

Table 4.1 Eleven month, three replication averages of water quality parameters for the SAPS columns. Numbers in parentheses represent the range of data.

Sample	pH ¹	Fe (mg/l)	Mn (mg/l)	Sulfate (mg/l)	Ca (mg/l)	Acidity ² (mg/l)	Alkalinity ² (mg/l)	Dissolved Oxygen (mg/l)
Influent	2.61 (2.8 - 2.17)	21.02 (32.53 - 9.86)	7.30 (11.21 - 4.74)	621.49 (956.06 - 449.17)	80.67 (91.67 - 73.47)	288.1 (706.67 - 166)	0 (0.00)	.
17 hour-Port1	2.55 (2.85 - 2.14)	18.65 (37.13 - 6.92)	7.18 (10.91 - 4.64)	603.24 (907.83 - 426.50)	81.70 (88.32 - 72.87)	277.32 (636.00 - 160.00)	0.00 (0.00)	2.31 (5.70 - 0.83)
17 hour-Port2	2.60 (2.88 - 2.24)	19.51 (43.11 - 7.37)	7.32 (11.57 - 4.81)	610.89 (950.67 - 433.59)	98.92 (155.23 - 76.70)	254.18 (630.67 - 151.33)	0.00 (0.00)	2.05 (6.23 - 0.57)
17 hour-Effluent	6.63 (6.88 - 6.37)	2.32 (22.42 - 0.00)	6.75 (11.52 - 3.70)	681.22 (1332.13 - 417.92)	325.17 (634.00 - 173.60)	11.43 (61.30 - 0.00)	221.07 (308.00 - 140.00)	.
17 hour-Barrel	7.30 (7.60 - 6.66)	1.34 (12.7 - 0.00)	4.22 (6.88 - 0.00)	720.21 (1370.58 - 537.87)	322.26 (636.00 - 238.60)	9.05 (55.50 - 0.00)	199.30 (254.00 - 152.00)	.
30 hour-Port1	2.56 (2.85 - 2.19)	17.71 (37.19 - 3.87)	7.18 (10.90 - 4.63)	601.23 (867.78 - 435.59)	85.27 (97.47 - 73.57)	277.77 (623.33 - 156.67)	0.00 (0.00)	1.12 (2.75 - 0.47)
30 hour-Port2	2.71 (3.29 - 2.35)	17.45 (36.03 - 3.35)	7.30 (11.06 - 4.74)	628.87 (892.45 - 438.89)	105.01 (164.83 - 78.60)	242.30 (534.67 - 138.67)	0.00 (0.00)	0.98 (2.22 - 0.37)
30 hour-Effluent	6.68 (7.04 - 6.46)	2.21 (21.28 - 0.01)	6.46 (9.82 - 3.81)	647.64 (1062.12 - 453.57)	325.32 (467.07 - 200.63)	11.87 (67.33 - 0.00)	206.33 (280.00 - 137.97)	.
30 hour-Barrel	7.39 (7.79 - 7.05)	0.37 (2.97 - 0.00)	4.44 (6.42 - 0.02)	756.97 (1210.30 - 528.76)	357.26 (562.00 - 263.50)	9.10 (54.00 - 0.00)	195.70 (247.00 - 156.00)	.
60 hour-Port1	2.54 (2.80 - 2.18)	18.39 (33.28 - 7.92)	7.12 (10.90 - 5.30)	597.93 (913.62 - 473.24)	92.08 (139.07 - 75.73)	287.53 (597.33 - 178.67)	0.00 (0.00)	0.88 (2.98 - 0.38)
60 hour-Port-2	2.86 (3.63 - 2.53)	16.75 (30.33 - 9.26)	7.08 (10.94 - 5.70)	582.70 (913.02 - 464.65)	111.33 (175.73 - 79.10)	251.16 (546.67 - 169.33)	1.67 (16.67 - 0.00)	0.52 (0.83 - 0.37)
60 hour-Effluent	6.65 (6.82 - 6.47)	1.44 (13.55 - 0.00)	6.11 (8.57 - 4.40)	570.53 (707.71 - 495.11)	250.53 (313.77 - 213.10)	13.23 (79.67 - 0.00)	201.07 (264.00 - 154.67)	.
60 hour-Barrel	7.46 (7.75 - 7.16)	0.27 (2.02 - 0.00)	3.15 (5.71 - 0.01)	623.41 (781.91 - 542.54)	271.13 (403.10 - 220.7)	7.80 (41.00 - 0.00)	177.60 (222.00 - 152.00)	.

¹Value reflects median

²CaCO₃ equivalent