mg/L	ND	<0.002 – <0.005	15	0	ND	<0.002 – <0.005	15	0	0.007	0.0057 – 0.0085	7	7	0.001	<0.05 – 0.0047	14	3	0.002	<0.05 – 0.005	16	6
Mercury (d)	mg/L	ND	<0.0002 – <0.0002	14	0	ND	<0.0002 – <0.0002	14	0	ND	<0.0002 – <0.0002	6	0	ND	<0.0002 – <0.0002	8	0	ND	<0.0002 – <0.0002	10	0
Molybdenu (d)m	mg/L		–			ND	<0.01 – <0.01	2	0		–				–				–		
Nickel (d)	mg/L	ND	<0.01 – <0.04	15	0	ND	<0.01 – <0.04	15	0	ND	<0.01 – <0.01	6	0	ND	<0.005 – <0.01	14	0	ND	<0.005 – <0.01	16	0
Potassium (d)	mg/L	0.81	<2 – 1.46	15	11	1.13	<2 – 1.6	15	14	ND	<0.1 – <0.1	1	0	3.10	2.9 – 3.64	14	14	2.93	2.6 – 3.38	16	16
Scandium (d)	mg/L		–			ND	<0.1 – <0.1	2	0		–				–				–		
Selenium (d)	mg/L	NC	<0.01 – 0.002	15	2	ND	<0.001 – <0.01	15	0	NC	<0.01 – 0.05	7	1	ND	<0.001 – <0.01	14	0	0.0008	<0.01 – 0.011	16	3
Silver (d)	mg/L	ND	<0.005 – <0.01	15	0	ND	<0.005 – <0.01	15	0	ND	<0.005 – <0.005	6	0	ND	<0.001 – <0.005	14	0	ND	<0.001 – <0.005	16	0
Sodium (d)	mg/L	13	10.2 – 18.3	15	15	13	12.1 – 14.1	15	15	92	87.7 – 97.2	7	7	66	60 – 75.5	14	14	77	64.9 – 86.3	16	16
Strontium (d)	mg/L		–			NC	0.19 – 0.19	2	2		–				–				–		
Thallium (d)	mg/L		–				–				–				–				–		
Tin (d)	mg/L		–			ND	<0.1 – <0.1	2	0		–				–				–		
Titanium (d)	mg/L		–			ND	<0.005 – <0.005	2	0		–				–				–		
Zinc (d)	mg/L	0.005	<0.1 – 0.034	14	4	NC	<0.1 – 0.01	15	1	0.124	0.021 – 0.649	9	9	0.008	<0.05 – 0.032	14	5	0.024	<0.05 – 0.142	16	7
Alkalinity (HCO3) (t)	mg/L	92	72 – 122	15	15	95	90 – 102	15	15	126	121 – 136	7	7	103	97 – 106	14	14	105	93 – 121	16	16
Alkalinity (total)	mg/L	92	72 – 122	15	15	95	90 – 102	15	15	129	122 – 136	7	7	113	97 – 126	14	14	97	93 – 102	17	17
pH	s.u.	7.75	6.64 – 8.2	37	37	8.01	6.69 – 8.4	37	37	8.41	8.3 – 8.6	15	15	7.60	6.67 – 7.99	14	14	7.60	6.59 – 8.14	17	17
Sulfate (t)	mg/L	31.3	19.2 – 59.3	34	34	21.7	18 – 30	34	34	44.5	40 – 50	7	7	77.4	67 – 90	14	14	75.7	69 – 90	16	16
TDS (d)	mg/L	161	109 – 249	37	37	137	114 – 153	37	37	300	273 – 321	15	15	303	263 – 350	14	14	309	274 – 350	16	16
Chloride (t)	mg/L	6.0	2.42 – 13.1	34	34	3.2	1.69 – 21	34	34	10.1	8 – 13	7	7	23.9	19.3 – 29	14	14	25.2	20.9 – 30	16	16
Fluoride (t)	mg/L	0.04	<0.1 – 0.2	37	13	0.1	<0.1 – 0.3	37	24	18.9	17.8 – 20	15	15	4.2	3.71 – 4.64	14	14	6.3	5.13 – 7	16	16
Nitrate-N (t)	mg/L	0.2440	0.17 – 0.433	15	15	0.2282	0.09 – 1.54	15	15	NC	<0.05 – 0.08	7	1	1.2667	0.875 – 1.61	13	13	1.3947	1.13 – 1.75	15	15
Nitrite-N (d)	mg/L	NC	<0.1 – 0.02	15	1	NC	<0.1 – 0.01	15	2	ND	<0.01 – <0.05	6	0	ND	<0.01 – <0.05	8	0	NC	1.2 – 1.2	1	1
NO2+NO3 as N (d)	mg/L	0.2345	0.15 – 0.428	15	15	0.1214	0.06 – 0.26	15	15	NC	<0.02 – 0.08	7	1	1.1523	0.888 – 1.51	8	8	1.3950	1.16 – 1.75	10	10
WAD Cyanide (d)	mg/L	ND	<0.01 – <0.02	15	0	ND	<0.01 – <0.02	15	0	ND	<0.01 – <0.01	14	0	ND	<0.01 – <0.01	8	0	ND	<0.01 – <0.01	10	0
Phosphorous (d)	mg/L		–			NC	0.01 – 0.01	2	2	3.26	3.15 – 3.3	7	7		–				–		
pH Field	s.u.	7.72	6.64 – 8.51	35	35	7.77	6.56 – 8.56	34	34	8.16	6.9 – 9.43	19	19	7.58	6.94 – 7.98	14	14	7.62	7.1 – 8.06	16	16
