

**FIELD INSTRUMENT CALIBRATION RECORDS - CALIBRATION LOG - PRP**

Project Site/FacID: \_\_\_\_\_

**Boldly "X" this box if there is qualified data on this page.**

Calibrated by (Print)/Affiliation: \_\_\_\_\_

**Temperature (Quarterly)**      Date of Last Temp Verification: \_\_\_\_\_      See log book: \_\_\_\_\_

<b>DISSOLVED OXYGEN (DO) (REFERENCE: DEP SOP FT 1500)</b>											<b>Acceptance Criteria +/-0.3 mg DO/L</b>		
Meter/Instrument Name and Unique ID: _____													
CAL	ICV	CCV	Initials	Date	Time	Standard (DO %)	Temp °C	DO Saturation mg/L (100%)**	Response DO (%)	Response mg DO/L	Deviation mg DO/L	Pass	Fail
CAL	ICV	CCV	_____	_____	_____	100%	_____	_____	_____	_____	_____	P	F
CAL	ICV	CCV	_____	_____	_____	100%	_____	_____	_____	_____	_____	P	F
CAL	ICV	CCV	_____	_____	_____	100%	_____	_____	_____	_____	_____	P	F
CAL	ICV	CCV	_____	_____	_____	100%	_____	_____	_____	_____	_____	P	F
CAL	ICV	CCV	_____	_____	_____	100%	_____	_____	_____	_____	_____	P	F
CAL	ICV	CCV	_____	_____	_____	100%	_____	_____	_____	_____	_____	P	F

\*\* See Table FS 2200-2 and/or Table FT 1500-1 for Dissolved Oxygen 100% Saturation (mg/L) corresponding to Temperature.

<b>SPECIFIC CONDUCTANCE (REFERENCE: DEP SOP FT 1200)</b>											<b>Acceptance Criteria +/-5% the standard</b>	
Meter/Instrument Name and Unique ID: _____												
CAL	ICV	CCV	Initials	Date	Time	Standard (µmho/cm)	Exp. Date	Lot #	Response (µmho/cm)	Deviation (%)	Pass	Fail
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P	F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P	F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P	F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P	F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P	F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P	F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P	F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P	F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P	F

<b>OXIDATION-REDUCTION POTENTIAL (ORP)</b>											<b>Acceptance Criteria +/-10 mV</b>	
<b>REFERENCE: EPA Region 4, Operating Procedure, Field Measurement of Oxidation-Reduction Potential (ORP)</b>												
Meter/Instrument Name and Unique ID: _____												
CAL	ICV	CCV	Initials	Date	Time	Standard (mV)	Exp. Date	Lot #	Response (mV)	Deviation (mV)	Pass	Fail
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P	F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P	F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P	F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P	F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P	F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P	F

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

Deviation (%) = 100-{(Response/Standard)\*100}

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TURBIDITY (REFERENCE: DEP SOP FT 1600)						Meter/Instrument Name and Unique ID: _____					
Std=0.1-10 NTU +/-10%			Std=11-40 NTU +/-8%			Std=41-100 NTU +/-6.5%			Std>100 NTU +/-5%		
CAL	ICV	CCV	Initials	Date	Time	Standard (NTU)	Exp. Date	Lot #	Response (NTU)	Deviation (%)	Pass or Fail
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F

pH (REFERENCE: DEP SOP FT 1100)						Acceptance Criteria +/-0.2 SU					
Meter/Instrument Name and Unique ID: _____											
CAL	ICV	CCV	Initials	Date	Time	Standard (SU)	Exp. Date	Lot #	Response (SU)	Deviation (SU)	Pass or Fail
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

Deviation (%) = 100-{|(Response/Standard)\*100}

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ORGANIC VAPOR ANALYZER (OVA)						Acceptance Criteria +/-5% the standard					
<b>REFERENCE: Portable Instruments User's Manual For Monitoring VOC Sources , EPA-340/1-86-015, June 1986</b>											
Meter/Instrument Name and Unique ID: _____											
CAL	ICV	CCV	Initials	Date	Time	Standard (ppm)	Exp. Date	Lot #	Response (ppm)	Deviation (%)	Pass or Fail
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F

Notes (e.g. corrective actions, etc):  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Perform only in Calibrate Mode: CAL - Calibrate  
 Perform only in Read/Run Mode: ICV - Initial Calibration Verification  
 Perform only in Read/Run Mode: CCV - Continuing Calibration Verification  
 Deviation (%) = 100-{|(Response/Standard)\*100}

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THIS FORM MAY BE USED FOR NON-TYPICAL PARAMETERS.

THIS FORM SHALL **NOT** BE USED FOR TYPICAL PARAMETERS (i.e. pH, DO, ORP, OVA, Turbidity, Conductance, etc.).

Project Site/FacID: \_\_\_\_\_

Calibrated by (Print)/Affiliation: \_\_\_\_\_

*Boldly "X" this box if there is qualified data on this page.*

PARAMETER: \_\_\_\_\_ Acceptance Criteria \_\_\_\_\_ the standard

REFERENCE: \_\_\_\_\_

Meter/Instrument Name and Unique ID: \_\_\_\_\_

CAL	ICV	CCV	Initials	Date	Time	Standard (_____)	Exp. Date	Lot #	Response (_____)	Deviation (_____)	Pass or Fail
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F
CAL	ICV	CCV	_____	_____	_____	_____	_____	_____	_____	_____	P F

Notes (e.g. corrective actions, etc):  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Perform only in Calibrate Mode: CAL - Calibrate  
 Perform only in Read/Run Mode: ICV - Initial Calibration Verification  
 Perform only in Read/Run Mode: CCV - Continuing Calibration Verification  
 Deviation (%) = 100-{(Response/Standard)\*100}