Vermont Forensic Laboratory
DataMaster DMT ʼbration Logbook

Technician Name	Date	DMT Serial Number		Lot Number	# of times solution run	Certified Concentration (g/210L)	CAL Factor or Average	Sim Solution NIST Temp °C at time of use	Notes
A. Boldue	5/18/12	123006	Calibration Solution	12-71-100	1	0.100	0.990995	34.2°C	Termometer S/N 111814367
Review TLC 6/28/12			In-House QC Standard	12-39-100	1	0.100	0.100	34.2	
			2nd Source QC Standard	Guth 11250	1	0.10	0.099	34.0	
A. Boldue	6/21/12	103809	Calibration Solution	12-71-100	1	0.100	0.977056	34.0	SN 101489856 Termometer
Review TLC 6/28/12			In-House QC Standard	12-39-100	2	0.100	0.100	34.0	
			2nd Source QC Standard	Guth 11250	2	0.10	0.097	33.9	
A. Boldue/RD	6/28/12	102606	Calibration Solution	12-71-100	2	0.100	~~0.00~~ 0.973221 @ 6/28	34.0	SN 101489856 Thermometer
detector voltage >± 0.1 recalibrated @ TLC 8/9/12 Review			In-House QC Standard	12-39-100	5	0.100	0.099	34.0	
			2nd Source QC Standard	Guth 11250	3	0.10	0.097	33.8	
DEB / RD	6/28/12	104509	Calibration Solution	12-71-100	@ ~~3~~ 4	0.100	1.007636	34.0	Thermometer S/N 101489856
detector voltage >± 0.1 recalibrated @ TLC 8/9/12 Review			In-House QC Standard	12-39-100	6	0.100	0.099	34.0	recalibrated, forgot to purge Sim ports prior cal
			2nd Source QC Standard	Guth 11250	4	0.10	0.096	33.8	
A. Boldue	6/29/12	104509	Calibration Solution	12-71-100	1	0.100	1.019158	34.0	Thermometer 101489856
TLC 8/9/12 Review			In-House QC Standard	12-39-100	7	0.100	0.100	33.9	
			2nd Source QC Standard	Guth 11250	1	0.10	0.099	33.9	
A. Boldue	6/29/12	102606	Calibration Solution	12-71-100	2	0.100	0.947836	34.0	T° 101489856
TLC 8/9/2012 Review			In-House QC Standard	12-39-100	8	0.100	0.098	33.9	Failed Interferent testing
			2nd Source QC Standard	Guth 11250	2	0.10	0.097	33.9	
A. Boldue	7/2/12	102606	Calibration Solution	12-71-100	3	0.100			failed interferent testing
TLC 8/9/2012 Review			In-House QC Standard						
			2nd Source QC Standard						
A. Boldue	7/2/12	100144	Calibration Solution	12-71-100	4	0.100	0.97458	34.2	S/N 111814367
TLC 8/9/2012 Review			In-House QC Standard	12-39-100	9	0.100	0.099	34.2	
			2nd Source QC Standard	Guth 11250	3	~~0.090~~ 0.10 @	0.098	~~34.2~~ 34.0 @ 7/2/12	

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R. Driscoll	7/26/12	102806	Calibration Solution	12-71-100	1	0.100	0.997420	33.9	Thermometer S/N 111814522
Review TLC 8/9/12			In-House QC Standard	12-39-100	10	0.100 ~~0.098~~ RCD	0.098	34.0	
			2nd Source QC Standard	Guth 11250	4	0.10	0.098	33.8	
R. Driscoll	7/26/12	121706	Calibration Solution	12-71-100	2	0.100	0.976704	33.9	Thermometer S/N: 111814522
Review TLC 8/9/2012			In-House QC Standard	12-39-100	NO RUN	Cal Check Error			
			2nd Source QC Standard	N/A					
R. Driscoll	7/26/12	121706	Calibration Solution	12-71-100	3	0.100	0.985956	33.9	Thermometer S/N: 111814522