Specific Conductance	uS	244	18.3 – 429	37	37	215	209 – 218	3	3	433	340 – 490	21	21	420	366 – 506	7	7	492	389 – 666	11	11

Table A-2 (Continued)

Constituent	Units	DW-31				DW-32				DW-39				DW-40				GMW-1			
		Mean	Range	N	D	Mean	Range	N	D	Mean	Range	N	D	Mean	Range	N	D	Mean	Range	N	D
Aluminum (d)	mg/L	NC	<0.05 – 0.023	12	1	NC	<0.05 – 0.284	13	1	NC	<0.05 – 0.069	6	2	0.0095	<0.03 – 0.051	13	4	ND	<0.02 – <0.03	7	0
Antimony (d)	mg/L	0.0045	0.003 – 0.006	12	12	0.0021	<0.005 – 0.006	13	8	0.0032	<0.006 – 0.009	6	4	0.0028	<0.005 – 0.009	13	7	NC	<0.003 – 0.003	16	2
Arsenic (d)	mg/L	0.102	0.04 – 0.122	12	12	0.067	0.036 – 0.08	13	13	0.079	0.051 – 0.091	6	6	0.089	0.04 – 0.113	13	13	0.028	0.02 – 0.037	16	16
Barium (d)	mg/L	0.0025	<0.01 – 0.01	12	6	0.0023	<0.01 – 0.012	13	8	0.0115	<0.005 – 0.042	6	5	0.0010	<0.01 – 0.0029	13	5	0.0139	0.01 – 0.015	16	16
Beryllium (d)	mg/L	ND	<0.001 – <0.002	12	0	NC	<0.002 – 0.009	13	1	ND	<0.001 – <0.002	6	0	ND	<0.001 – <0.002	13	0	ND	<0.0005 – <0.002	7	0
Bismuth (d)	mg/L		–				–				–				–				–		
Boron (d)	mg/L	0.23	0.206 – 0.24	7	7	0.22	0.189 – 0.24	7	7	0.22	0.21 – 0.24	4	4	0.22	0.2 – 0.25	9	9	0.19	0.17 – 0.21	16	16
Cadmium (d)	mg/L	ND	<0.001 – <0.002	12	0	ND	<0.001 – <0.002	13	0	ND	<0.001 – <0.002	6	0	ND	<0.001 – <0.002	13	0	ND	<0.0005 – <0.002	7	0
Calcium (d)	mg/L	13.08	10.9 – 16.7	12	12	15.82	13.2 – 22.2	13	13	13.30	11.9 – 14.6	6	6	13.26	11 – 17.2	13	13	20.29	19.2 – 22.3	16	16
Chromium (d)	mg/L	ND	<0.001 – <0.006	12	0	ND	<0.001 – <0.006	13	0	ND	<0.001 – <0.006	6	0	ND	<0.001 – <0.006	13	0	ND	<0.006 – <0.01	7	0
Cobalt (d)	mg/L		–				–				–				–				–		
Copper (d)	mg/L	NC	<0.01 – 0.005	12	1	0.0012	<0.01 – 0.005	13	3	NC	<0.01 – 0.005	6	1	ND	<0.005 – <0.005	4	0	NC	<0.01 – 0.0038	15	1
Gallium (d)	mg/L		–				–				–				–				–		
Iron (d)	mg/L	0.1228	<0.06 – 0.294	12	8	0.2352	<0.06 – 1.42	13	6	0.0827	<0.06 – 0.172	6	5	0.2579	<0.06 – 1.56	13	6	NC	<0.06 – 0.01	15	2
Lead (d)	mg/L	0.00042	<0.005 – 0.003	12	3	NC	<0.005 – 0.002	13	1	NC	<0.005 – 0.002	6	1	ND	<0.001 – <0.005	13	0	0.00040	<0.005 – 0.002	15	4
Lithium (d)	mg/L		–				–				–				–			0.028	0.02 – 0.03	8	8
Magnesium (d)	mg/L	0.54	<0.5 – 2.89	12	9	0.07	<0.5 – 0.141	13	7	0.34	<0.5 – 0.96	6	5	0.22	<0.5 – 1.09	13	11	2.46	2.29 – 2.7	16	16
Manganese (d)	mg/L	0.001	<0.05 – 0.0069	12	3	0.004	<0.05 – 0.0401	13	4	0.004	<0.05 – 0.0087	6	4	0.005	<0.05 – 0.0275	13	6	0.005	<0.005 – 0.008	15	13
Mercury (d)	mg/L	ND	<0.0002 – <0.0002	7	0	ND	<0.0002 – <0.0002	7	0	ND	<0.0002 – <0.0002	4	0	ND	<0.0002 – <0.0002	9	0	ND	<0.0002 – <0.0002	7	0
Molybdenu (d)m	mg/L		–				–				–				–				–		
Nickel (d)	mg/L	NC	<0.01 – 0.013	12	2	ND	<0.005 – <0.01	13	0	ND	<0.005 – <0.01	6	0	ND	<0.005 – <0.01	13	0	ND	<0.01 – <0.01	7	0
Potassium (d)	mg/L	2.69	2.06 – 4.78	12	12	2.35	1.13 – 2.8	13	13	2.86	2.29 – 4.88	6	6	2.26	2.11 – 2.51	13	13	6.07	5.6 – 7.1	16	16
Scandium (d)	mg/L		–				–				–				–				–		
Selenium (d)	mg/L	ND	<0.003 – <0.01	12	0	0.0009	<0.01 – 0.0041	13	3	ND	<0.003 – <0.01	6	0	ND	<0.003 – <0.01	13	0	ND	<0.001 – <0.01	7	0
