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SENSOR SERIAL NUMBER: 0042
CALIBRATION DATE: 15-May-19

SBE 49 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -9.920376e-001
h =  1.451353e-001
i = -2.777973e-004
j =  4.473028e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
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BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2618.23	0.0000	0.00000
1.0000	34.8177	2.97607	5232.98	2.9761	0.00000
4.5000	34.7975	3.28313	5430.95	3.2831	-0.00000
15.0000	34.7544	4.26482	6019.52	4.2648	-0.00001
18.5000	34.7452	4.60995	6212.91	4.6100	0.00001
23.9999	34.7345	5.16779	6512.98	5.1678	-0.00001
29.0000	34.7271	5.68935	6781.18	5.6894	0.00000
32.5000	34.7216	6.06134	6965.94	6.0613	0.00000

f = Instrument Output (Hz) / 1000.0

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \varepsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity