

TROUBLESHOOTING 6.7.4

Consult instrument manufacturer for additional guidance if troubleshooting suggestions shown on table 6.7-3 do not remedy the problem encountered.

Table 6.7-3. Troubleshooting guide for field turbidity measurement

| Symptom | Possible cause and corrective action |
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| Erratic readings | <ul style="list-style-type: none"> • Check voltage of the batteries: replace weak batteries with new batteries. • Condensation on cell wall: see fourth symptom. • Bubbles in sampling system or on optical surface of probe-based system: tap sample line to flowthrough cell or chamber systems to dislodge bubbles; adjust debubbler apparatus; remove bubbles on probe-based system by agitating the unit repeatedly or activating wiper mechanism. |
| Unusually high or low turbidity | <ul style="list-style-type: none"> • Bubbles in sampling system or on optical surface of probe-based system: see corrective action for erratic readings (first symptom). |
| Readings first appear stable, then begin to increase inexplicably | <ul style="list-style-type: none"> • Check for moisture on cell wall: see fourth symptom. |
| Moisture or condensation on wall of cell | <ul style="list-style-type: none"> • Wipe cell dry.¹ • Apply a thin veneer of silicon oil.² • Add gas sweep to system. |
| Blank samples or reference material standards do not read accurately | <ul style="list-style-type: none"> • Check that the cells are oriented as instructed. • Check accuracy against that of another instrument. |

¹ Use soft, lint-free cloth.

² Check with instrument manufacturer before applying silicon oil.