Silver (d)	mg/L	ND	<0.001 – <0.005	12	0	ND	<0.001 – <0.005	13	0	ND	<0.001 – <0.005	6	0	ND	<0.001 – <0.005	13	0	ND	<0.005 – <0.005	15	0
Sodium (d)	mg/L	78	68.6 – 89.8	12	12	80	66.7 – 89.2	13	13	77	73.6 – 82.1	6	6	77	73.9 – 84.8	13	13	38	35.6 – 46.6	16	16
Strontium (d)	mg/L		–				–				–				–			0.073	0.06 – 0.08	8	8
Thallium (d)	mg/L		–				–				–				–				–		
Tin (d)	mg/L		–				–				–				–				–		
Titanium (d)	mg/L		–				–				–				–				–		
Zinc (d)	mg/L	0.4100	<0.05 – 1.96	12	4	0.0265	<0.05 – 0.251	13	3	0.0304	<0.05 – 0.143	6	3	0.0026	<0.05 – 0.013	13	3	0.0035	<0.01 – 0.022	15	3
Alkalinity (HCO3) (t)	mg/L	103	86.6 – 123	12	12	102	91.1 – 116	13	13	96	93.5 – 97.2	6	6	99	92.9 – 112	13	13	84	81 – 87.5	16	16
Alkalinity (total)	mg/L	94	86.6 – 101	12	12	93	90.7 – 95.8	13	13	102	93.5 – 114	6	6	94	92 – 96.1	13	13	84	81 – 87.5	16	16
pH	s.u.	7.72	6.74 – 8.33	12	12	7.84	6.38 – 8.23	13	13	8.03	6.97 – 8.49	6	6	7.87	6.81 – 8.46	13	13	7.94	6.95 – 8.21	15	15
Sulfate (t)	mg/L	56.9	51 – 73.9	12	12	69.7	62.3 – 74.1	13	13	55.1	52.8 – 59.3	6	6	56.4	52.9 – 59.3	13	13	51.9	50 – 53.6	16	16
TDS (d)	mg/L	277	214 – 394	12	12	291	260 – 307	13	13	279	266 – 289	6	6	276	257 – 313	13	13	228	198 – 245	15	15
Chloride (t)	mg/L	17.0	14.6 – 24	12	12	22.5	19.9 – 27	13	13	17.5	15 – 20	6	6	16.7	15.5 – 18	13	13	8.5	7.8 – 9	8	8
Fluoride (t)	mg/L	11.6	11 – 12.9	12	12	8.8	8.08 – 9.7	13	13	11.4	10.9 – 11.9	6	6	11.8	11.1 – 13.6	13	13	0.8	0.65 – 1	15	15
Nitrate-N (t)	mg/L	0.3856	0.11 – 1.28	11	11	0.8055	0.624 – 1.61	11	11	0.2532	<0.05 – 0.39	5	4	0.2039	0.13 – 0.243	11	11	0.1755	0.06 – 0.226	14	14
Nitrite-N (d)	mg/L	ND	<0.05 – <0.05	7	0	ND	<0.05 – <0.05	7	0	ND	<0.05 – <0.05	4	0	NC	<0.05 – 0.108	9	2	NC	<0.05 – 0.02	15	1
NO2+NO3 as N (d)	mg/L	0.1304	0.1 – 0.23	7	7	0.7350	0.63 – 0.88	7	7	0.2940	0.22 – 0.47	4	4	0.1891	0.17 – 0.22	9	9	0.1866	0.15 – 0.21	16	16
WAD Cyanide (d)	mg/L	ND	<0.01 – <0.01	7	0	ND	<0.01 – <0.01	7	0	ND	<0.01 – <0.01	4	0	ND	<0.01 – <0.01	9	0	ND	<0.01 – <0.01	13	0
Phosphorous (d)	mg/L		–				–				–				–				–		
pH Field	s.u.	7.64	7.05 – 8.02	9	9	7.86	7.01 – 8.18	11	11	7.95	6.96 – 8.46	6	6	8.01	6.98 – 8.68	13	13	7.82	6.33 – 8.32	13	13
Specific Conductance	uS	380	335 – 451	7	7	424	383 – 503	9	9	409	373 – 467	5	5	398	335 – 475	11	11	271	31.3 – 340	15	15

Table A-3

Summary of Bedrock Groundwater Quality at Gold Hill

Metals		GHB-03-1				GHB-03-2				GHB-03-3				GHB-03-4				GHB-BPW			
Constituent	Units	Mean	Range	N	D	Mean	Range	N	D	Mean	Range	N	D	Mean	Range	N	D	Mean	Range	N	D
Aluminum (d)	mg/L	0.030	<0.02 – <0.05	17	3	ND	<0.02 – <0.05	16	0	ND	<0.02 – <0.05	16	0	NC	<0.02 – 0.061	17	1	NC	<0.02 – 0.402	3	2
Antimony (d)	mg/L	0.011	0.003 – <0.025	17	16	0.004	<0.003 – 0.008	16	12	0.055	0.041 – 0.0611	16	16	0.030	0.011 – 0.196	17	16	0.015	0.0079 – 0.0189	3	3
Arsenic (d)	mg/L	0.070	<0.005 – 0.096	17	16	0.177	0.14 – 0.291	16	16	0.208	0.193 – 0.262	16	16	0.052	0.0415 – 0.0649	17	16	0.067	0.053 – 0.077	3	3