Review TLC 8/9/2012			In-House QC Standard	12-39-100	11	0.100	INTERFERENCE	34.0	→ filter wheel issues. RCD
			2nd Source QC Standard	N/A					
R. Driscoll	7/27/12	103206	Calibration Solution	12-71-100	4	0.100	0.980167 ~~0.966522~~ RCD	34.0	Thermometer S/N: 111814522
Review TLC 8/9/2012			In-House QC Standard	12-39-100	12	0.100	0.098	34.0	
			2nd Source QC Standard	Guth 11250	5	0.10	0.097	33.9	
R. Driscoll	7/27/12	121706	Calibration Solution	12-71-100	5	0.100	0.966522	33.9	Poured out Guth + replaced w/ new. 1st run was .096
Review TLC 8/9/2012			In-House QC Standard	12-39-100	13	0.100	0.097	34.0	
			2nd Source QC Standard	Guth 11250	1	0.10	0.099	34.1	Thermometer S/N: 111814522
R. Driscoll	8/2/12	121706	Calibration Solution	N/A					Cal Check Post pre-deployment testing
Review TLC 8/9/2012			In-House QC Standard	12-39-100	14	0.100	0.097	34.0	
			2nd Source QC Standard	Guth 11250	2	0.10		34.0	Thermometer S/N: 111814522 RCD
R. Driscoll	8/2/12	102806	Calibration Solution	12-71-100	1	0.100	.991426	33.9	Thermometer S/N: 111814522
Review TLC 8/9/2012			In-House QC Standard	12-39-100	15	0.100	0.097	34.0	
			2nd Source QC Standard	Guth 11250	3 ~~2~~ RCD	0.10	0.100	34.0	
R. Driscoll	8/9/12	102806	Calibration Solution	N/A					Cal Check Post pre-redeployment testing
Review TLC 12/5/2012			In-House QC Standard	12-61-100	1	0.101	0.101	34.0	
			2nd Source QC Standard	Guth 11250	4	0.10	0.100	34.0	Thermometer S/N: 111814522 RCD

Technician Name	Date	DMT Serial Number		Lot Number	# of times solution run	Certified Concentration (g/210L)	CAL Factor or Average	Sim Solution NIST Temp °C at time of use	Notes
R.Driscoll	10/15/12	100162	Calibration Solution	12-71-100	1	0.100	.959772	34.0	Thermometer S/N: 111814522
Review [signature] 12/5/12			In-House QC Standard	12-61-100	2	0.101	0.098	34.0	
			2nd Source QC Standard	Guth 11250	1	0.10	0.099	34.1	
R.Driscoll	10/16/12	100162	Calibration Solution	12-71-100	2	0.100	.958003	34.0	Thermometer S/N: 111814522
Review [signature] 12/5/12			In-House QC Standard	12-61-100	3	0.101	0.098	33.9	
			2nd Source QC Standard	Guth 11250	2	0.10	0.099	34.0	
R.Driscoll	12/18/12	104709	Calibration Solution	12-71-100	1	0.100	.977476	34.0	Thermometer S/N 111814522
Review [signature] 6/26/13			In-House QC Standard	12-61-100	1	0.101	Interference	34.0	
			2nd Source QC Standard	Guth 11250	~~3~~ 2 RCD	0.10	NOT RAN	34.1	
R.Driscoll	12/21/12	100156	Calibration Solution	12-71-100	2	0.100	.977392	34.0	Thermeter S/N: 11814522
Review [signature] 1/15/2013			In-House QC Standard	12-61-100	2	0.101	0.100	34.0	
			2nd Source QC Standard	Guth 11250	~~3~~ 1 RCD 12/21/12	0.10	0.100 ~~0.094~~ RCD 12/21/12	34.0	replaced Guth 11250 RCD 12/21/12
R.Driscoll	12/24/12	100156	Calibration Solution	12-71-100	3	0.100	.987816	33.9	Thermometer S/N 111814522
Review [signature] 1/15/2013			In-House QC Standard	12-61-100	3	0.101	0.101	33.9	
			2nd Source QC Standard	Guth 11250	2	0.10	0.101	34.0	
R.Driscoll	2/4/13	100161	Calibration Solution	12-71-100	1	0.100	.973298	33.9	Thermometer S/N 111814522
Review [signature] 2/4/13			In-House QC Standard	Guth 11250	3	0.10	0.097	34.0	
			2nd Source QC Standard						
R.Driscoll	4/1/13	104709	Calibration Solution	12-71-100	1	0.100	.968331	34.0	Thermometer S/N. 111814522
Review [signature] 5/2/13			In-House QC Standard						
			2nd Source QC Standard	OHIO 12070	1	0.101	.098	34.0	
R.Driscoll	5/29/13	300386	Calibration Solution	13-02-100	1	0.098	.935589	33.9°	Thermometer S/N 111814522
Review [signature] 6/26/13			In-House QC Standard						
			2nd Source QC Standard	OHIO 12070	2	0.101	0.094	34.0	replaced Guth 12070
			↳	OHIO 12220	1	0.101	0.098	34.0	with 12220 RCD 5/29/13

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R. Driscoll	6/27/13	102506	Calibration Solution	13-02-100	1	0.098	.960647	34.0	NIST Thermometer s/N 111814522 RCD 6/27/13
			In-House QC Standard						
Review TLCA 7/2/2013			2nd Source QC Standard	OHIO 12220	3	0.101	.097	34.0	
R. Driscoll	7/2/13	102506	Calibration Solution	13-02-100	2	0.098	.960647	34.0	NIST Thermometer S/N 111814522 RCD 7/2/13
			In-House QC Standard						
Review TLCA 7/2/2013			2nd Source QC Standard	OHIO 12220	3	.101	.098	34.0	
R. Driscoll	7/9/13	300387	Calibration Solution	13-02-100	1 RCD	0.098	.954240	33.9	NIST Thermometer S/N 111814522 RCD 7/9/13
			In-House QC Standard			7/9/13			
Review TLCA 8/8/2013			2nd Source QC Standard	OHIO 12220	1 RCD	0.101	.098	34.0	
R. Driscoll	7/10/13	300387	Calibration Solution	13-02-100	2	.098	.961729	33.9	NIST Thermometer S/N 111814522 RCD 7/10/13
			In-House QC Standard						
Review TLCA 8/8/2013			2nd Source QC Standard	OHIO 12220	2	.101	.099	34.0	H_2O = 34.0°C
R. Driscoll	7/29/13	103509	Calibration Solution	13-02-100	1	.098	.942709	34.0	NIST Thermometer S/N 111814522 RCD 7/29/13
			In-House QC Standard						
Review TLCA 8/5/2013			2nd Source QC Standard	OHIO 12220	4	.101	.098	34.0	H_2O = 34.0°C
R. Driscoll	8/6/13	100147	Calibration Solution	13-02-100	1	.098	.948844	34.0	NIST Thermometer S/N 111814522 RCD 8/6/13
			In-House QC Standard						
Review TLCA 8/7/2013			2nd Source QC Standard	OHIO 12220	1	0.101	.098	34.0	H_2O = 34.0°C
R. Driscoll	10/21/13	102906	Calibration Solution	13-02-100	1	0.098	.963456	34.1	NIST Thermometer S/N 111814522
OHIO 12220 out of range. replaced with ~~OHIO~~ Guth 13100 RCD 10/21/13			In-House QC Standard	~~OHIO~~ Guth 13100 RCD 10/21/13	1	0.100	0.099	10/21/13 34.2	
Review TLCA 10/22/2013			2nd Source QC Standard	OHIO 12220	2	0.101	.097 poured out	10/21/13 34.2	H_2O = 34.2°C RCD 10/21/13
R. Driscoll	10/21/13	102906	Calibration Solution	13-02-100	2	.098	.959079	34.1	NIST Thermometer S/N 111814522
			In-House QC Standard						
Review TLCA 10/22/2013			2nd Source QC Standard	Guth 13100	2	.100	0.098	34.2	H_2O = 34.2°C RCD 10/21/13

