

VERMONT FORENSIC LABORATORY
DMT Verification Summary

DMT Serial Number: 100157

	Date	Initial	Solution Lot #	Target	Result	St. Dev.	Bias	% CV	Notes
Adjustment	5/13/2025	JSD	24-20-100	Cal Factor:	0.969242				
Calibration	5/13/2025	JSD							
MCS Check	5/13/2025	JSD	24GP41260	0.100	0.098	0.0003	-2.00%	0.31%	
Linearity #1	5/13/2025	JSD	24-22-025	0.025	0.025	0.0002	0.00%	0.80%	
			24-21-200	0.205	0.199	0.0004	-2.93%	0.20%	
			24-19-340	0.347	0.334	0.0004	-3.75%	0.12%	
			24-22-025	0.025	0.025	0.0003	0.00%	1.20%	
Linearity #2	5/14/2025	ALB	24-21-200	0.205	0.198	0.0005	-3.41%	0.25%	
			24-19-340	0.347	0.334	0.0005	-3.75%	0.15%	
			24-22-025	0.025	0.025	0.0003	0.00%	1.20%	
Linearity #3	5/16/2025	ALB	24-21-200	0.205	0.198	0.0003	-3.41%	0.15%	
			24-19-340	0.347	0.333	0.0005	-4.03%	0.15%	
0.01 g/210 L Acetone in 0.08 g/210L EtOH	5/13/2025	JSD	25-02-08A01	Int. Detected?	yes				
0.02 g/210 L MeOH in H ₂ O	5/13/2025	JSD	24-25-00M02	Int. Detected?	yes				
0.01 g/210 L IPA in H ₂ O	5/13/2025	JSD	24-16-00I01	Int. Detected?	yes				

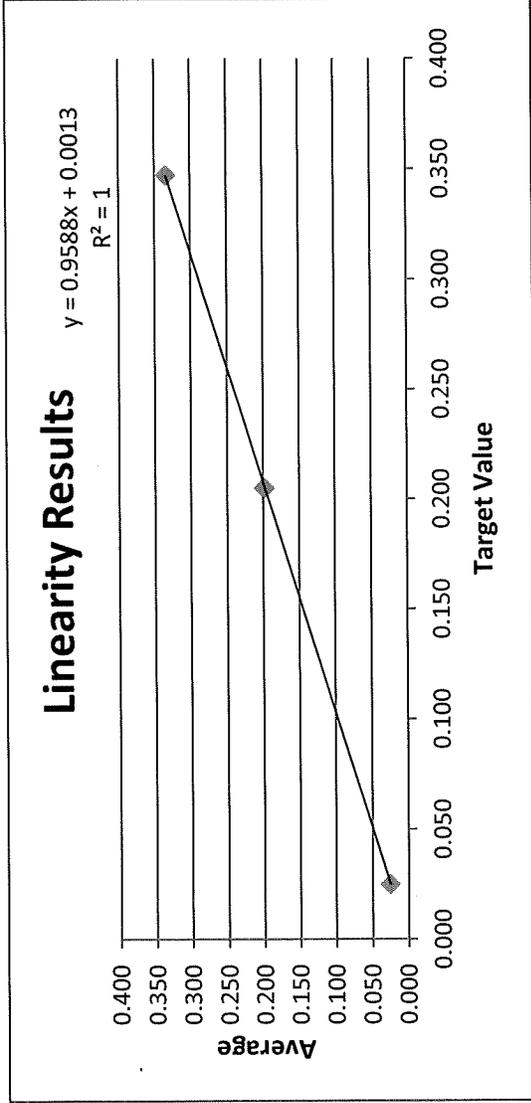
100157

JFD

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Tech Review: JFD Admin Review: JFD Director Review: JEA 5/23/2025

DMT Serial Number: 100157



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ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100157

Date: 5/13/2025

Time: 12:18:16

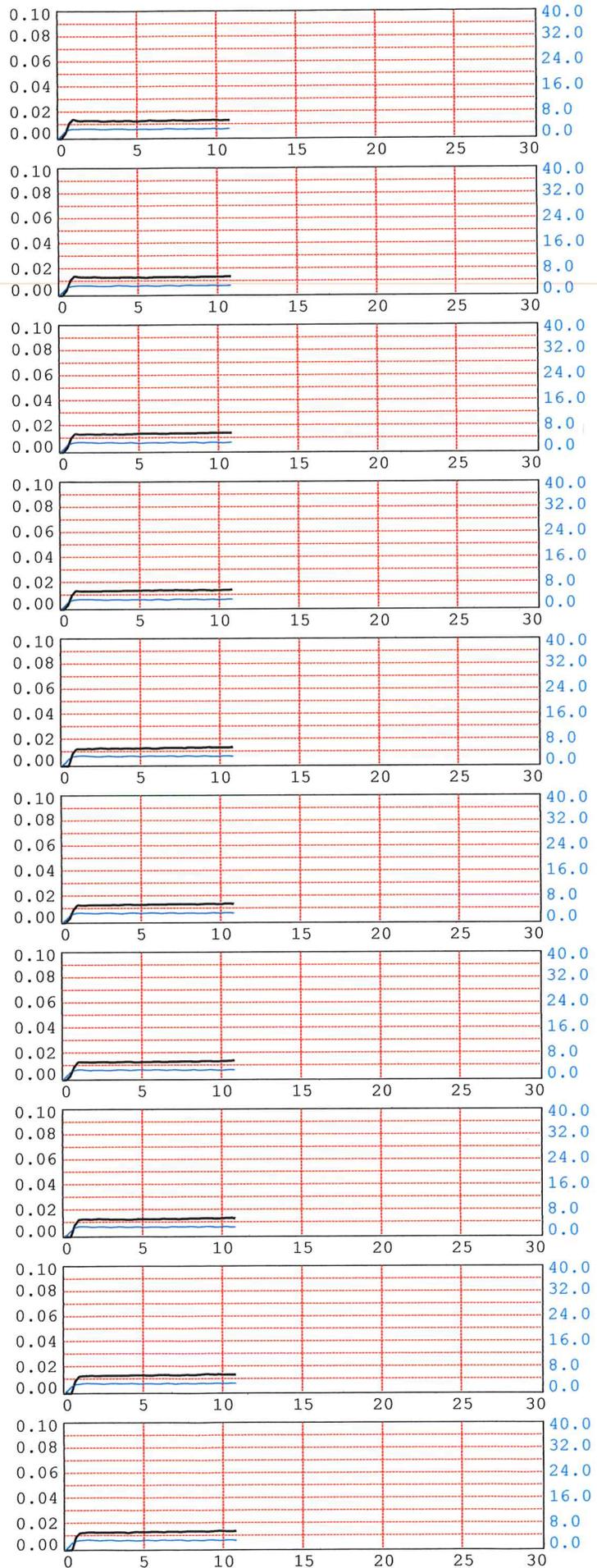
SUPERVISOR NAME:

JEFF DUKETTE

SOLUTION LOT #: 24-25-00M02

SOLUTION CONCENTRATION: 0.020

BLANK TEST 0.000 12:19
SIMULATOR VAPOR 34.0°C INTERFERENCE 12:19
X[1] = 0.0151 (-0.0071) (-0.0053)
SIMULATOR VAPOR 34.0°C INTERFERENCE 12:20
X[1] = 0.0157 (-0.0061) (-0.0053)
SIMULATOR VAPOR 34.0°C INTERFERENCE 12:21
X[1] = 0.0160 (-0.0061) (-0.0052)
SIMULATOR VAPOR 34.0°C INTERFERENCE 12:22
X[1] = 0.0159 (-0.0063) (-0.0052)
SIMULATOR VAPOR 34.0°C INTERFERENCE 12:24
X[1] = 0.0153 (-0.0071) (-0.0057)
SIMULATOR VAPOR 34.0°C INTERFERENCE 12:25
X[1] = 0.0158 (-0.0066) (-0.0058)
SIMULATOR VAPOR 34.0°C INTERFERENCE 12:26
X[1] = 0.0156 (-0.0065) (-0.0055)
SIMULATOR VAPOR 34.0°C INTERFERENCE 12:27
X[1] = 0.0153 (-0.0068) (-0.0059)
SIMULATOR VAPOR 34.0°C INTERFERENCE 12:28
X[1] = 0.0156 (-0.0067) (-0.0058)
SIMULATOR VAPOR 34.0°C INTERFERENCE 12:29
X[1] = 0.0157 (-0.0070) (-0.0059)
BLANK TEST 0.000 12:30



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JD

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ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100157

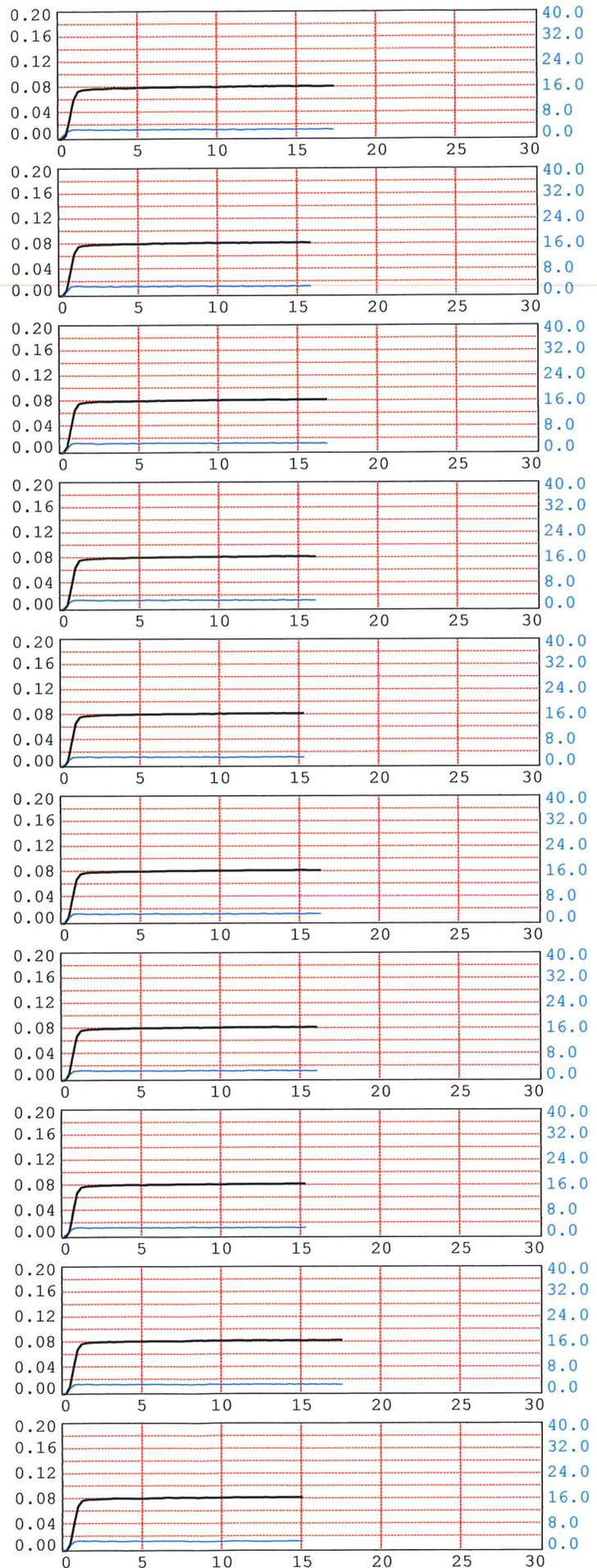
Date: 5/13/2025

Time: 12:42:52

SUPERVISOR NAME:
JEFF DUKETTE

SOLUTION LOT #: 25-02-08A01
SOLUTION CONCENTRATION: 0.010

BLANK TEST 0.000 12:43
SIMULATOR VAPOR 34.0°C INTERFERENCE 12:44
X[1] = 0.0831 (-0.0085) (0.0011)
SIMULATOR VAPOR 34.0°C INTERFERENCE 12:45
X[1] = 0.0838 (-0.0079) (0.0005)
SIMULATOR VAPOR 34.0°C INTERFERENCE 12:46
X[1] = 0.0835 (-0.0089) (0.0002)
SIMULATOR VAPOR 34.0°C INTERFERENCE 12:47
X[1] = 0.0837 (-0.0082) (-0.0003)
SIMULATOR VAPOR 34.0°C INTERFERENCE 12:49
X[1] = 0.0837 (-0.0088) (-0.0001)
SIMULATOR VAPOR 34.0°C INTERFERENCE 12:50
X[1] = 0.0836 (-0.0090) (-0.0004)
SIMULATOR VAPOR 34.0°C INTERFERENCE 12:51
X[1] = 0.0838 (-0.0087) (-0.0006)
SIMULATOR VAPOR 34.0°C INTERFERENCE 12:52
X[1] = 0.0838 (-0.0085) (0.0002)
SIMULATOR VAPOR 34.0°C INTERFERENCE 12:54
X[1] = 0.0845 (-0.0082) (0.0001)
SIMULATOR VAPOR 34.0°C INTERFERENCE 12:55
X[1] = 0.0835 (-0.0095) (-0.0006)
BLANK TEST 0.000 12:56



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JD

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ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100157

Date: 5/13/2025

Time: 12:58:29

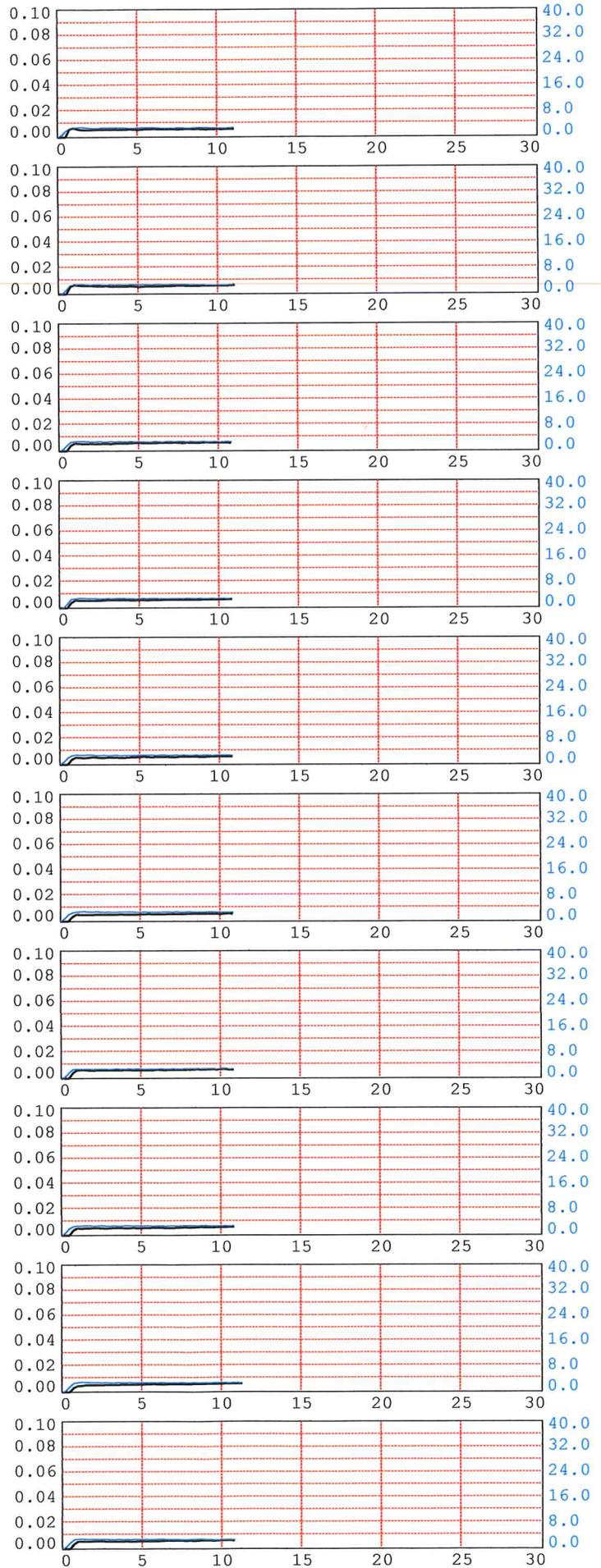
SUPERVISOR NAME:

JEFF DUKETTE

SOLUTION LOT #: 24-16-00101

SOLUTION CONCENTRATION: 0.010

BLANK TEST 0.000 12:59
SIMULATOR VAPOR 34.0°C INTERFERENCE 12:59
X[1] = 0.0071 (-0.0099) (0.0002)
SIMULATOR VAPOR 34.0°C INTERFERENCE 13:00
X[1] = 0.0074 (-0.0093) (0.0012)
SIMULATOR VAPOR 34.0°C INTERFERENCE 13:02
X[1] = 0.0074 (-0.0098) (0.0007)
SIMULATOR VAPOR 34.0°C INTERFERENCE 13:03
X[1] = 0.0078 (-0.0093) (0.0007)
SIMULATOR VAPOR 34.0°C INTERFERENCE 13:04
X[1] = 0.0071 (-0.0097) (0.0005)
SIMULATOR VAPOR 34.0°C INTERFERENCE 13:05
X[1] = 0.0071 (-0.0095) (0.0009)
SIMULATOR VAPOR 34.0°C INTERFERENCE 13:06
X[1] = 0.0079 (-0.0086) (0.0009)
SIMULATOR VAPOR 34.0°C INTERFERENCE 13:07
X[1] = 0.0072 (-0.0096) (0.0009)
SIMULATOR VAPOR 34.0°C INTERFERENCE 13:08
X[1] = 0.0073 (-0.0097) (0.0012)
SIMULATOR VAPOR 34.0°C INTERFERENCE 13:10
X[1] = 0.0074 (-0.0097) (0.0008)
BLANK TEST 0.000 13:10



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JSD

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ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100157

Date: 5/13/2025

Time: 13:36:31

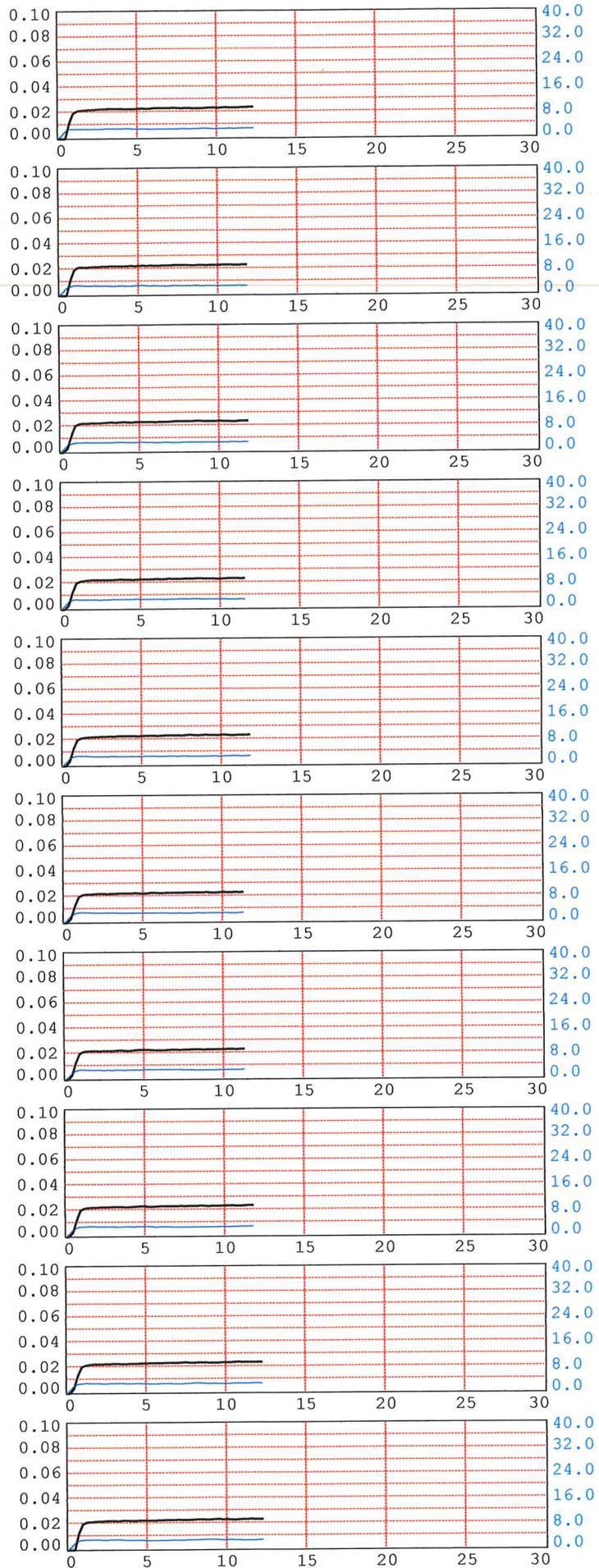
SUPERVISOR NAME:
JEFF DUKETTE

SOLUTION LOT #: 24-22-025

SOLUTION CONCENTRATION: 0.025

TEST TYPE	Temperature (°C)	Concentration	Time
BLANK TEST		0.000	13:37
SIMULATOR VAPOR	34.0	0.025	13:37
X[1] = 0.0252 (0.0000) (0.0020)			
SIMULATOR VAPOR	34.0	0.025	13:38
X[1] = 0.0249 (-0.0006) (0.0008)			
SIMULATOR VAPOR	34.0	0.026	13:40
X[1] = 0.0256 (0.0001) (0.0010)			
SIMULATOR VAPOR	34.0	0.025	13:41
X[1] = 0.0252 (-0.0011) (0.0004)			
SIMULATOR VAPOR	34.0	0.025	13:42
X[1] = 0.0251 (-0.0010) (0.0011)			
SIMULATOR VAPOR	34.0	0.025	13:43
X[1] = 0.0251 (-0.0009) (0.0007)			
SIMULATOR VAPOR	34.0	0.025	13:44
X[1] = 0.0250 (-0.0008) (0.0004)			
SIMULATOR VAPOR	34.0	0.025	13:45
X[1] = 0.0252 (-0.0006) (0.0008)			
SIMULATOR VAPOR	34.0	0.025	13:47
X[1] = 0.0252 (-0.0005) (0.0009)			
SIMULATOR VAPOR	34.0	0.025	13:48
X[1] = 0.0248 (-0.0018) (0.0006)			
BLANK TEST		0.000	13:49