Barium (d)	mg/L	0.016	0.0113 – 0.058	17	17	0.040	0.025 – 0.0514	16	16	0.022	0.0178 – 0.051	16	16	0.037	0.0288 – 0.049	17	16	0.014	0.0124 – 0.0158	3	3
Beryllium (d)	mg/L	ND	<0.001 – <0.002	17	0	ND	<0.001 – <0.002	16	0	ND	<0.001 – <0.002	16	0	ND	<0.001 – <0.002	17	0	ND	<0.002	3	0
Bismuth (d)	mg/L	ND	<0.02	4	0	ND	<0.02	4	0	ND	<0.02	4	0	ND	<0.02	4	0	ND	<0.02	3	0
Boron (d)	mg/L	0.374	0.335 – 0.395	15	15	0.443	0.416 – 0.497	15	15	0.395	0.376 – 0.422	15	15	0.562	0.529 – 0.602	15	15	0.369	0.347 – 0.384	3	3
Cadmium (d)	mg/L	ND	<0.001 – <0.002	17	0	ND	<0.001 – <0.002	16	0	ND	<0.001 – <0.002	16	0	ND	<0.001 – <0.002	17	0	ND	<0.002	3	0
Calcium (d)	mg/L	4.28	3.87 – 5.28	8	8	52.44	48.6 – 54.4	7	7	39.20	35.3 – 44	7	7	56.97	51.7 – 61.6	8	7	4.12	3.8 – 4.3	3	3
Chromium (d)	mg/L	ND	<0.001 – <0.006	17	0	ND	<0.001 – <0.006	16	0	ND	<0.001 – <0.006	16	0	ND	<0.001 – <0.006	17	0	ND	<0.006	3	0
Cobalt (d)	mg/L	ND	<0.006	4	0	NC	<0.006 – 0.0069	4	1	ND	<0.006	4	0	ND	<0.006	4	0	ND	<0.006	3	0
Copper (d)	mg/L	NC	<0.003 – <0.01	17	2	ND	<0.003 – <0.01	16	0	ND	<0.003 – <0.01	16	0	NC	<0.003 – <0.01	17	1	NC	<0.003 – 0.0031	3	1
Gallium (d)	mg/L	ND	<0.02	4	0	ND	<0.02	4	0	ND	<0.02	4	0	ND	<0.02	4	0	ND	<0.02	3	0
Iron (d)	mg/L	NC	<0.02 – 0.062	17	1	0.077	<0.02 – 0.115	16	14	0.115	<0.02 – 0.152	16	14	0.437	<0.05 – 0.513	17	15	NC	<0.02 – 0.141	3	2
Lead (d)	mg/L	NC	<0.001 – <0.008	17	1	ND	<0.001 – <0.0075	16	0	ND	<0.001 – <0.0075	16	0	ND	<0.001 – <0.0075	17	0	ND	<0.005	3	0
Lithium (d)	mg/L	0.462	0.443 – 0.478	4	4	0.037	0.0331 – 0.0415	4	4	0.036	0.0334 – 0.0389	4	4	0.062	0.0574 – 0.0644	4	4	0.462	0.436 – 0.49	3	3
Magnesium (d)	mg/L	0.27	0.176 – <0.5	8	6	7.51	6.99 – 8.07	7	7	5.09	4.5 – 6.27	7	7	10.67	9.78 – 11.6	8	7	0.23	0.143 – 0.397	3	3
Manganese (d)	mg/L	0.02	0.0093 – <0.05	17	15	0.17	<0.05 – 0.429	16	15	0.14	0.087 – 0.157	16	16	0.20	0.148 – 0.226	17	16	0.02	0.0103 – 0.0234	3	3
Mercury (d)	mg/L	ND	<0.0002	15	0	ND	<0.0002	15	0	0.0002	<0.0002 – 0.00035	15	3	ND	<0.0002	15	0	ND	<0.0002	3	0
Molybdenum (d)	mg/L	0.015	0.0141 – 0.0161	4	4	0.015	0.014 – 0.0149	4	4	0.034	0.0316 – 0.0373	4	4	1.300	1.08 – 1.69	4	4	0.015	0.0136 – 0.0154	3	3
Nickel (d)	mg/L	ND	<0.005 – <0.01	8	0	NC	<0.005 – 0.016	7	1	ND	<0.005 – <0.01	7	0	ND	<0.005 – <0.01	8	0	ND	<0.01	3	0
Potassium (d)	mg/L	1.78	1.4 – 2.64	8	8	1.76	1.7 – 1.8	7	7	1.83	1.7 – 1.9	7	7	2.36	2.2 – 2.59	8	7	1.60	1.60	3	3
Scandium (d)	mg/L	ND	<0.002	4	0	ND	<0.002	4	0	ND	<0.002	4	0	ND	<0.002	4	0	ND	<0.002	3	0
Selenium (d)	mg/L	NC	<0.005 – <0.04	17	1	ND	<0.005 – <0.04	16	0	ND	<0.005 – <0.04	16	0	ND	<0.005 – <0.04	17	0	ND	<0.01	3	0
Silver (d)	mg/L	ND	<0.001 – <0.005	17	0	ND	<0.001 – <0.005	16	0	ND	<0.001 – <0.005	16	0	ND	<0.001 – <0.005	17	0	ND	<0.005	3	0
Sodium (d)	mg/L	144.0	140 – 148	8	8	77.3	70.4 – 80.6	7	7	64.0	58 – 66.6	7	7	96.4	89.3 – 102	8	7	147.3	146 – 149	3	3
Strontium (d)	mg/L	0.088	0.0831 – 0.0923	4	4	0.429	0.408 – 0.454	4	4	0.337	0.319 – 0.353	4	4	0.473	0.441 – 0.508	4	4	0.100	0.0796 – 0.112	3	3
Thallium (d)	mg/L	ND	<0.001 – <0.002	17	0	ND	<0.001 – <0.002	16	0	ND	<0.001 – <0.002	16	0	ND	<0.001 – <0.002	17	0	ND	<0.002	3	0
