

DMT Verification Summary

DMT Serial Number: 100145

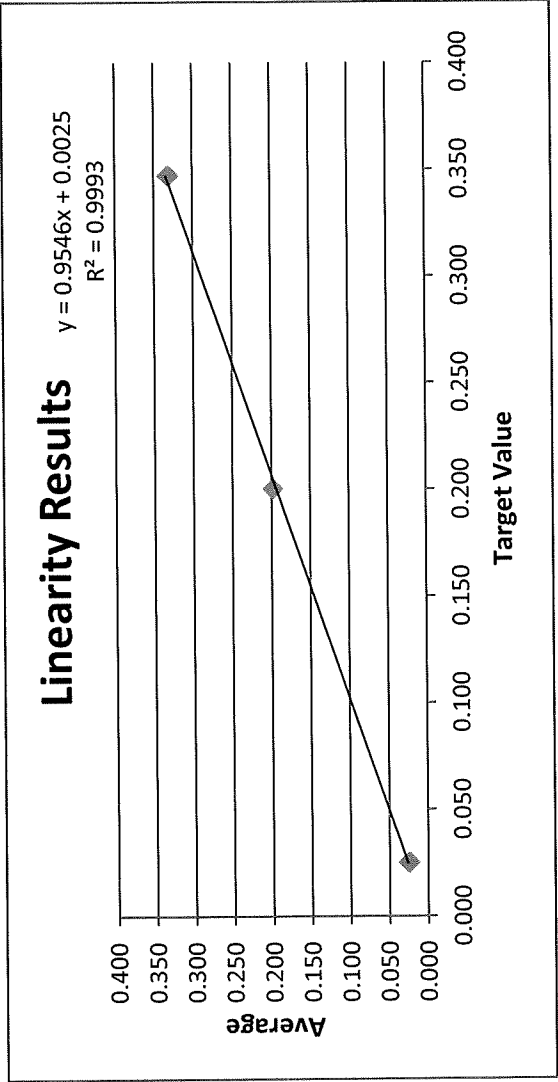
	Date	Initial	Solution Lot #	Target	Result	St. Dev.	Bias	% CV	Notes
Adjustment	1/21/2025	JSD	24-06-100	Cal Factor:	0.951409				
Calibration	1/21/2025	JSD							
MCS Check	1/21/2025	JSD	24GP41260	0.100	0.096	0.0006	-4.00%	0.63%	
Linearity #1	1/21/2025	JSD	24-03-025	0.025	0.024	0.0002	-4.00%	0.83%	
			24-04-200	0.200	0.198	0.0005	-1.00%	0.25%	
			24-19-340	0.347	0.332	0.0004	-4.32%	0.12%	
			24-03-025	0.025	0.024	0.0003	-4.00%	1.25%	
Linearity #2	1/22/2025	JSD	24-04-200	0.200	0.198	0.0005	-1.00%	0.25%	
			24-19-340	0.347	0.331	0.0004	-4.61%	0.12%	
			24-03-025	0.025	0.025	0.0003	0.00%	1.20%	
Linearity #3	1/23/2025	JSD	24-04-200	0.200	0.198	0.0004	-1.00%	0.20%	
			24-19-340	0.347	0.331	0.0005	-4.61%	0.15%	
			24-14-08A01	Int. Detected?	yes				
0.01 g/210 L Acetone in 0.08 g/210L EtOH	1/21/2025	JSD	24-14-08A01	Int. Detected?	yes				
0.02 g/210 L MeOH in H ₂ O	1/21/2025	JSD	24-25-00M02	Int. Detected?	yes				
0.01 g/210 L IPA in H ₂ O	1/21/2025	JSD	24-16-00I01	Int. Detected?	yes				

Tech Review:

Admin Review:

Director Review:

DMT Serial Number: 100145



100145

jsd



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100145

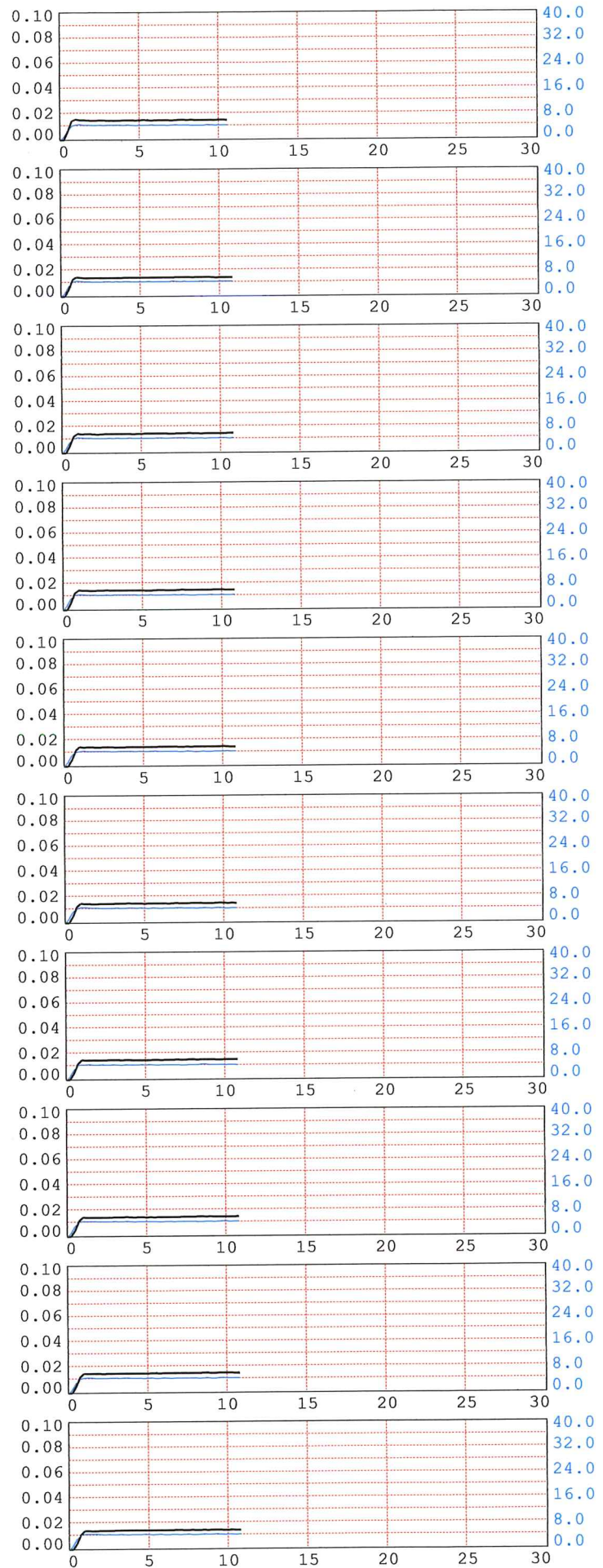
Date: 1/21/2025

Time: 14:01:17

SUPERVISOR NAME:
JEFFERY DUKETTE

SOLUTION LOT #: 24-25-00M02
SOLUTION CONCENTRATION: 0.020

BLANK TEST 0.000 14:02
SIMULATOR VAPOR 34.0°C INTERFERENCE 14:02
X[1] = 0.0167 (-0.0057) (-0.0037)
SIMULATOR VAPOR 34.0°C INTERFERENCE 14:03
X[1] = 0.0159 (-0.0058) (-0.0039)
SIMULATOR VAPOR 34.0°C INTERFERENCE 14:04
X[1] = 0.0164 (-0.0044) (-0.0038)
SIMULATOR VAPOR 34.0°C INTERFERENCE 14:05
X[1] = 0.0166 (-0.0044) (-0.0041)
SIMULATOR VAPOR 34.0°C INTERFERENCE 14:07
X[1] = 0.0162 (-0.0056) (-0.0040)
SIMULATOR VAPOR 34.0°C INTERFERENCE 14:08
X[1] = 0.0164 (-0.0052) (-0.0046)
SIMULATOR VAPOR 34.0°C INTERFERENCE 14:09
X[1] = 0.0164 (-0.0053) (-0.0042)
SIMULATOR VAPOR 34.0°C INTERFERENCE 14:10
X[1] = 0.0161 (-0.0057) (-0.0042)
SIMULATOR VAPOR 34.0°C INTERFERENCE 14:11
X[1] = 0.0165 (-0.0051) (-0.0035)
SIMULATOR VAPOR 34.0°C INTERFERENCE 14:12
X[1] = 0.0159 (-0.0059) (-0.0048)
BLANK TEST 0.000 14:13





ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100145

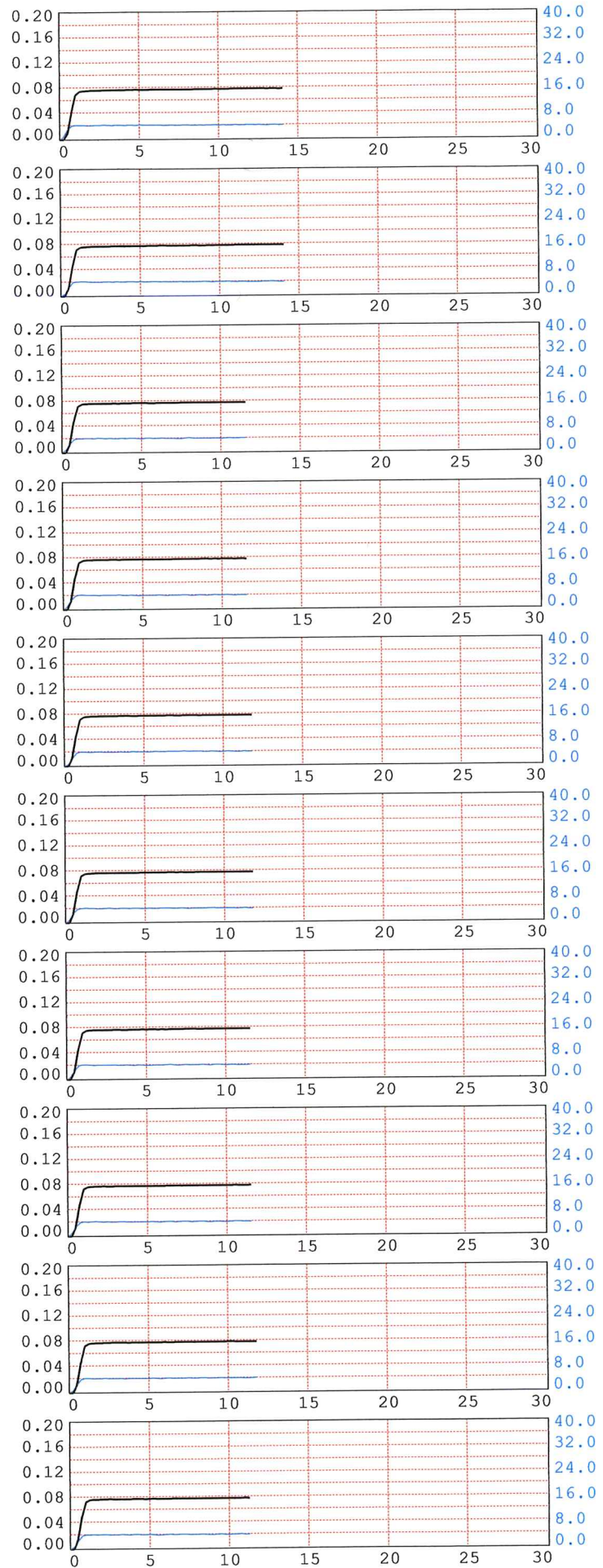
Date: 1/21/2025

Time: 14:38:30

SUPERVISOR NAME:
JEFFERY DUKETTE

SOLUTION LOT #: 24-14-08A01
SOLUTION CONCENTRATION: 0.010

BLANK TEST 0.000 14:39
SIMULATOR VAPOR 34.0°C INTERFERENCE 14:39
X[1] = 0.0802 (-0.0060) (0.0014)
SIMULATOR VAPOR 34.0°C INTERFERENCE 14:41
X[1] = 0.0807 (-0.0060) (0.0015)
SIMULATOR VAPOR 34.0°C INTERFERENCE 14:42
X[1] = 0.0799 (-0.0070) (0.0007)
SIMULATOR VAPOR 34.0°C INTERFERENCE 14:43
X[1] = 0.0800 (-0.0065) (0.0004)
SIMULATOR VAPOR 34.0°C INTERFERENCE 14:44
X[1] = 0.0802 (-0.0073) (0.0006)
SIMULATOR VAPOR 34.0°C INTERFERENCE 14:45
X[1] = 0.0799 (-0.0073) (0.0007)
SIMULATOR VAPOR 34.0°C INTERFERENCE 14:46
X[1] = 0.0797 (-0.0069) (0.0005)
SIMULATOR VAPOR 34.0°C INTERFERENCE 14:48
X[1] = 0.0798 (-0.0063) (0.0006)
SIMULATOR VAPOR 34.0°C INTERFERENCE 14:49
X[1] = 0.0801 (-0.0069) (0.0009)
SIMULATOR VAPOR 34.0°C INTERFERENCE 14:50
X[1] = 0.0798 (-0.0071) (0.0002)
BLANK TEST 0.000 14:51





ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100145

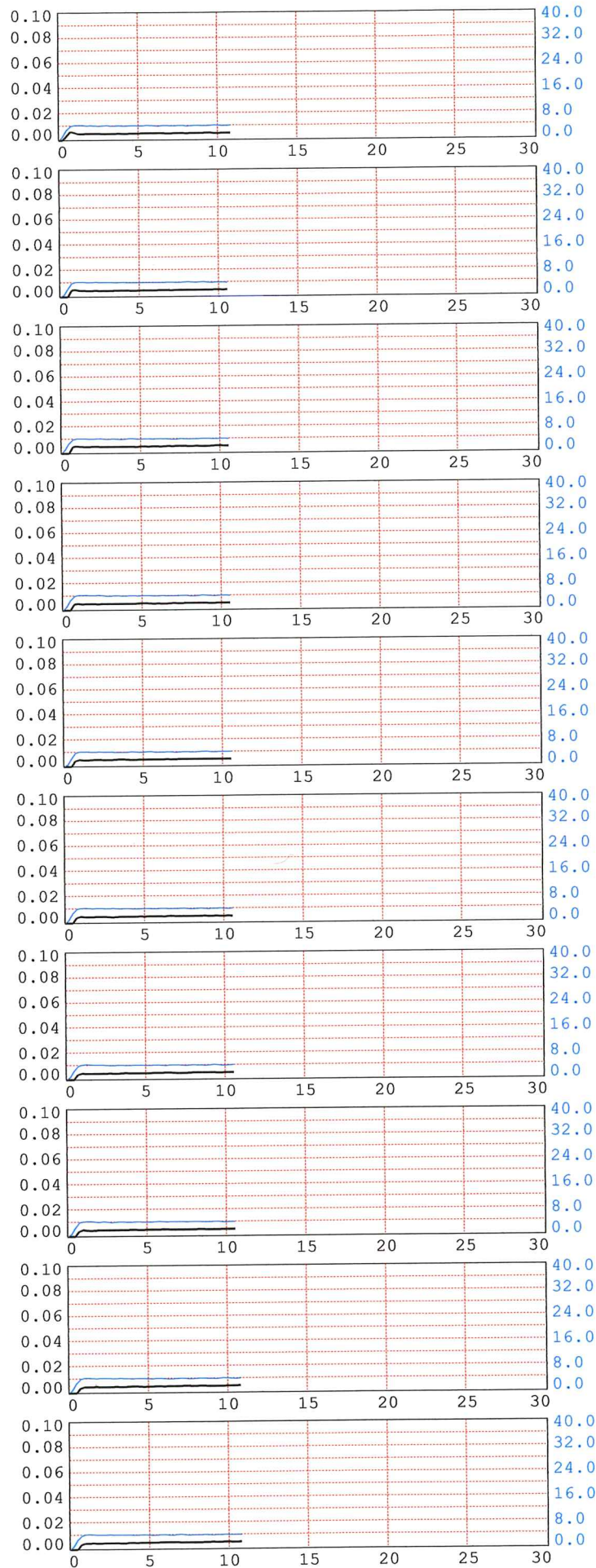
Date: 1/21/2025

Time: 14:55:18

SUPERVISOR NAME:
JEFFERY DUKETTE

SOLUTION LOT #: 24-16-00101
SOLUTION CONCENTRATION: 0.010

BLANK TEST	0.000	14:56
SIMULATOR VAPOR 34.0°C INTERFERENCE		14:56
X[1] = 0.0062 (-0.0073) (0.0019)		
SIMULATOR VAPOR 34.0°C INTERFERENCE		14:57
X[1] = 0.0062 (-0.0073) (0.0014)		
SIMULATOR VAPOR 34.0°C INTERFERENCE		14:58
X[1] = 0.0064 (-0.0075) (0.0016)		
SIMULATOR VAPOR 34.0°C INTERFERENCE		14:59
X[1] = 0.0062 (-0.0075) (0.0011)		
SIMULATOR VAPOR 34.0°C INTERFERENCE		15:01
X[1] = 0.0066 (-0.0067) (0.0017)		
SIMULATOR VAPOR 34.0°C INTERFERENCE		15:02
X[1] = 0.0062 (-0.0068) (0.0015)		
SIMULATOR VAPOR 34.0°C INTERFERENCE		15:03
X[1] = 0.0060 (-0.0075) (0.0013)		
SIMULATOR VAPOR 34.0°C INTERFERENCE		15:04
X[1] = 0.0064 (-0.0075) (0.0016)		
SIMULATOR VAPOR 34.0°C INTERFERENCE		15:05
X[1] = 0.0061 (-0.0074) (0.0010)		
SIMULATOR VAPOR 34.0°C INTERFERENCE		15:06
X[1] = 0.0063 (-0.0070) (0.0014)		
BLANK TEST	0.000	15:07





ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100145

Date: 1/21/2025

Time: 15:15:10

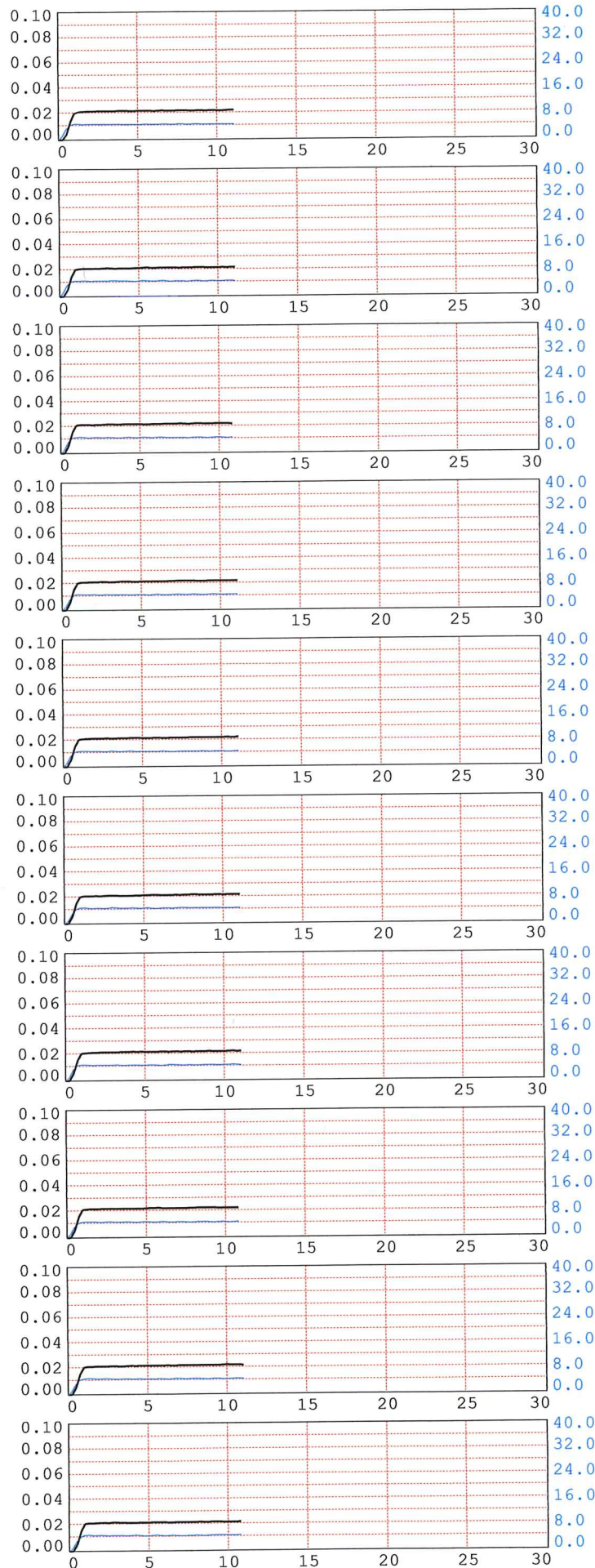
SUPERVISOR NAME:
JEFFERY DUKETE

SOLUTION LOT #: 24-03-025

SOLUTION CONCENTRATION: 0.025

BLANK TEST	0.000	15:16
SIMULATOR VAPOR 34.0°C	0.024	15:16
X[1] = 0.0236 (0.0001) (0.0017)		
SIMULATOR VAPOR 34.0°C	0.024	15:17
X[1] = 0.0235 (0.0000) (0.0010)		
SIMULATOR VAPOR 34.0°C	0.024	15:18
X[1] = 0.0237 (0.0003) (0.0015)		
SIMULATOR VAPOR 34.0°C	0.024	15:19
X[1] = 0.0236 (-0.0002) (0.0013)		
SIMULATOR VAPOR 34.0°C	0.024	15:21
X[1] = 0.0237 (-0.0003) (0.0013)		
SIMULATOR VAPOR 34.0°C	0.023	15:22
X[1] = 0.0233 (-0.0002) (0.0010)		
SIMULATOR VAPOR 34.0°C	0.024	15:23
X[1] = 0.0236 (-0.0002) (0.0014)		
SIMULATOR VAPOR 34.0°C	0.024	15:24
X[1] = 0.0240 (0.0002) (0.0016)		
SIMULATOR VAPOR 34.0°C	0.024	15:25
X[1] = 0.0236 (0.0000) (0.0016)		
SIMULATOR VAPOR 34.0°C	0.023	15:26
X[1] = 0.0232 (-0.0007) (0.0004)		
BLANK TEST	0.000	15:27

