

Lyell below MacLure 7/3/19 BMA, MW, CF, RH

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Tapedown @ 720 PDI = 2.1 ft, gauge pool turbulent

Stage = 10 - 2.1 = 7.90 ft

Rec Num = 30973

Time Stamp = 7/3/2019 7:24:33 AM

Batt V = 13.17758 V

Level_H = 2.172139 ft

Temp_C = 0.8740889 °C

Observed = 7.21

* Downloaded
data & program

Level_corr = 7.865133 ft

Offset = 5.692495

Corr = 0

Ct = 0

Temp_L-2 = 0

Sp Corrd = 0

Rs - 1 = .9972004

Rs - 2 = 356.1976

Rs - 3 = 356.1917

Ct - 1 = 0.00396135

Ct - 2 = 2.684511

Ct - 3 = 1.001900

Lyell below MacLure

7/3/19 BMA, MW, CF, RH

DISCHARGE #1 - SALT SLUG (WET)

Primary: 3000L ω 635.16g NaCl

Secondary: 1000L + 1.5 mL = 1001.5 mL

Calibration: 1000 mL

TD @ 7.58 = 10.2.11 = 7.89 ft

SPC Initial: 5.7 $\frac{\mu S}{cm}$

Slug @ 7.58 AM

Started Rec @ 7.58

Peak SPC @ 8:00 AM = 13.2 $\frac{\mu S}{cm}$

End SPC = 5.7 $\frac{\mu S}{cm}$ @ 8:04 AM

TD @ end @ 8:05 = 10.2.11

Calibration: $R_0 = 6.1 \frac{\mu S}{cm}$

$R_1 = 6.6 \frac{\mu S}{cm}$ $V_1 = 1.5 mL$

$R_2 = 7.6 \frac{\mu S}{cm}$ $V_2 = 3.0 mL$

$R_3 = 9.2 \frac{\mu S}{cm}$ $V_3 = 4.6 mL$

$R_4 = 11.2 \frac{\mu S}{cm}$ $V_4 = 4.6 mL$

$R_5 = 12.8 \frac{\mu S}{cm}$ $V_5 = 4.6 mL$

$R_6 = 14.8 \frac{\mu S}{cm}$ $V_6 = 9.2 mL$

$R_7 = 18.2 \frac{\mu S}{cm}$ $V_7 = 9.2 mL$

$R_8 = 21.5 \frac{\mu S}{cm}$ $V_8 = 9.2 mL$

$R_9 = 25.6 \frac{\mu S}{cm}$ $V_9 = 9.2 mL$

* Downloaded
data
program

* Calculated
 $Q = 46.053$

RH, CF, MW, BMA Lyell b/l Maclure

7/3/19

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Discharge #2 - Wet Salt Slug

Primary: 3000 mL + 603.42g NaCl

Secondary: 1000 mL + 1.5 mL = 1001.5 mL

Calibration: 1000 mL

TD @ 8:49 AM = 10-2.15 = 7.85 ft

SPC Initial = 5.7 $\frac{\mu S}{cm}$

Slug @ 8:50 AM

Started Logging @ 8:50 AM

Peak SPC @ 8:52 AM = 14.1 $\frac{\mu S}{cm}$

End SPC @ 8:56 AM = 5.7 $\frac{\mu S}{cm}$

TD @ end = @ 9:00 AM @ 10-2.15 = 7.85 ft

Calibration:

$R_0 = 6.0 \frac{\mu S}{cm}$

$R_1 = 6.4 \frac{\mu S}{cm}$ $V_1 = 1.5 mL$

$R_2 = 7.9 \frac{\mu S}{cm}$ $V_2 = 4.6 mL$

$R_3 = 11.2 \frac{\mu S}{cm}$ $V_3 = 9.2 mL$

$R_4 = 14.2 \frac{\mu S}{cm}$ $V_4 = 9.2 mL$

$R_5 = 17.2 \frac{\mu S}{cm}$ $V_5 = 9.2 mL$

$R_6 = 20.3 \frac{\mu S}{cm}$ $V_6 = 9.2 mL$