Tin (d)	mg/L	ND	<0.05	4	0	ND	<0.05	4	0	ND	<0.05	4	0	ND	<0.05	4	0	ND	<0.05	3	0
Titanium (d)	mg/L	ND	<0.005	4	0	ND	<0.005	4	0	ND	<0.005	4	0	ND	<0.005	4	0	ND	<0.005	3	0
Vanadium (d)	mg/L	ND	<0.005	4	0	ND	<0.005	4	0	ND	<0.005	4	0	ND	<0.005	4	0	ND	<0.005	3	0
Zinc (d)	mg/L	ND	<0.005 – <0.05	17	0	0.011	<0.005 – <0.05	16	3	NC	<0.005 – <0.05	16	2	0.012	<0.005 – <0.05	17	7	NC	<0.005 – 0.0132	3	1

Table A-3 (Continued)

Constituent	Units	GHB-03-1				GHB-03-2				GHB-03-3				GHB-03-4				GHB-BPW			
		Mean	Range	N	D	Mean	Range	N	D	Mean	Range	N	D	Mean	Range	N	D	Mean	Range	N	D
Alkalinity (t)	mg/L	273	253 – 289	8	8	158	146 – 163	7	7	158	155 – 162	7	7	177	169 – 185	7	7	282	281 – 283	3	3
pH	s.u.	8.2	7.68 – 8.47	16	16	7.1	6.65 – 8.07	16	16	7.2	6.72 – 8.22	16	16	7.1	6.63 – 8.28	16	16	7.7	7.33 – 8.47	3	3
Sulfate (t)	mg/L	37.5	35.9 – 40.6	16	16	130.9	125 – 143	16	16	69.2	64.8 – 75	16	16	160.4	136 – 194	16	16	39.8	38.2 – 40.9	3	3
TDS (t)	mg/L	378	349 – 402	17	17	422	365 – 453	16	16	324	285 – 350	16	16	476	427 – 537	16	16	399	376 – 413	3	3
Bicarbonate as $CaCO_3$ (t)	mg/L	282	260 – 311	7	7	163	157 – 179	7	7	163	155 – 191	7	7	183	174 – 207	7	7	273	272 – 275	3	3
Carbonate as $CaCO_3$ (t)	mg/L	6	<4.3 – <9.7	7	5	ND	<1	6	0	ND	<1	6	0	ND	<1	6	0	9	5.2 – 11.8	3	3
Hydroxide, $CaCO_3$ (t)	mg/L	ND	<1	6	0	ND	<1	6	0	ND	<1	6	0	ND	<1	6	0	NC	<1 – 40.3	3	1
Chloride (t)	mg/L	18.8	17.5 – 20	17	17	38.7	35.9 – 41.1	16	16	33.3	31.3 – 35.2	16	16	40.9	37.8 – 44.3	16	16	18.7	18.6 – 18.9	3	3
Fluoride (t)	mg/L	7.8	7.14 – 8.29	17	17	0.7	0.607 – 0.77	16	16	0.8	0.659 – 0.806	16	16	1.0	0.879 – 1.12	16	16	8.0	7.74 – 8.22	3	3
Nitrate-N (t)	mg/L	ND	<0.05	17	0	0.410	0.296 – 0.779	16	16	NC	<0.05 – 0.279	16	1	ND	<0.05	16	0	ND	<0.05	3	0
Nitrite-N (t)	mg/L	ND	<0.05	15	0	ND	<0.05	15	0	ND	<0.05	15	0	ND	<0.05	15	0	ND	<0.05	3	0
NO_2+NO_3-N (t)	mg/L	NC	<0.02 – 0.03	15	2	0.422	0.28 – 0.83	15	15	ND	<0.02	15	0	NC	<0.02 – 0.09	15	1	ND	<0.02	3	0
Cyanide-WAD (t)	mg/L	NC	<0.01 – 0.042	15	1	ND	<0.01	15	0	ND	<0.01	15	0	ND	<0.01	15	0	ND	<0.01	3	0
Phosphorus (t)	mg/L	NC	<0.05 – 0.077	4	1	ND	<0.05	4	0	NC	<0.05 – 0.055	4	1	ND	<0.05	4	0	NC	<0.05 – 0.241	3	1
pH Field	s.u.	8	7.18 – 8.49	14	14	7	6.91 – 8.35	12	12	7	7.23 – 8.39	13	13	7	6.8 – 8.42	12	12	8	8.23 – 8.3	3	3
Electrical Conductivity	uS/cm	516	5.54 – 739	14	14	673	624 – 781	12	12	523	475 – 618	13	13	756	680 – 925	12	12	601	552 – 639	3	3
Temperature	^{o}F	96.5	90 – 103.6	5	5	64.8	56.5 – 69.5	3	3	68.0	59.7 – 73.5	3	3	62.3	53.8 – 69.2	3	3	101.9	98.1 – 104.7	3	3
Flow Rate	gpm	46.3	26.7 – 150	13	13	16.3	14.5 – 25	12	12	18.6	17.2 – 25	13	13	13.6	11.4 – 25	12	12		0.0		

Notes: N= Number of Samples D= Number of Detects Blank cells for Samples and Detects indicates zero ND for Mean indicates too few detects to generate a reliable mean MCLs are Nevada primary and secondary standards
NC for Mean indicates no mean was calculated because there were fewer than 3 detects. d= Dissolved t= Total.