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R. Driscoll	10/22/13	102906	Calibration Solution	13-02-100	3	0.098	.955759	34.1	NIST Thermometer S/N 111814522
Review TLCA 10/22/2013			In-House QC Standard						RCD
			2nd Source QC Standard	Guth 13100	3	0.100	0.098	34.2	H_2O = 34.2°C 10/22/13
R. Driscoll	10/29/13	121806	Calibration Solution	13-02-100	RCD ~~4~~ 1	0.098	0.961888	34.1	NIST Thermometer S/N 111814522
Review TLCA 10/29/2013			In-House QC Standard						
			2nd Source QC Standard	Guth 13100	4	0.100	0.098	34.2	H_2O = 34.1 RCD 10/29/13
R. Driscoll	11/6/13	104508	Calibration Solution	13-02-100	1	0.098	.980380	34.1	NIST Thermometer S/N 111814522
Review TLCA 11/7/2013			New bottle RCD In-House QC Standard	Guth 13100	1	0.100	0.097	34.2	
			2nd Source QC Standard	Guth 13100	5	0.100	0.096 Poured out	11/6/13 RCD 34.2	H_2O = 34.1°C RCD 11/6/13
R. Driscoll	12/3/13	100147	Calibration Solution	13-02-100	1	0.098	.950663	34.2	NIST Thermometer S/N 111814517
Review TLCA 12/3/2013			In-House QC Standard						
			2nd Source QC Standard	Guth 13100	~~1~~ 2 RCD 12/3/13	0.100	.098	34.2	H_2O = 34.2°C RCD 12/3/13
R. Driscoll	12/23/13	100162	Calibration Solution	13-02-100	1	0.098	.940683	34.2	NIST Thermometer S/N 111814517
Review TLCA 12/23/2013			In-House QC Standard						
			2nd Source QC Standard	Guth 13100	3	0.100	.097	34.2	H_2O = 34.2°C RCD 12/23/13
R. Driscoll	12/23/13	100162	Calibration Solution	13-02-100	2	0.098	.946814	34.2	NIST Thermometer S/N 111814517
Review TLCA 12/23/2013			In-House QC Standard						
			2nd Source QC Standard	Guth 13100	4	0.100	.097	34.2	H_2O = 34.2°C RCD 12/23/13
R. Driscoll	12/23/13	100162	Calibration Solution	13-02-100	3	0.098	.947608	34.2	NIST Thermometer S/N 111814517
Review TLCA 12/23/2013			In-House QC Standard						
			2nd Source QC Standard	Guth 13100	5	0.100	.097	34.2	H_2O = 34.2°C RCD 12/23/13
R. Driscoll	3/18/14	102706	Calibration Solution	13-22-100	1	0.099	.983394	34.2	NIST Thermometer S/N 111814517
Review TLCA 3/18/2014			In-House QC Standard						
			2nd Source QC Standard	Guth 13100	1	0.100	0.098	34.2	H_2O = 34.2°C RCD 3/18/14

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R. Driscoll	4/15/14	121706	Calibration Solution	13-22-100	1	0.099	0.946694	34.1	NIST Thermometer s/n 111814517
Review	4/22/2014		In-House QC Standard						
			2nd Source QC Standard	Guth 13100	2	0.100	0.098	34.2	H_2O = 34.2°C RCD 4/15/14
R. Driscoll	4/15/14	121706	Calibration Solution	13-22-100	2	0.099	0.955009	34.1	NIST Thermometer S/N 111814517
Review	4/22/2014		In-House QC Standard						
			2nd Source QC Standard	Guth 13100	3	0.100	0.098	34.2	H_2O = 34.2°C RCD 4/15/14
R. Driscoll	6/25/14	100149	Calibration Solution	13-22-100	1	0.099	0.953699	34.2	Guth out of range so replaced with new bottle and rerun A+P. NIST Thermometer S/N 111814517