Average = 0.025
Std Dev = 0.0002



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JD

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ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100157

Date: 5/13/2025

Time: 13:58:30

SUPERVISOR NAME:

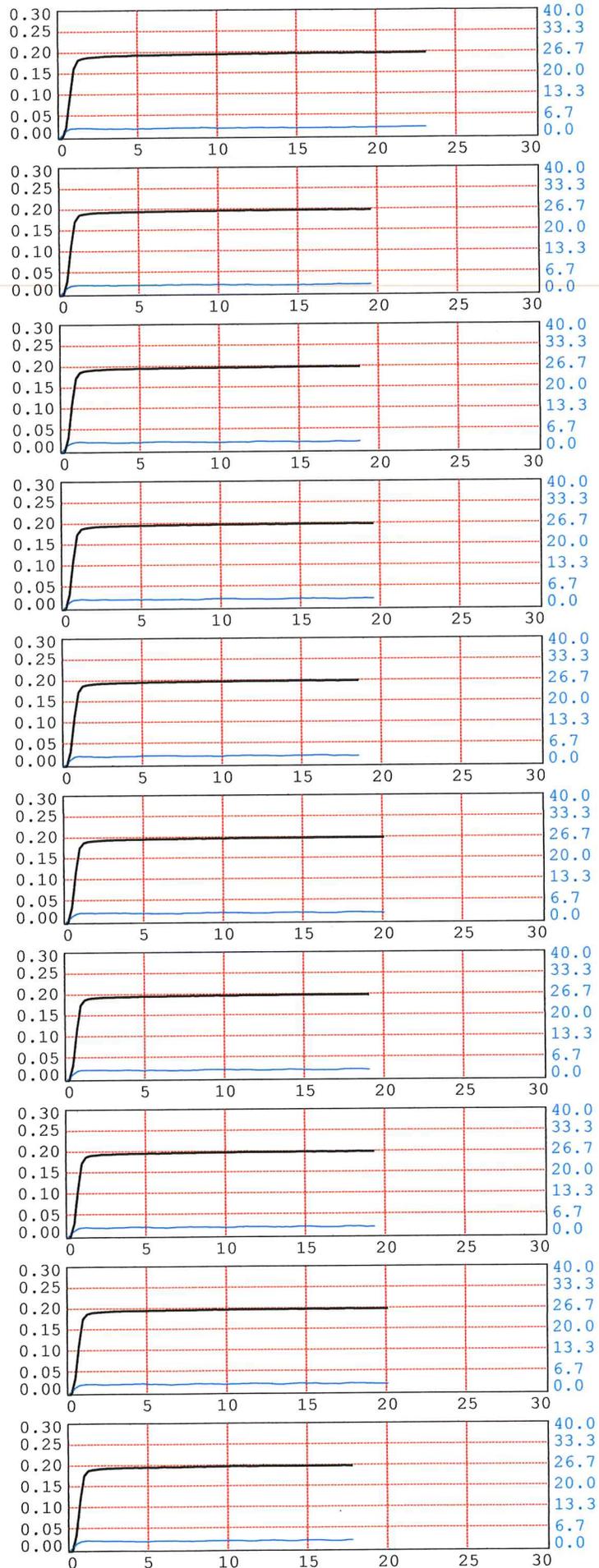
JEFF DUKETTE

SOLUTION LOT #: 24-21-200

SOLUTION CONCENTRATION: 0.205

BLANK TEST	0.000	13:59
SIMULATOR VAPOR 34.0°C	0.198	13:59
X[1] = 0.1983 (0.0006) (0.0026)		
SIMULATOR VAPOR 34.0°C	0.198	14:01
X[1] = 0.1984 (0.0016) (0.0018)		
SIMULATOR VAPOR 34.0°C	0.199	14:02
X[1] = 0.1991 (0.0014) (0.0020)		
SIMULATOR VAPOR 34.0°C	0.199	14:03
X[1] = 0.1992 (0.0015) (0.0017)		
SIMULATOR VAPOR 34.0°C	0.199	14:05
X[1] = 0.1993 (0.0020) (0.0024)		
SIMULATOR VAPOR 34.0°C	0.200	14:06
X[1] = 0.1997 (0.0018) (0.0017)		
SIMULATOR VAPOR 34.0°C	0.199	14:07
X[1] = 0.1988 (0.0010) (0.0016)		
SIMULATOR VAPOR 34.0°C	0.199	14:09
X[1] = 0.1994 (0.0011) (0.0015)		
SIMULATOR VAPOR 34.0°C	0.199	14:10
X[1] = 0.1991 (0.0015) (0.0017)		
SIMULATOR VAPOR 34.0°C	0.199	14:11
X[1] = 0.1990 (0.0008) (0.0018)		
BLANK TEST	0.000	14:12

Average = 0.199
Std Dev = 0.0004





ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100157

Date: 5/13/2025

Time: 14:15:45

SUPERVISOR NAME:

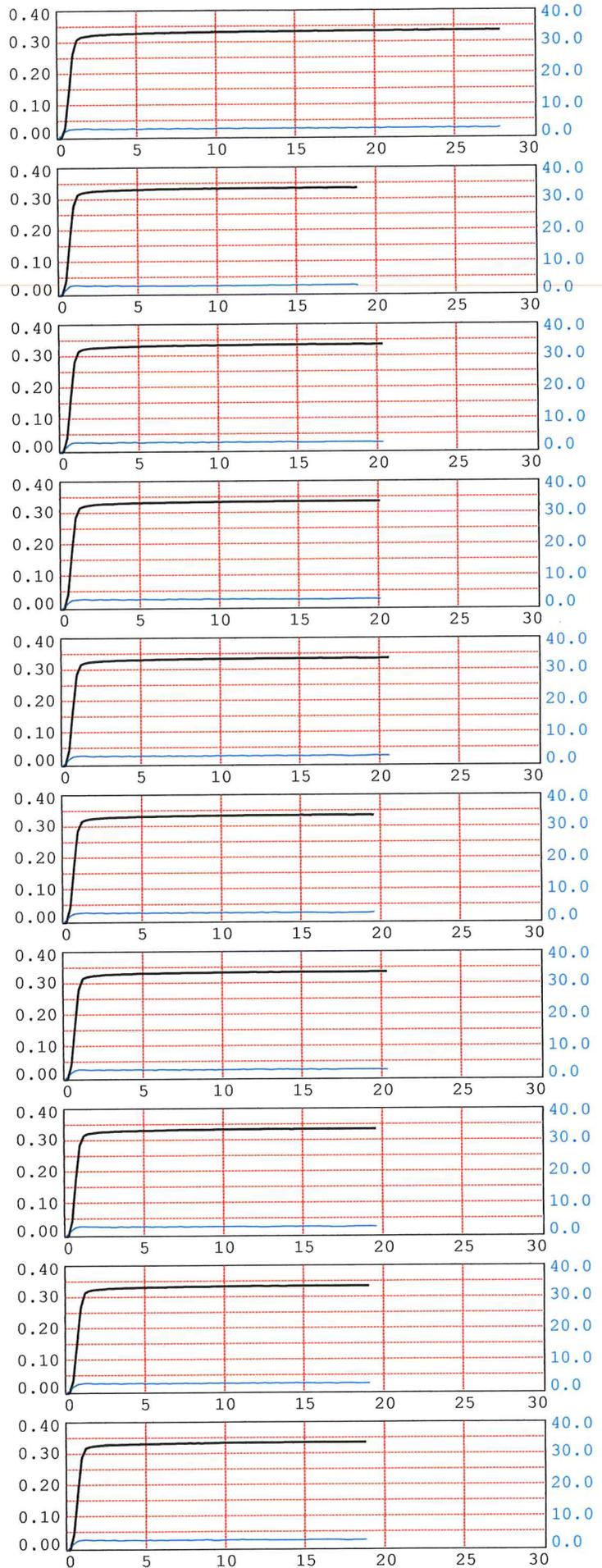
JEFF DUKETTE

SOLUTION LOT #: 24-19-340

SOLUTION CONCENTRATION: 0.347

BLANK TEST	0.000	14:16
SIMULATOR VAPOR 34.0°C	0.335	14:17
X[1] = 0.3352 (0.0048) (0.0017)		
SIMULATOR VAPOR 34.0°C	0.334	14:18
X[1] = 0.3337 (0.0032) (0.0014)		
SIMULATOR VAPOR 34.0°C	0.334	14:20
X[1] = 0.3345 (0.0041) (0.0012)		
SIMULATOR VAPOR 34.0°C	0.335	14:21
X[1] = 0.3349 (0.0047) (0.0015)		
SIMULATOR VAPOR 34.0°C	0.335	14:22
X[1] = 0.3348 (0.0046) (0.0017)		
SIMULATOR VAPOR 34.0°C	0.334	14:24
X[1] = 0.3343 (0.0042) (0.0014)		
SIMULATOR VAPOR 34.0°C	0.335	14:25
X[1] = 0.3346 (0.0039) (0.0018)		
SIMULATOR VAPOR 34.0°C	0.334	14:26
X[1] = 0.3339 (0.0030) (0.0006)		
SIMULATOR VAPOR 34.0°C	0.334	14:28
X[1] = 0.3345 (0.0038) (0.0015)		
SIMULATOR VAPOR 34.0°C	0.334	14:29
X[1] = 0.3343 (0.0042) (0.0020)		
BLANK TEST	0.000	14:30

Average = 0.334
Std Dev = 0.0004





ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100157

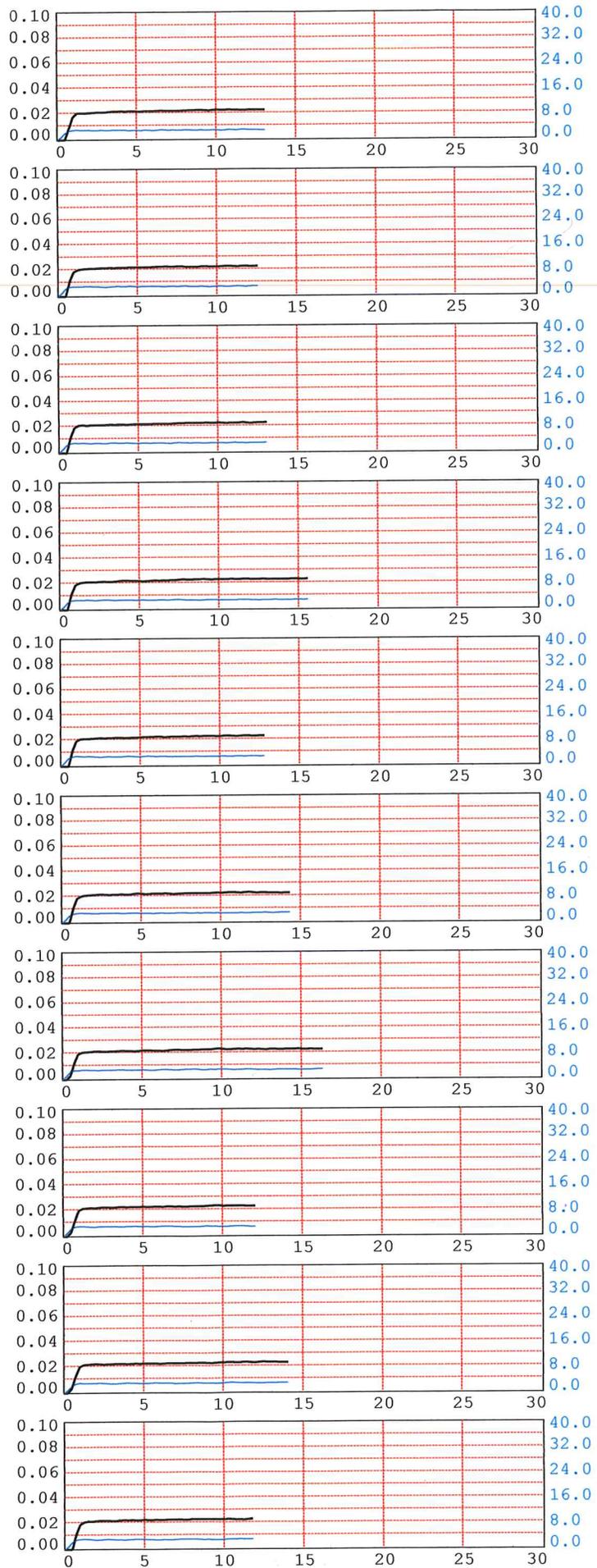
Date: 5/14/2025
Time: 09:20:54

SUPERVISOR NAME: *AB*
AMANDA BOLDUC

SOLUTION LOT #: 24-22-025
SOLUTION CONCENTRATION: 0.025

BLANK TEST	0.000	09:21
SIMULATOR VAPOR 34.0°C	0.024	09:22
X[1] = 0.0245 (-0.0003) (0.0009)		
SIMULATOR VAPOR 34.0°C	0.025	09:23
X[1] = 0.0249 (0.0000) (0.0006)		
SIMULATOR VAPOR 34.0°C	0.025	09:24
X[1] = 0.0248 (-0.0009) (0.0001)		
SIMULATOR VAPOR 34.0°C	0.025	09:25
X[1] = 0.0247 (-0.0012) (0.0000)		
SIMULATOR VAPOR 34.0°C	0.025	09:26
X[1] = 0.0246 (-0.0016) (-0.0003)		
SIMULATOR VAPOR 34.0°C	0.024	09:28
X[1] = 0.0244 (-0.0020) (0.0001)		
SIMULATOR VAPOR 34.0°C	0.024	09:29
X[1] = 0.0244 (-0.0013) (-0.0006)		
SIMULATOR VAPOR 34.0°C	0.025	09:30
X[1] = 0.0251 (-0.0001) (0.0012)		
SIMULATOR VAPOR 34.0°C	0.025	09:31
X[1] = 0.0251 (-0.0006) (0.0003)		
SIMULATOR VAPOR 34.0°C	0.024	09:32
X[1] = 0.0245 (-0.0011) (0.0000)		
BLANK TEST	0.000	09:33