Table A-4

Summary of Alluvial Groundwater Quality at Gold Hill

Metals		GHA-03-1				GHA-03-2				GHA-03-3				GHA-03-4				GHA-03-5				GHA-03-6			
Constituent	Units	Mean	Range	N	D	Mean	Range	N	D	Mean	Range	N	D	Mean	Range	N	D	Mean	Range	N	D	Mean	Range	N	D
Aluminum (d)	mg/L	0.072	<0.03 – 0.209	15	9	0.209	0.082 – 0.529	15	15	NC	<0.02 – 0.12	16	2	NC	<0.02 – 0.051	15	1	0.031	<0.02 – 0.102	16	3	0.085	<0.02 – 0.935	16	3
Antimony (d)	mg/L	0.006	<0.003 – 0.011	15	12	0.009	0.0069 – 0.012	15	15	NC	<0.001 – 0.005	16	1	NC	0.001 – <0.005	15	1	NC	0.001 – <0.006	16	1	NC	0.001 – <0.006	16	1
Arsenic (d)	mg/L	0.095	0.068 – 0.108	15	15	0.230	0.072 – 0.296	15	15	0.024	<0.019 – 0.028	16	6	0.019	0.009 – <0.025	15	4	0.032	0.0261 – 0.0412	16	16	0.022	0.005 – <0.025	16	7
Barium (d)	mg/L	0.009	0.007 – 0.018	15	15	0.006	0.0038 – 0.016	15	15	0.023	0.0195 – 0.031	16	16	0.026	0.0219 – 0.062	15	16	0.019	0.0124 – 0.045	16	16	0.180	0.135 – 0.267	16	16
Beryllium (d)	mg/L	ND	<0.001 – <0.002	15	0	ND	<0.001 – <0.002	15	0	NC	<0.001 – 0.0022	16	1	ND	<0.001 – <0.002	15	0	ND	<0.001 – <0.002	16	0	ND	<0.001 – <0.002	16	0
Bismuth (d)	mg/L	ND	<0.02	4	0	ND	<0.02	4	0	ND	<0.02	4	0	ND	<0.02	4	0	ND	<0.02	4	0	ND	<0.02	4	0
Boron (d)	mg/L	0.418	0.368 – 0.458	14	14	0.425	0.321 – 0.49	14	14	0.186	0.16 – 0.205	15	15	0.085	0.072 – 0.1	14	15	0.299	0.284 – 0.32	15	15	0.096	0.07 – 0.136	15	15
Cadmium (d)	mg/L	ND	<0.001 – <0.002	15	0	ND	<0.001 – <0.002	15	0	NC	<0.001 – 0.0026	16	1	ND	<0.001 – <0.002	15	0	ND	<0.001 – <0.002	16	0	ND	<0.001 – <0.002	16	0
Calcium (d)	mg/L	4.40	4.14 – 4.84	7	7	13.77	7.51 – 31.1	7	7	14.13	11.5 – 15.9	6	6	14.91	14 – 15.7	7	7	28.96	26.7 – 30.6	7	7	74.10	17.7 – 98.1	7	7
Chromium (d)	mg/L	NC	<0.001 – <0.006	15	1	ND	<0.001 – <0.006	15	0	ND	<0.001 – <0.006	16	0	ND	<0.001 – <0.006	15	0	ND	<0.001 – <0.006	16	0	ND	<0.001 – <0.006	16	0
Cobalt (d)	mg/L	ND	<0.006	4	0	ND	<0.006	4	0	ND	<0.006	4	0	ND	<0.006	4	0	ND	<0.006	4	0	NC	<0.006 – 0.0077	4	1
Copper (d)	mg/L	NC	<0.003 – <0.01	15	1	NC	<0.003 – <0.01	15	2	0.010	<0.003 – 0.023	16	7	ND	<0.003 – <0.01	15	0	NC	<0.003 – <0.01	16	1	NC	<0.003 – <0.01	16	1
Gallium (d)	mg/L	ND	<0.02	4	0	ND	<0.02	4	0	ND	<0.02	4	0	ND	<0.02	4	0	ND	<0.02	4	0	ND	<0.02	4	0
Iron (d)	mg/L	0.073	0.044 – 0.132	15	8	0.050	<0.02 – 0.1	15	5	0.049	<0.02 – <0.06	16	3	ND	<0.02 – <0.06	15	0	NC	<0.02 – 0.06	16	1	12.482	0.37 – 19.5	16	16
Lead (d)	mg/L	ND	<0.001 – <0.0075	15	0	ND	<0.001 – <0.0075	15	0	ND	<0.001 – <0.0075	16	0	ND	<0.001 – <0.0075	15	0	ND	<0.001 – <0.0075	16	0	ND	<0.001 – <0.0075	16	0
Lithium (d)	mg/L	0.152	0.134 – 0.164	4	4	0.337	0.223 – 0.401	4	4	0.010	0.0072 – 0.0155	4	4	0.008	0.0071 – 0.0094	4	4	0.044	0.0407 – 0.0468	4	4	0.009	0.0065 – 0.0113	4	4