Review	6/30/2014		2nd Source RCD In-House QC Standard	Guth 13100	1	0.100	0.099	34.2	
			2nd Source QC Standard	Guth 13100	4	0.100	0.096 Poured out after 4 RCD	34.2	H_2O = 34.2°C RCD 6/25/14
R. Driscoll	7/25/14	100163	Calibration Solution	13-22-100	1	0.099	0.946041	34.1	
Review	8/4/2014		In-House QC Standard						NIST Thermometer S/N 111814517
			2nd Source QC Standard	Guth 13100	2	0.100	0.097	34.2	H_2O = 34.2°C RCD 7/25/14
R. Driscoll	7/28/14	100163	Calibration Solution	13-22-100	2	0.099	.944198	34.2	
Review	8/4/2014		In-House QC Standard						NIST Thermometer S/N 111814517
			2nd Source QC Standard	Guth 13100	3	0.100	0.098	34.2	H_2O = 34.2°C RCD 7/28/14
R. Driscoll	7/28/14	100163	Calibration Solution	13-22-100	3	0.099	.951748	34.2	NIST Thermometer S/N 111814517
Review	8/4/2014		In-House QC Standard						
			2nd Source QC Standard	Guth 13100	4	0.100	0.098	34.2	H_2O = 34.2 RCD 7/28/14
R. Driscoll	7/29/14	100163	Calibration Solution	13-22-100	4	0.099	.926921	34.1	* forgot to purge simulator prior to recalibrating RCD 7/29/14
Review	8/4/2014		In-House QC Standard						NIST Thermometer S/N 111814517
			2nd Source QC Standard	Guth 13100	5	0.100	did not run RCD 7/29/14	34.2	H_2O = 34.2°C RCD 7/29/14
R. Driscoll	7/29/14	100163	Calibration Solution	13-22-100	5	0.099	0.960737	34.1	NIST Thermometer S/N 111814517
Review	8/4/2014		In-House QC Standard						
			2nd Source QC Standard	Guth 13100	5	0.100	0.098	34.2	H_2O = 34.2°C RCD 7/29/14

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R. Driscoll	7/29/14	100163	Calibration Solution	13-22-100	6	0.099	0.982116	34.1	NIST Thermometer S/N 111814517 34.2°C H_2O RCD 7/29/14
Review	8/4/2014		In-House QC Standard						
			2nd Source QC Standard	Guth 13100	6	0.100	0.098	34.2	
R. Driscoll	7/31/14	104609	Calibration Solution	13-22-100	7	0.099	0.969241	34.1	NIST Thermometer S/N 111814517 H_2O = 34.2°C RCD 7/31/14
Review	7/31/2014		In-House QC Standard						
			2nd Source QC Standard	Guth 13100	7	0.100	0.098	34.2	
R. Driscoll	10/16/14	100135	Calibration Solution	14-07-100	1	0.100	0.989019	34.0	NIST Thermometer S/N 111814517 H_2O = 34.0°C RCD 10/16/14
Review	10/16/2014		In-House QC Standard						
			2nd Source QC Standard	Guth 14110	1	0.100	0.099	34.0	
R. Driscoll	10/28/14	100152	Calibration Solution	14-07-100		0.100	0.997495	33.9	NIST Thermometer S/N 111814517 H_2O = 34.0°C RCD 10/28/14
Review	10/29/2014		In-House QC Standard						
			2nd Source QC Standard	Guth 14110		0.100	0.099	33.8	
			Calibration Solution						
			In-House QC Standard						
Review			2nd Source QC Standard						
			Calibration Solution						
			In-House QC Standard						
Review			2nd Source QC Standard						
			Calibration Solution						
			In-House QC Standard						
Review			2nd Source QC Standard						
			Calibration Solution						
			In-House QC Standard						
Review			2nd Source QC Standard						