Average = 0.025
Std Dev = 0.0003





ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100157

Date: 5/14/2025

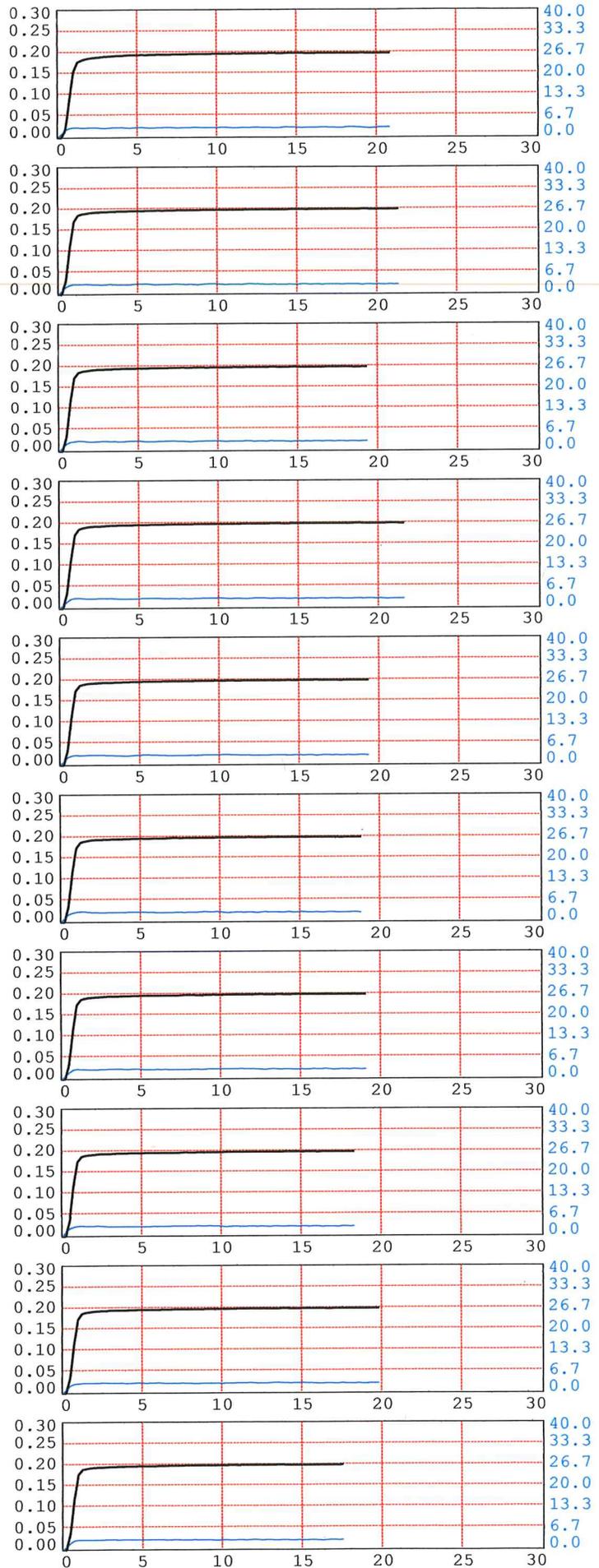
Time: 09:51:43

SUPERVISOR NAME:
AMANDA BOLDUC

SOLUTION LOT #: 24-21-200
SOLUTION CONCENTRATION: 0.205

BLANK TEST	0.000	09:52
SIMULATOR VAPOR 34.0°C	0.198	09:53
X[1] = 0.1975 (0.0013) (0.0005)		
SIMULATOR VAPOR 34.0°C	0.198	09:54
X[1] = 0.1983 (0.0027) (0.0004)		
SIMULATOR VAPOR 34.0°C	0.198	09:55
X[1] = 0.1978 (0.0014) (-0.0006)		
SIMULATOR VAPOR 34.0°C	0.199	09:57
X[1] = 0.1988 (0.0026) (-0.0002)		
SIMULATOR VAPOR 34.0°C	0.199	09:58
X[1] = 0.1990 (0.0023) (0.0006)		
SIMULATOR VAPOR 34.0°C	0.199	09:59
X[1] = 0.1987 (0.0023) (0.0000)		
SIMULATOR VAPOR 34.0°C	0.198	10:01
X[1] = 0.1985 (0.0017) (-0.0002)		
SIMULATOR VAPOR 34.0°C	0.198	10:02
X[1] = 0.1980 (0.0016) (-0.0006)		
SIMULATOR VAPOR 34.0°C	0.199	10:03
X[1] = 0.1989 (0.0024) (0.0002)		
SIMULATOR VAPOR 34.0°C	0.199	10:05
X[1] = 0.1990 (0.0029) (0.0012)		
BLANK TEST	0.000	10:06

Average = 0.198
Std Dev = 0.0005



100157

ABD

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ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100157