Magnesium (d)	mg/L	0.51	0.231 – 1.81	7	7	NC	<0.04 – 0.59	7	1	1.40	1.26 – 1.49	6	6	1.88	1.78 – 2	7	7	1.96	1.77 – 2.3	7	7	13.30	3.91 – 17.1	7	7
Manganese (d)	mg/L	0.02	0.0094 – <0.05	15	14	0.01	<0.002 – <0.05	15	3	0.01	<0.004 – <0.05	16	8	NC	<0.002 – <0.05	15	2	NC	<0.002 – <0.05	16	1	3.84	<0.05 – 6.21	16	15
Mercury (d)	mg/L	0.0003	<0.0002 – 0.00057	14	7	ND	<0.0002	14	0	ND	<0.0002	15	0	ND	<0.0002	14	0	ND	<0.0002	15	0	ND	<0.0002	15	0
Molybdenum (d)	mg/L	0.021	0.0192 – 0.0232	4	4	0.019	0.016 – 0.0237	4	4	NC	<0.008 – 0.0099	4	2	ND	<0.008	4	0	0.010	0.0092 – 0.0103	4	4	0.016	0.011 – 0.0266	4	4
Nickel (d)	mg/L	ND	<0.005 – <0.01	7	0	ND	<0.005 – <0.01	7	0	NC	<0.005 – 0.011	6	1	NC	<0.005 – <0.01	7	1	ND	<0.005 – <0.01	7	0	0.016	<0.005 – 0.021	7	6
Potassium (d)	mg/L	NC	<1 – 1.79	7	1	2.94	2.3 – 5.17	7	7	1.62	1.44 – 1.8	6	6	1.05	<1 – 1.1	7	5	1.98	1.9 – 2.1	7	7	2.43	1.81 – 2.8	7	7
Scandium (d)	mg/L	ND	<0.002	4	0	ND	<0.002	4	0	ND	<0.002	4	0	ND	<0.002	4	0	ND	<0.002	4	0	ND	<0.002	4	0
Selenium (d)	mg/L	ND	<0.005 – <0.04	15	0	NC	<0.005 – <0.04	15	1	ND	<0.005 – <0.04	16	0	ND	<0.005 – <0.04	15	0	ND	<0.005 – <0.04	16	0	ND	<0.005 – <0.04	16	0
Silver (d)	mg/L	ND	<0.001 – <0.005	15	0	ND	<0.001 – <0.005	15	0	ND	<0.001 – <0.005	16	0	ND	<0.001 – <0.005	15	0	ND	<0.001 – <0.005	16	0	ND	<0.001 – <0.005	16	0
Sodium (d)	mg/L	101.4	98.8 – 107	7	7	136.0	125 – 148	7	7	35.6	30 – 41.6	6	6	19.2	17.5 – 20	7	7	54.1	47 – 57.3	7	7	90.7	31.5 – 118	7	7
Strontium (d)	mg/L	0.028	0.0266 – 0.0289	4	4	0.157	0.12 – 0.219	4	4	0.155	0.139 – 0.173	4	4	0.148	0.14 – 0.156	4	4	0.239	0.226 – 0.248	4	4	0.637	0.536 – 0.796	4	4
Thallium (d)	mg/L	ND	<0.001 – <0.002	15	0	ND	<0.001 – <0.002	15	0	ND	<0.001 – <0.002	16	0	ND	<0.001 – <0.002	15	0	ND	<0.001 – <0.002	16	0	ND	<0.001 – <0.002	16	0
Tin (d)	mg/L	ND	<0.05	4	0	ND	<0.05	4	0	ND	<0.05	4	0	ND	<0.05	4	0	ND	<0.05	4	0	ND	<0.05	4	0
Titanium (d)	mg/L	ND	<0.005	4	0	ND	<0.005	4	0	ND	<0.005	4	0	ND	<0.005	4	0	ND	<0.005	4	0	ND	<0.005	4	0
Vanadium (d)	mg/L	0.016	0.0153 – 0.0172	4	4	0.093	0.0662 – 0.136	4	4	0.008	0.0057 – 0.0094	4	4	0.006	0.0055 – 0.0064	4	4	0.006	0.0053 – 0.0061	4	4	ND	<0.005	4	0
Zinc (d)	mg/L	0.012	<0.005 – 0.05	15	4	NC	<0.005 – <0.05	15	1	0.012	<0.005 – <0.05	16	4	NC	<0.005 – <0.05	15	1	0.012	<0.005 – <0.05	16	4	0.026	0.015 – <0.05	16	15

Table A-4 (Continued)

Constituent	Units	GHA-03-1				GHA-03-2				GHA-03-3				GHA-03-4				GHA-03-5				GHA-03-6			
		Mean	Range	N	D	Mean	Range	N	D	Mean	Range	N	D	Mean	Range	N	D	Mean	Range	N	D	Mean	Range	N	D
Alkalinity (t)	mg/L	181	166 – 195	7	7	281	264 – 310	7	7	107	102 – 111	6	6	77	73.4 – 79.1	7	7	132	123 – 137	7	7	446	94.2 – 627	7	7
