Table A-1. Summary of pH and Major Ions.

Site Name	pH	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Alkalinity (mg/L as $CaCO_3$)	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Sulfate (mg/L)
AP-01	9.5	6.6	<2	11	100	51	14	32	120	36
AP-05	7.4	31	24	2.5	25	163	---	198	20	12
AP-09	7.3	15	<2	<2	85	199	---	243	9.8	<2
AP-11	8.5	<2	<2	<2	150	268	---	327	12	5.6
AP-14[a]	---	---	---	---	---	---	---	---	---	---
AP-21	10.2	310	<2	36	330	38	28	11	66	1,400
AP-22	7.4	37	22	3	42	172	---	210	18	62
AP-23	---	---	---	---	---	---	---	---	---	---
AP-25	6	---	---	---	---	2390	---	2,910	---	---
AP-26	7.4	71	23	5.2	130	160	---	195	170	130
AP-27	7.5	42	4.8	23	660	177	---	216	750	340
AP-29	7.5	84	9.2	38	850	160	---	195	1,200	330
DPW-01	7.6	27	16	3.9	29	161	---	196	11	8
DPW-02	7.6	40	20	2.6	24	197	---	240	11	8.5
DPW-06	7.7	84	23	5.8	120	175	---	213	40	320
GI-P1	7.3	33	22	2.6	23	164	---	200	18	22
Big Spring	7	27	21	<2	28	182	---	222	7.3	9.3
Bryce Spring	---	---	---	---	---	---	---	---	---	---
Cottonwood Spring	6.9	37	19	<2	36	209	---	255	12	28
Hackberry Spring	7.2	69	26	<2	49	319	---	390	18	41
Pothole Spring	6.8	10	4.3	3.5	22	56	---	68	5.9	21
Walnut Spring	7.4	85	36	3.7	52	333	---	406	18	100

Note: "---" indicates no data available; "<" indicates the concentration is less than the value (e.g. <0.5 indicates a concentration of less than 0.5)
[a] Well was destroyed; replaced by GI-P1

Table A-2. Isotopes and Physical Properties.

Site Name	$^{13}C/^{12}C$ (Ratio of Carbon-13 to Carbon-12 in o/oo)	Carbon-14 (Percent Modern Carbon)	Oxygen-18 (Ratio of Oxygen-18 to Oxygen-16 in o/oo)	Deuterium (Ratio of Hydrogen-2 to Hydrogen-1 in o/oo)	$^{87}Sr/^{86}Sr$ (Ratio of Strontium-87 to Strontium-86)	Tritium (TU)	Dissolved Oxygen (mg/L)	Specific Conductance (uS/cm @ 25 ºC)	Temperature (ºC)
AP-01	-17	12.2	-9.5	-81	0.70701	2.1	0.3	577	26.7
AP-05	-9.9	50	-8.9	-67	0.713	<0.6	0.4	442	28.1
AP-09	-11.3	22.2	-10.7	-80	0.70493	<0.8	0.2	401	22.5
AP-11	-11.4	21.1	-9.7	-72	0.70868	<0.6	0.5	559	30.6
AP-14[a]	---	---	---	---	---	---	---	---	---
AP-21	-24.3	27.9	-10.5	-80	0.70474	3.5	0.3	2,650	24.8
AP-22	-9.2	46.3	-8.9	-66	0.70891	<0.6	0.3	507	26.8
AP-23	---	---	---	---	---	---	---	---	---
AP-25	-0.5	3.1	-6.9	-58	0.70602	2	0.3	5,610	24.3
AP-26	-9.1	30.1	-9.7	-73	0.71016	<1	0.6	1,070	33
AP-27	-10.7	2.8	-11.3	-84	0.71475	<0.6	0.7	3,350	36.8
AP-29	-4.8	2.5	-11.2	-85	0.72219	<0.8	0.6	4,460	33.2
DPW-01	-10.9	43.3	-9.1	-68	0.7133	<1	0.4	363	29.1
DPW-02	-13	80.6	-9.6	-69	0.70789	<1.1	0.5	425	31.1
DPW-06	-13.4	36.4	-8.3	-62	0.70462	0.7	0.3	1,070	24.6
GI-P1	-11.2	58.6	-8.8	-66	0.71072	1.1	0.5	422	30
Big Spring	-14.3	82.9	-9.7	-70	0.70768	0.6	0.2	380	19.6
Bryce Spring	---	---	---	---	---	---	---	---	---
Cottonwood Spring	-13.8	89.7	-9.8	-70	0.70624	<0.7	0.1	480	19.5
Hackberry Spring	-12.8	96.7	-9	-67	0.70639	2.6	0.1	702	16.6
Pothole Spring	-9.6	108	-10.2	-74	0.70894	2	0	166	7
Walnut Spring	-13	103.5	-9.6	-71	0.70706	2.9	M	803	12.4

Note: "---" indicates no data available; "<" indicates the concentration is less than the value (e.g. <0.5 indicates a concentration of less than 0.5); M indicates presence verified but not quantified

[a] Well was destroyed; replaced by GI-P1

Table A-3. Trace Metals (Part One).

Site Name	Silver (ug/L)	Aluminum (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Beryllium (ug/L)	Cadmium (ug/L)	Chromium (ug/L)	Copper (ug/L)	Fluoride (mg/L)	Mercury (ug/L)
AP-01	<1	100	5	M	<1	<1	<10	M	<0.4	<0.2
AP-05	<1	<25	4	<10	<1	<1	<10	M	0.55	<0.2
AP-09	<1	<25	<1	M	<1	<1	<10	M	<0.4	<0.2
AP-11	<1	M	3	<10	<1	<1	<10	M	0.73	<0.2
AP-14[a]	---	---	---	---	---	---	---	---	---	---
AP-21	<1	M	2	M	<1	<1	<10	M	<0.4	<0.2
AP-22	<1	<25	3	<10	<1	<1	<10	M	0.52	<0.2
AP-23	---	---	---	---	---	---	---	---	---	---
AP-25	---	---	---	---	---	---	---	---	---	---
AP-26	<1	<25	4	M	<1	<1	<10	M	0.5	<0.2
AP-27	<1	<25	25	M	<1	<1	<10	10	8.2	<0.2
AP-29	<1	<25	28	M	<1	<1	<10	10	5.4	<0.2
DPW-01	<1	<25	3	<10	<1	<1	<10	<1	0.66	<0.2
DPW-02	<1	<25	1	<10	<1	<1	<10	M	0.4	<0.2
DPW-06	<1	<25	<1	M	<1	<1	<10	M	<0.4	<0.2
GI-P1	<1	<25	2	<10	<1	<1	<10	<1	0.49	<0.2
Big Spring	<1	<25	<1	<10	<1	<1	<10	M	<0.4	<0.2
Bryce Spring	---	---	---	---	---	---	---	---	---	---
Cottonwood Spring	<1	<25	2	<10	<1	<1	<10	M	<0.4	<0.2
Hackberry Spring	<1	<25	2	<10	<1	<1	<10	M	<0.4	<0.2
Pothole Spring	<1	2100	1	M	<1	<1	<10	M	<0.4	<0.2
Walnut Spring	<1	<25	2	M	<1	<1	<10	M	0.41	<0.2

Note: "---" indicates no data available; "<" indicates the concentration is less than the value (e.g. <0.5 indicates a concentration of less than 0.5); M indicates presence verified but not quantified

[a] Well was destroyed; replaced by GI-P1

Table A-4. Trace Metals (Part Two).

Site Name	Iron (ug/L)	Manganese (ug/L)	Nickel (ug/L)	Lead (ug/L)	Antimony (ug/L)	Selenium (ug/L)	Silica (mg/L)	Thallium (ug/L)	Zinc (ug/L)
AP-01	140	<5	<10	M	<3	<2	28	<1	<10
AP-05	<50	<5	<10	<1	<3	<2	75	<1	<10
AP-09	330	170	<10	<1	<3	<2	20	<1	<10
AP-11	110	M	<10	<1	<3	<2	26	<1	<10
AP-14[a]	---	---	---	---	---	---	---	---	---
AP-21	550	<5	<10	<1	<3	4	29	<1	<10
AP-22	<50	<5	<10	<1	<3	<2	66	<1	<10
AP-23	---	---	---	---	---	---	---	---	---
AP-25	---	---	---	---	---	---	---	---	---
AP-26	<50	150	<10	<1	<3	<2	54	<1	<10
AP-27	<50	<5	<10	<1	<3	<2	51	<1	<10
AP-29	920	M	<10	<1	<3	<2	49	<1	<10
DPW-01	2,800	10	<10	<1	<3	<2	73	<1	<10
DPW-02	90	<5	<10	M	<3	<2	82	<1	<10
DPW-06	590	20	<10	<1	<3	<2	22	<1	<10
GI-P1	<50	<5	<10	<1	<3	<2	75	<1	<10
Big Spring	<50	<5	<10	<1	<3	<2	62	<1	<10
Bryce Spring	---	---	---	---	---	---	---	---	---
Cottonwood Spring	<50	<5	<10	<1	<3	<2	53	<1	<10
Hackberry Spring	<50	<5	<10	<1	<3	<2	55	<1	<10
Pothole Spring	1,300	20	<10	M	<3	<2	67	<1	<10
Walnut Spring	<50	100	<10	<1	<3	<2	74	<1	<10

Note: "---" indicates no data available; "<" indicates the concentration is less than the value (e.g. <0.5 indicates a concentration of less than 0.5); M indicates presence verified but not quantified

[a] Well was destroyed; replaced by GI-P1