Date: 5/14/2025

Time: 10:07:15

SUPERVISOR NAME:
AMANDA BOLDUC

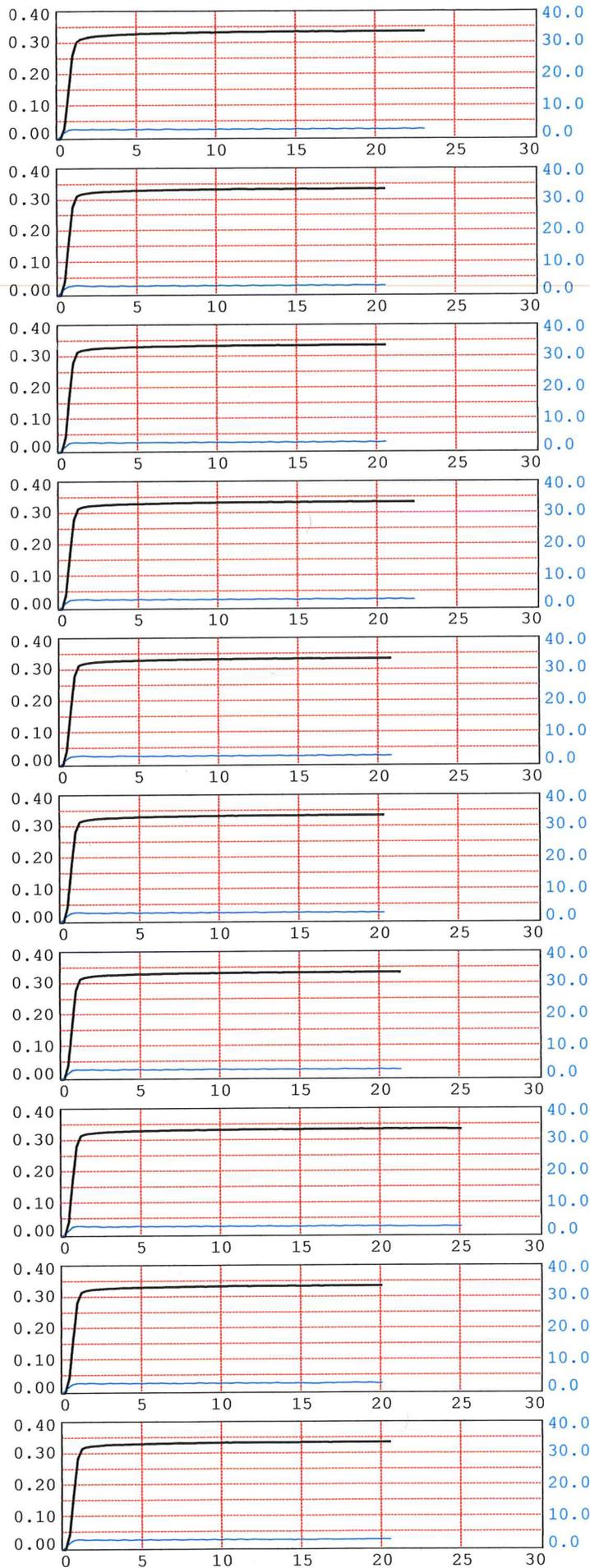
AB

SOLUTION LOT #: 24-19-340

SOLUTION CONCENTRATION: 0.347

BLANK TEST	0.000	10:08
SIMULATOR VAPOR 34.0°C	0.335	10:08
X[1] = 0.3351 (0.0041) (0.0011)		
SIMULATOR VAPOR 34.0°C	0.334	10:10
X[1] = 0.3343 (0.0049) (0.0010)		
SIMULATOR VAPOR 34.0°C	0.334	10:11
X[1] = 0.3344 (0.0055) (0.0005)		
SIMULATOR VAPOR 34.0°C	0.334	10:12
X[1] = 0.3341 (0.0051) (0.0007)		
SIMULATOR VAPOR 34.0°C	0.334	10:14
X[1] = 0.3340 (0.0043) (0.0006)		
SIMULATOR VAPOR 34.0°C	0.334	10:15
X[1] = 0.3335 (0.0032) (0.0009)		
SIMULATOR VAPOR 34.0°C	0.333	10:16
X[1] = 0.3334 (0.0045) (0.0008)		
SIMULATOR VAPOR 34.0°C	0.334	10:18
X[1] = 0.3340 (0.0046) (0.0011)		
SIMULATOR VAPOR 34.0°C	0.334	10:19
X[1] = 0.3339 (0.0040) (0.0004)		
SIMULATOR VAPOR 34.0°C	0.334	10:21
X[1] = 0.3344 (0.0052) (0.0012)		
BLANK TEST	0.000	10:22

Average = 0.334
Std Dev = 0.0005





ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100157

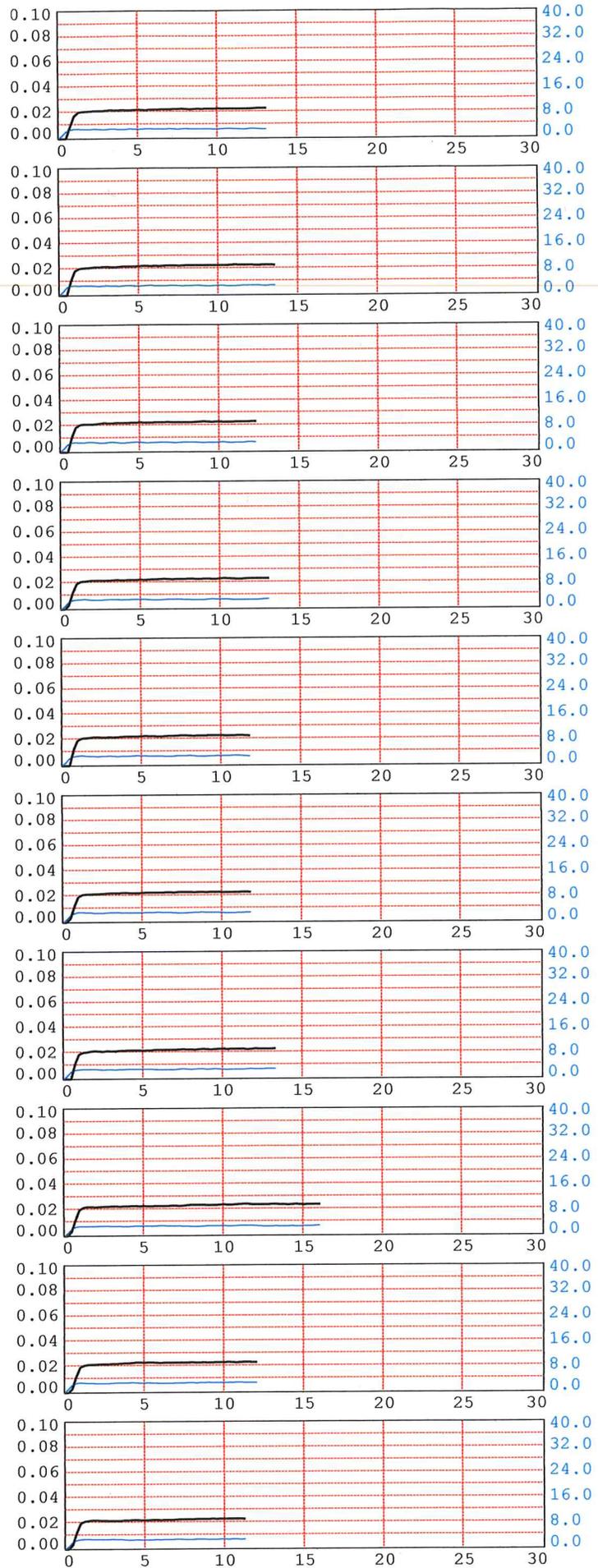
Date: 5/16/2025
Time: 09:20:06

SUPERVISOR NAME:
AMANDA BOLDUC

SOLUTION LOT #: 24-22-025
SOLUTION CONCENTRATION: 0.025

BLANK TEST	0.000	09:21
SIMULATOR VAPOR 34.0°C	0.025	09:21
X[1] = 0.0246 (0.0001) (0.0008)		
SIMULATOR VAPOR 34.0°C	0.025	09:22
X[1] = 0.0247 (0.0005) (0.0004)		
SIMULATOR VAPOR 34.0°C	0.025	09:23
X[1] = 0.0248 (0.0005) (0.0004)		
SIMULATOR VAPOR 34.0°C	0.025	09:24
X[1] = 0.0249 (0.0001) (0.0001)		
SIMULATOR VAPOR 34.0°C	0.025	09:26
X[1] = 0.0247 (-0.0001) (0.0000)		
SIMULATOR VAPOR 34.0°C	0.025	09:27
X[1] = 0.0250 (0.0001) (0.0003)		
SIMULATOR VAPOR 34.0°C	0.024	09:28
X[1] = 0.0243 (-0.0008) (-0.0003)		
SIMULATOR VAPOR 34.0°C	0.025	09:29
X[1] = 0.0254 (0.0006) (0.0003)		
SIMULATOR VAPOR 34.0°C	0.025	09:30
X[1] = 0.0250 (-0.0002) (-0.0001)		
SIMULATOR VAPOR 34.0°C	0.025	09:32
X[1] = 0.0251 (0.0003) (0.0002)		
BLANK TEST	0.000	09:32

Average = 0.025
Std Dev = 0.0003



100157

ABD

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ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100157