pH	s.u.	8.0	7.6119 – 8.32	15	15	10.0	9.612 – 11.3	15	15	7.1	6.5219 – 8.33	16	16	7.0	6.57 – 7.95	15	15	7.3	6.86 – 8.16	15	14	6.9	6.46 – 7.47	14	14
Sulfate (t)	mg/L	34.8	32.6 – 39.1	14	14	38.3	33 – 57.9	15	15	12.1	10.8 – 16.9	16	16	10.4	9.79 – 13	15	15	44.3	40 – 46.4	15	16	4.8	2.4 – 17.2	16	16
TDS (t)	mg/L	317	272 – 373	15	15	406	213 – 544	15	15	147	117 – 172	16	16	117	65 – 152	16	16	245	214 – 276	16	16	428	251 – 678	16	16
Bicarbonate as $CaCO_3$ (t)	mg/L	186	166 – 202	6	6	NC	<1 – 103	7	2	111	106 – 124	6	6	79	75.4 – 89.6	6	6	136	129 – 150	6	7	449	115 – 627	7	7
Carbonate as $CaCO_3$ (t)	mg/L	NC	<1 – 3.4	5	2	190	109 – 247	7	7	ND	<1 – <5	6	0	ND	<1	5	0	ND	<1	5	0	ND	<1	6	0
Hydroxide, $CaCO_3$ (t)	mg/L	ND	<1	6	0	75	<1 – 154	6	5	ND	<1	5	0	ND	<1	6	0	ND	<1	6	0	ND	<1	6	0
Chloride (t)	mg/L	16.1	15.1 – 17.3	15	15	16.2	14.5 – 23	15	15	5.9	5.41 – 6.3	16	16	5.1	4.81 – 5.5	16	16	22.9	21.1 – 25.5	16	16	8.1	5.52 – 13	16	16
Fluoride (t)	mg/L	5.0	4.56 – 5.5	15	15	9.5	6.34 – 10.2	15	15	0.3	0.262 – 0.42	16	16	0.2	0.15 – 0.256	16	16	0.6	0.548 – 0.698	16	16	1.8	0.16 – 11.3	16	16
Nitrate-N (t)	mg/L	0.138	0.107 – 0.217	15	15	NC	<0.05 – 0.588	15	2	0.080	<0.05 – 0.103	16	15	0.192	0.124 – 0.224	16	16	0.618	0.534 – 0.658	16	6	0.056	<0.05 – 0.079	16	6
Nitrite-N (t)	mg/L	ND	<0.05	14	0	ND	<0.05	14	0	ND	<0.05	15	0	ND	<0.05	15	0	ND	<0.05	15	0	ND	<0.05	15	0
NO_2+NO_3-N (t)	mg/L	0.109	0.09 – 0.2	14	14	ND	<0.02	14	0	0.045	<0.02 – 0.06	15	14	0.182	0.17 – 0.2	15	15	0.669	0.63 – 0.712	15	5	0.025	<0.02 – 0.08	15	5
Cyanide-WAD (t)	mg/L	ND	<0.01	14	0	ND	<0.01	14	0	ND	<0.01	15	0	ND	<0.01	15	0	NC	<0.01	15	1	NC	<0.01 – 0.02	15	1
Phosphorus (t)	mg/L	ND	<0.05	4	0	NC	<0.05 – 0.158	4	1	ND	<0.05	4	0	NC	<0.05 – 0.088	4	1		<0.05	4	4	0.151	0.13 – 0.171	4	4
pH Field	s.u.	8	7.87 – 8.65	12	12	10	9.6 – 11.35	16	16	8	7.24 – 8.7	14	14	8	7.14 – 8.37	14	14	8	7.47 – 8.42	14	14	6	5.28 – 8.4	13	13
Electrical Conductivity	uS/cm	439	413 – 510	12	12	665	515 – 1055	16	16	233	213 – 274	14	14	194	154 – 418	14	14	409	379 – 465	14	14	626	278 – 1098	13	13
Temperature	^{o}F	81.7	71.4 – 87.5	4	4	76.8	66 – 83.9	4	4	66.2	59 – 72.3	3	3	69.5	58.5 – 76.4	4	4	70.0	61.9 – 76.4	4	4	61.4	50.2 – 69.1	3	3
Flow Rate	gpm	7.7	3.2 – 30	11	11	1.6	0.05 – 8.7	16	16	7.7	2 – 12.4	14	14	15.3	11.4 – 30	13	13	13.5	10 – 30	13	13	3.6	1.17 – 10	13	13

Notes: N= Number of Samples D= Number of Detects Blank cells for Samples and Detects indicates zero ND for Mean indicates too few detects to generate a reliable mean
MCLs are Nevada primary and secondary standards NC for Mean indicates no mean was calculated because there were fewer than 3 detects. d=Dissolved t=Total