

Table 2
Eagle Rock Ambient Network
Summary Statistics
(uncensored data)

Laboratory Parameter	unit	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11] = [6] / [3]	[12] = [9] / [3]	[13] = [10] / [3]	[14]	[15]	[16]	[17] = ([6]-[5]) / [15]	[18]	
		Label	GCDWQ	Background	N	Min	Max	Mode	Median	Arith. Mean	Geo. Mean	Max / Backgrd	Arith. Mean / Backgrd	Geo. Mean / Backgrd	Skewness (for Normal distrib Skew = 0)	Kurtosis (for Normal distrib Kurt = 0)	StDev (sd)	Studentized Range Test	Normal Distr.	
Alkalinity Total 4.5 (mg/L)	mg/L	Alkalinity	n.a.	145	26	29.5	230.0	163.0	157.0	150.2	133.5	159%	104%	92%	-0.66	-0.08	58.28	3.44	no	Alkalinity
Ammonia - Dissolved (mg/L)	mg/L	NH4	n.a.	0.06	24	0.005	0.037	0.005	0.006	0.013	0.010	0%	0%	0%	1.03	0.32	0.01	3.43	yes	NH4
Arsenic - Total (mg/L)	mg/L	As	0.01	0.001	22	0.000	0.060	0.050	0.001	0.012	0.002	0%	0%	0%	1.43	0.11	0.02	2.70	no	As
Bicarbonate (mg/L)	mg/L	HCO3	n.a.	140	6	110.0	290.0	#N/A	155.0	171.7	161.8	200%	118%	112%	1.18	1.02	67.95	2.65	yes	HCO3
Calcium - Total (mg/L)	mg/L	Ca	n.a.	40.0	23	8.0	86.6	56.8	58.6	54.9	46.9	60%	38%	32%	-0.75	-0.39	23.54	3.34	yes	Ca
Chloride - Dissolved (mg/L)	mg/L	Cl	250	2.0	28	0.5	24.9	#N/A	9.8	10.6	6.0	17%	7%	4%	0.13	-1.58	8.31	2.94	no	Cl
Iron - Total (mg/L)	mg/L	Fe	0.3	0.1	22	0.005	3.110	0.006	0.277	0.528	0.155	2%	0%	0%	2.52	8.15	0.71	4.40	no	Fe
Fluoride - Dissolved (mg/L)	mg/L	Fl	1.5	0.04	24	0.04	0.14	0.10	0.09	0.08	0.08	0%	0%	0%	0.09	-0.97	0.03	3.50	yes	Fl
Hardness - Total (mg/L)	mg/L	Hardness	n.a.	50.0	25	30.7	280.5	#N/A	180.0	174.2	152.0	193%	120%	105%	-0.60	-0.40	72.35	3.45	yes	Hardness
Potassium - Total (mg/L)	mg/L	K	n.a.	1.3	21	1.42	3.00	3.00	3.00	2.47	2.39	2%	2%	2%	-0.43	-1.56	0.61	2.61	no	K
Magnesium - Total (mg/L)	mg/L	Mg	n.a.	3.0	23	2.50	15.60	#N/A	7.61	7.84	6.82	11%	5%	5%	0.48	-0.53	3.96	3.31	yes	Mg
Manganese - Total (mg/L)	mg/L	Mn	0.05	0.02	22	0.0013	0.1800	0.0100	0.0455	0.0589	0.0307	0%	0%	0%	1.13	-0.09	0.06	2.99	no	Mn
Sodium - Total (mg/L)	mg/L	Na	200	2.5	22	0.8	13.4	#N/A	7.0	7.1	6.0	9%	5%	4%	0.20	-0.92	3.64	3.47	yes	Na
Nitrite Nitrogen - Dissolved (mg/L)	mg/L	NO2	n.a.	0.002	26	0.002	0.019	0.002	0.002	0.005	0.004	0%	0%	0%	1.60	0.92	0.01	2.97	no	NO2
Nitrogen - Total (mg/L)	mg/L	NO3	10	0.1	25	0.02	4.40	0.03	0.46	1.24	0.49	3%	1%	0%	1.09	-0.19	1.41	3.10	no	NO3
Total Dissolved Solids (mg/L)	mg/L	TDS	500	200	28	36.0	340.0	50.0	222.0	205.7	176.8	234%	142%	122%	-0.50	-0.76	91.20	3.33	no	TDS
Conductivity (uS/cm)	uS/cm	Conductance	n.a.	100	29	61.0	553.0	334.0	361.0	334.7	284.6	381%	231%	196%	-0.41	-0.98	155.42	3.17	no	Conductance
Sulfate - Dissolved (mg/L)	mg/L	SO4	500	5	27	0.5	31.1	1.0	13.5	13.4	9.7	21%	9%	7%	0.37	-0.47	8.23	3.72	yes	SO4
Uranium - Total (mg/L)	mg/L	U	0.02	0.0025	15	0.0003	0.0071	0.0071	0.0035	0.0038	0.0030	0%	0%	0%	0.29	-0.77	0.00	3.17	yes	U
pH (pH units)	pH units	pH	6.5 to 8.5	7.95	28	7.70	8.87	8.10	8.10	8.11	8.11	6%	6%	6%	1.72	5.13	0.22	5.33	no	pH
Dissolved : Chloride / Fluoride		Cl/Fl	n.a.	n.a.	28	5.0	522.5	#N/A	140.0	119.8	79.3	360%	83%	55%	1.27	1.95	133.13	3.89	yes	Cl/Fl

NOTES:

- (1) **8.420** Yellow Box with Red Value - value is greater than or equal to GCDWQ
- (2) **8.420** Yellow Box with Blue Value - value is greater than or equal to 85% GCDWQ
- (3) Min, Max, Mode, Median, Arithmetic Mean, Geometric Mean values (see Cols [5] - [10]) are standard parametric statistical methods.
- (4) Mode Values displayed as #N/A , indicate all sample values were unique (non value occurring more than once).
- (5) Geometric Mean formula has limitations. A workaround was found for some calculations that errored out. All values are for interest purposes ONLY.
- (6) Ratios in Cols [11] to [13] are cursory indications of potential extreme outliers
- (7) Skewness, Kurtosis, Standard Deviation, Studentized Range Test (see Cols [14] to [18]) are indicators of normal tendencies