Date: 5/16/2025

Time: 09:34:52

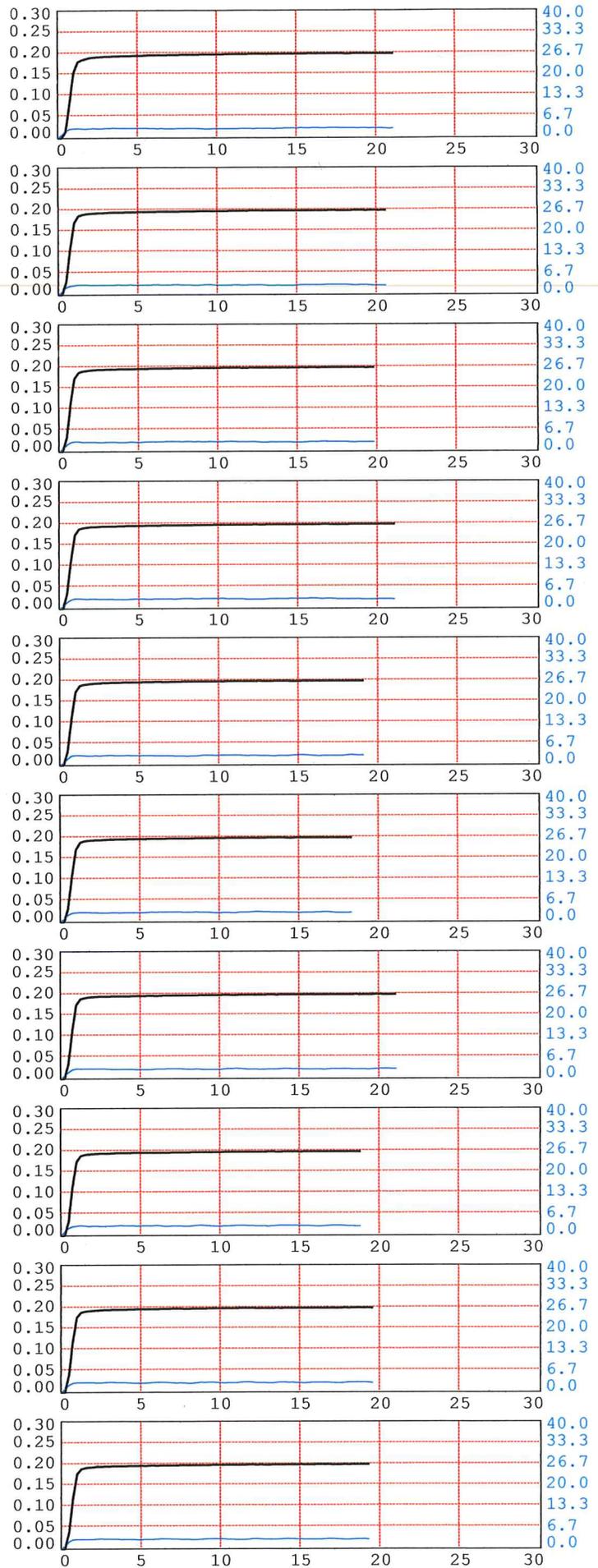
SUPERVISOR NAME:
AMANDA BOLDUC

SOLUTION LOT #: 24-21-200

SOLUTION CONCENTRATION: 0.205

BLANK TEST	0.000	09:35
SIMULATOR VAPOR 34.0°C	0.198	09:36
X[1] = 0.1985 (0.0025) (0.0008)		
SIMULATOR VAPOR 34.0°C	0.198	09:37
X[1] = 0.1981 (0.0023) (-0.0002)		
SIMULATOR VAPOR 34.0°C	0.198	09:38
X[1] = 0.1981 (0.0020) (-0.0001)		
SIMULATOR VAPOR 34.0°C	0.198	09:40
X[1] = 0.1982 (0.0021) (-0.0003)		
SIMULATOR VAPOR 34.0°C	0.198	09:41
X[1] = 0.1982 (0.0021) (0.0001)		
SIMULATOR VAPOR 34.0°C	0.198	09:43
X[1] = 0.1981 (0.0025) (0.0000)		
SIMULATOR VAPOR 34.0°C	0.198	09:44
X[1] = 0.1985 (0.0018) (0.0003)		
SIMULATOR VAPOR 34.0°C	0.198	09:45
X[1] = 0.1975 (0.0012) (-0.0009)		
SIMULATOR VAPOR 34.0°C	0.198	09:47
X[1] = 0.1985 (0.0027) (-0.0001)		
SIMULATOR VAPOR 34.0°C	0.198	09:48
X[1] = 0.1984 (0.0027) (0.0004)		
BLANK TEST	0.000	09:49

Average = 0.198
Std Dev = 0.0003





ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100157

Date: 5/16/2025

Time: 09:59:33

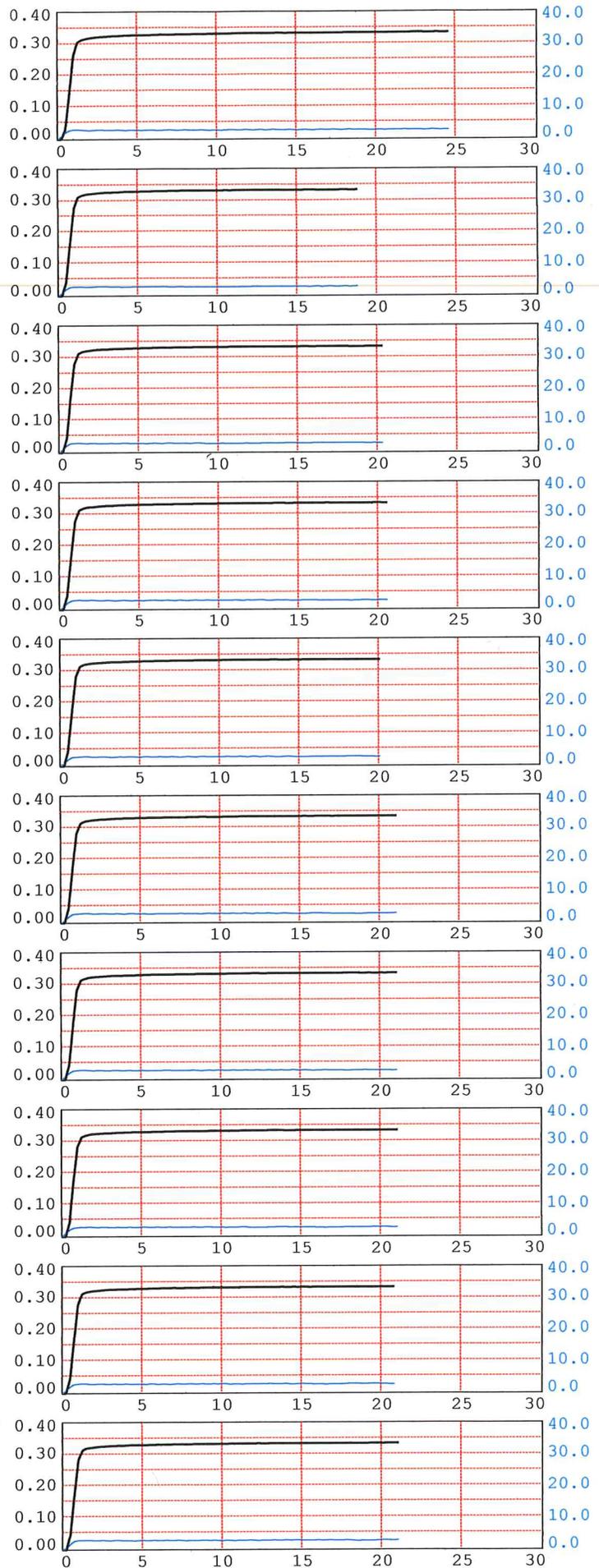
SUPERVISOR NAME:
AMANDA BOLDUC

SOLUTION LOT #: 24-19-340

SOLUTION CONCENTRATION: 0.347

TEST TYPE	Concentration	Time
BLANK TEST	0.000	10:00
SIMULATOR VAPOR 34.0°C	0.333	10:01
SIMULATOR VAPOR 34.0°C	0.332	10:02
SIMULATOR VAPOR 34.0°C	0.332	10:03
SIMULATOR VAPOR 34.0°C	0.333	10:05
SIMULATOR VAPOR 34.0°C	0.332	10:06
SIMULATOR VAPOR 34.0°C	0.333	10:07
SIMULATOR VAPOR 34.0°C	0.333	10:09
SIMULATOR VAPOR 34.0°C	0.332	10:10
SIMULATOR VAPOR 34.0°C	0.333	10:11
SIMULATOR VAPOR 34.0°C	0.333	10:13
BLANK TEST	0.000	10:14

Average = 0.333
Std Dev = 0.0005



100157

ABD

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