Average = 0.024
Std Dev = 0.0002





ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100145

Date: 1/21/2025

Time: 15:45:03

SUPERVISOR NAME:

JEFFERY DUKETTE

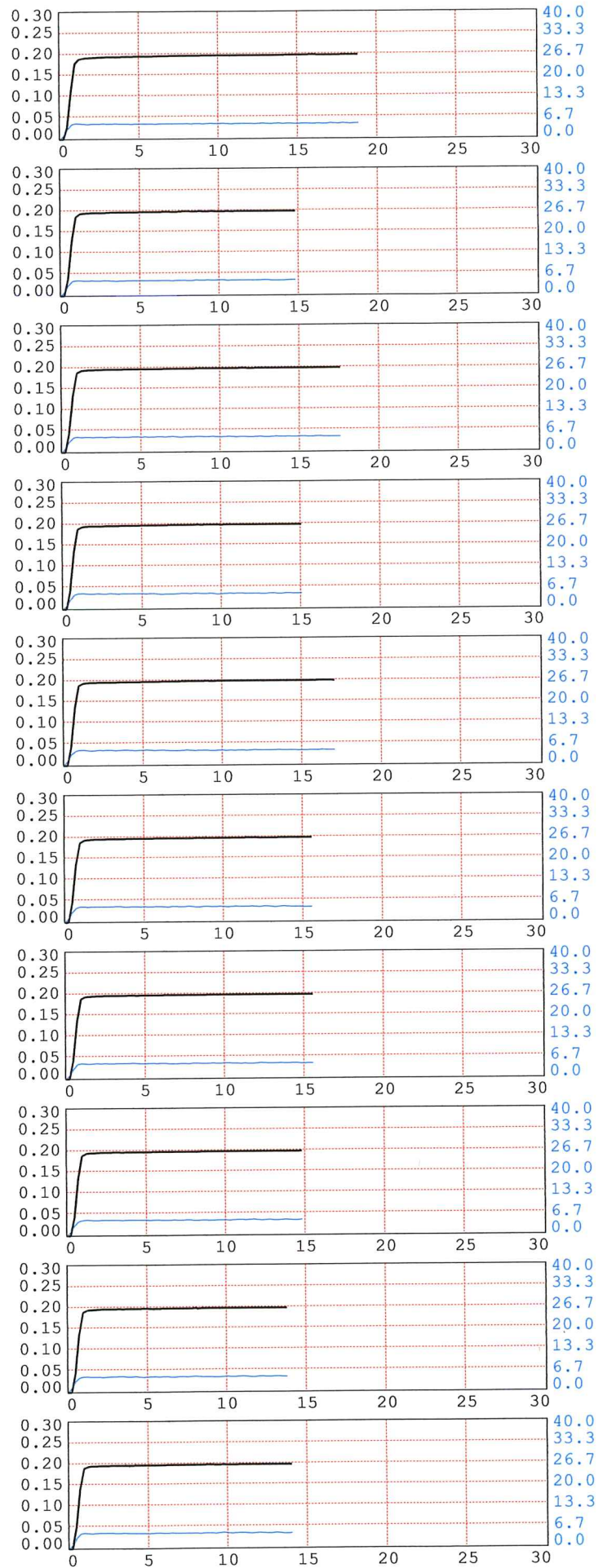
SOLUTION LOT #: 24-04-200

SOLUTION CONCENTRATION: 0.200

BLANK TEST	0.000	15:46
SIMULATOR VAPOR 34.0°C	0.198	15:46
X[1] = 0.1978 (0.0010) (0.0022)		
SIMULATOR VAPOR 34.0°C	0.198	15:47
X[1] = 0.1982 (0.0009) (0.0018)		
SIMULATOR VAPOR 34.0°C	0.198	15:48
X[1] = 0.1981 (0.0008) (0.0019)		
SIMULATOR VAPOR 34.0°C	0.199	15:50
X[1] = 0.1987 (0.0009) (0.0012)		
SIMULATOR VAPOR 34.0°C	0.199	15:51
X[1] = 0.1992 (0.0014) (0.0014)		
SIMULATOR VAPOR 34.0°C	0.199	15:52
X[1] = 0.1988 (0.0013) (0.0016)		
SIMULATOR VAPOR 34.0°C	0.198	15:54
X[1] = 0.1978 (0.0002) (0.0010)		
SIMULATOR VAPOR 34.0°C	0.198	15:55
X[1] = 0.1979 (0.0006) (0.0013)		
SIMULATOR VAPOR 34.0°C	0.198	15:56
X[1] = 0.1980 (0.0010) (0.0011)		
SIMULATOR VAPOR 34.0°C	0.197	15:57
X[1] = 0.1974 (0.0006) (0.0015)		
BLANK TEST	0.000	15:58

Average = 0.198

Std Dev = 0.0005





ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100145

Date: 1/21/2025

Time: 16:00:27

SUPERVISOR NAME:

JEFFERY DUKETTE

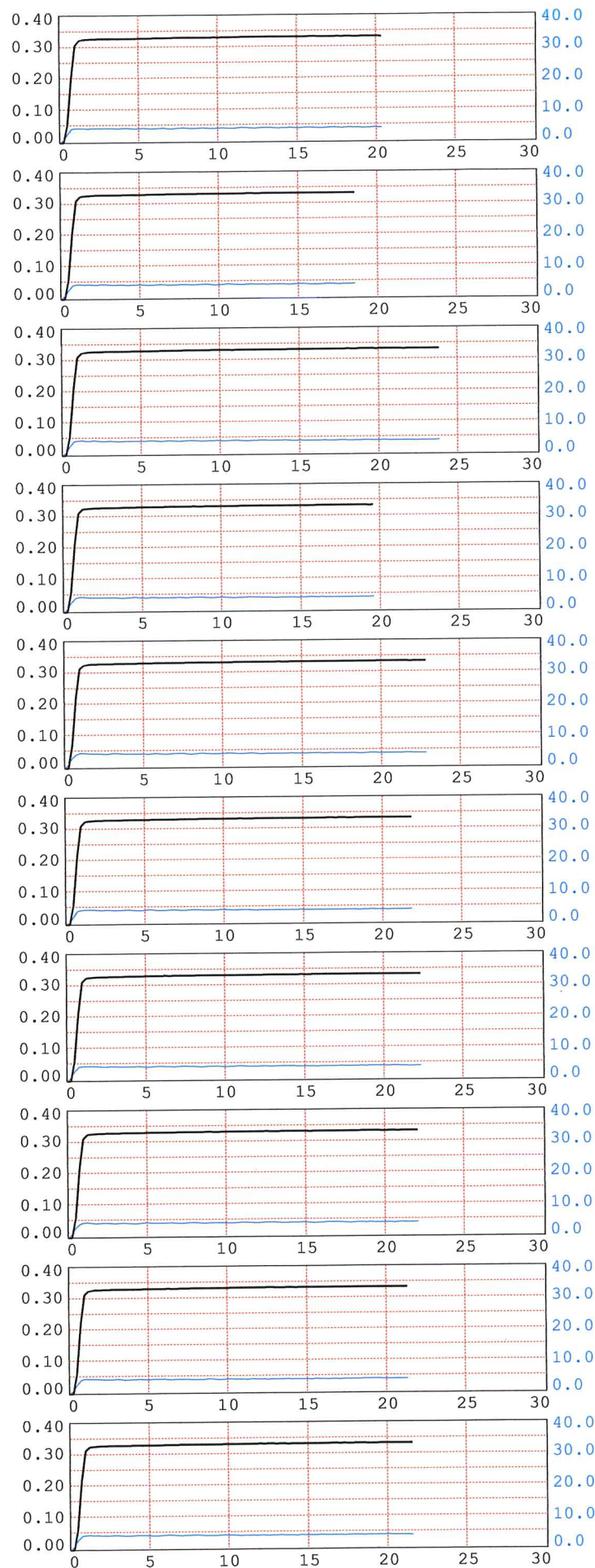
SOLUTION LOT #: 24-19-340

SOLUTION CONCENTRATION: 0.347

BLANK TEST	0.000	16:01
SIMULATOR VAPOR 34.0°C	0.331	16:01
X[1] = 0.3311 (0.0028) (0.0025)		
SIMULATOR VAPOR 34.0°C	0.331	16:03
X[1] = 0.3313 (0.0026) (0.0028)		
SIMULATOR VAPOR 34.0°C	0.332	16:04
X[1] = 0.3315 (0.0025) (0.0024)		
SIMULATOR VAPOR 34.0°C	0.332	16:05
X[1] = 0.3320 (0.0031) (0.0031)		
SIMULATOR VAPOR 34.0°C	0.332	16:07
X[1] = 0.3325 (0.0036) (0.0033)		
SIMULATOR VAPOR 34.0°C	0.332	16:08
X[1] = 0.3319 (0.0034) (0.0027)		
SIMULATOR VAPOR 34.0°C	0.332	16:10
X[1] = 0.3318 (0.0043) (0.0033)		
SIMULATOR VAPOR 34.0°C	0.332	16:11
X[1] = 0.3321 (0.0033) (0.0030)		
SIMULATOR VAPOR 34.0°C	0.332	16:12
X[1] = 0.3317 (0.0031) (0.0030)		
SIMULATOR VAPOR 34.0°C	0.331	16:14
X[1] = 0.3313 (0.0025) (0.0027)		
BLANK TEST	0.000	16:15

Average = 0.332

Std Dev = 0.0004





ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100145

Date: 1/22/2025

Time: 08:21:46

SUPERVISOR NAME:

JEFFERY DUKETTE

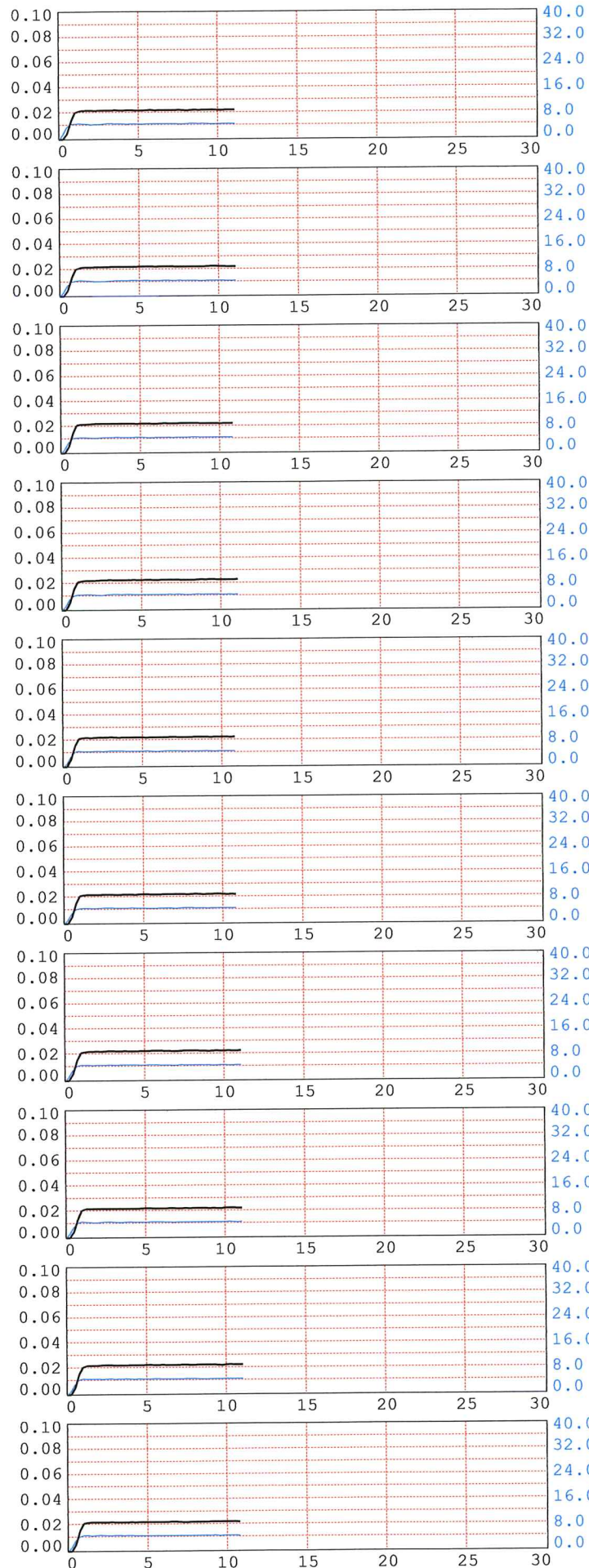
SOLUTION LOT #: 24-03-025

SOLUTION CONCENTRATION: 0.025

BLANK TEST	0.000	08:22
SIMULATOR VAPOR 34.0°C	0.024	08:23
X[1] = 0.0240 (-0.0015) (0.0006)		
SIMULATOR VAPOR 34.0°C	0.024	08:24
X[1] = 0.0244 (-0.0015) (0.0005)		
SIMULATOR VAPOR 34.0°C	0.024	08:25
X[1] = 0.0243 (-0.0017) (0.0004)		
SIMULATOR VAPOR 34.0°C	0.025	08:26
X[1] = 0.0249 (-0.0010) (0.0003)		
SIMULATOR VAPOR 34.0°C	0.024	08:27
X[1] = 0.0244 (-0.0017) (0.0001)		
SIMULATOR VAPOR 34.0°C	0.024	08:28
X[1] = 0.0242 (-0.0019) (0.0001)		
SIMULATOR VAPOR 34.0°C	0.025	08:29
X[1] = 0.0246 (-0.0015) (0.0006)		
SIMULATOR VAPOR 34.0°C	0.024	08:31
X[1] = 0.0242 (-0.0019) (0.0002)		
SIMULATOR VAPOR 34.0°C	0.024	08:32
X[1] = 0.0244 (-0.0027) (0.0007)		
SIMULATOR VAPOR 34.0°C	0.024	08:33
X[1] = 0.0241 (-0.0012) (0.0002)		
BLANK TEST	0.000	08:34

Average = 0.024

Std Dev = 0.0003





ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100145

Date: 1/22/2025

Time: 08:36:18

SUPERVISOR NAME:

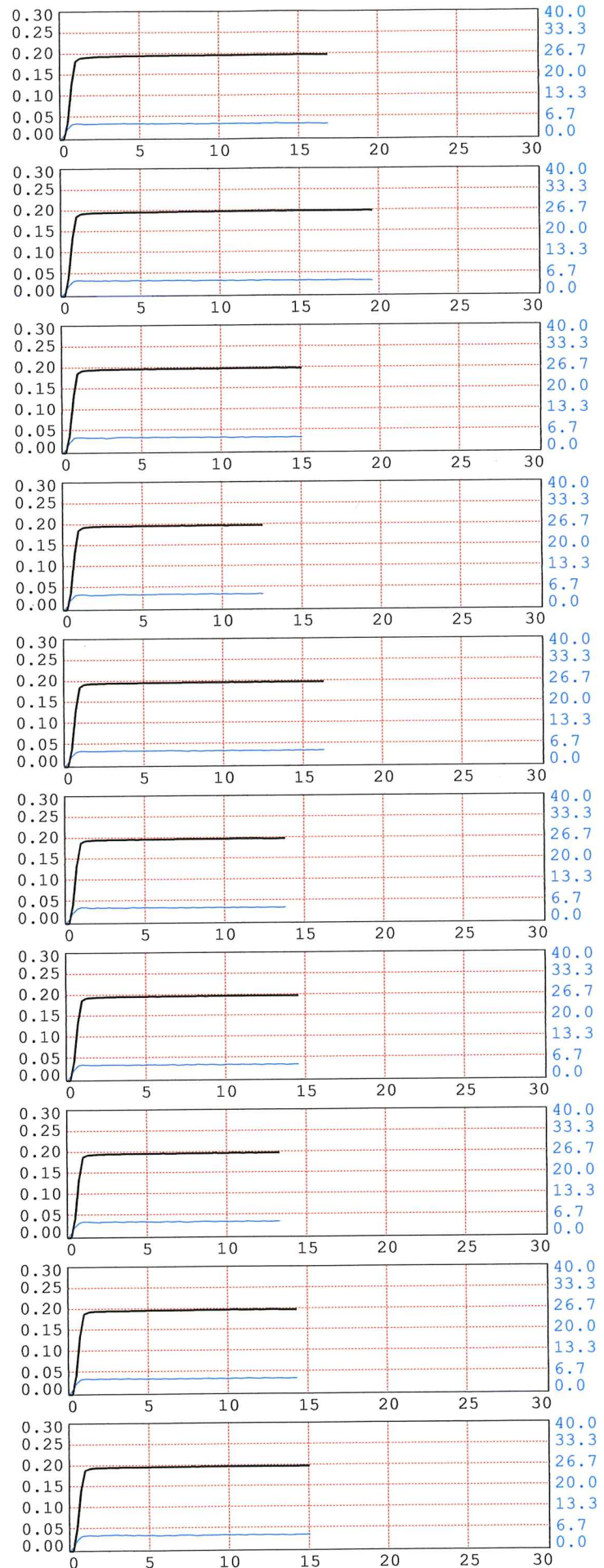
JEFFERY DUKETTE

SOLUTION LOT #: 24-04-200

SOLUTION CONCENTRATION: 0.200

BLANK TEST	0.000	08:37
SIMULATOR VAPOR 34.0°C	0.198	08:37
X[1] = 0.1979 (-0.0006) (0.0015)		
SIMULATOR VAPOR 34.0°C	0.199	08:39
X[1] = 0.1989 (0.0009) (0.0017)		
SIMULATOR VAPOR 34.0°C	0.198	08:40
X[1] = 0.1984 (0.0003) (0.0016)		
SIMULATOR VAPOR 34.0°C	0.198	08:41
X[1] = 0.1975 (-0.0003) (0.0011)		
SIMULATOR VAPOR 34.0°C	0.198	08:42
X[1] = 0.1975 (-0.0002) (0.0014)		
SIMULATOR VAPOR 34.0°C	0.198	08:43
X[1] = 0.1983 (0.0001) (0.0019)		
SIMULATOR VAPOR 34.0°C	0.198	08:45
X[1] = 0.1981 (-0.0002) (0.0021)		
SIMULATOR VAPOR 34.0°C	0.197	08:46
X[1] = 0.1973 (0.0000) (0.0016)		
SIMULATOR VAPOR 34.0°C	0.198	08:47
X[1] = 0.1980 (0.0004) (0.0013)		
SIMULATOR VAPOR 34.0°C	0.198	08:48
X[1] = 0.1982 (0.0000) (0.0024)		
BLANK TEST	0.000	08:49

Average = 0.198
Std Dev = 0.0005





ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100145

Date: 1/22/2025

Time: 08:51:45

SUPERVISOR NAME:

JEFFERY DUKETTE

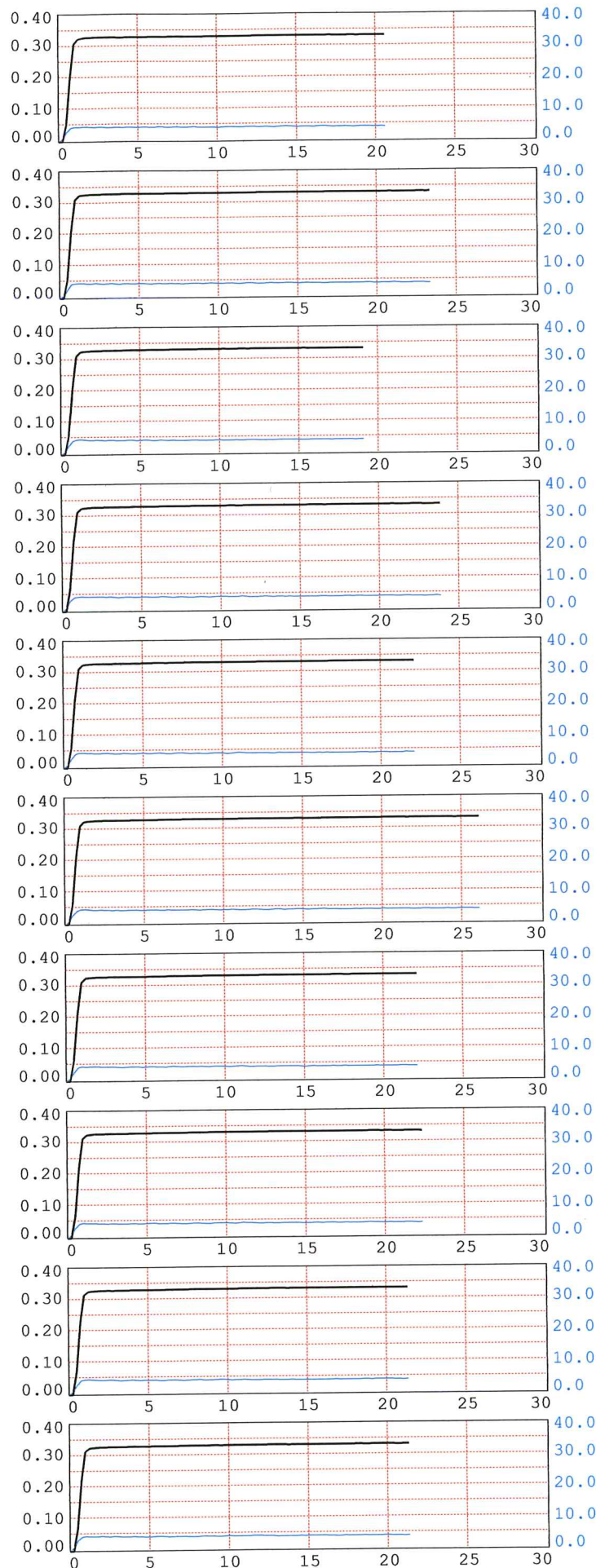
SOLUTION LOT #: 24-19-340

SOLUTION CONCENTRATION: 0.347

BLANK TEST	0.000	08:52
SIMULATOR VAPOR 34.0°C	0.331	08:53
X[1] = 0.3309 (0.0017) (0.0032)		
SIMULATOR VAPOR 34.0°C	0.331	08:54
X[1] = 0.3313 (0.0021) (0.0030)		
SIMULATOR VAPOR 34.0°C	0.331	08:55
X[1] = 0.3309 (0.0013) (0.0029)		
SIMULATOR VAPOR 34.0°C	0.332	08:57
X[1] = 0.3322 (0.0019) (0.0031)		
SIMULATOR VAPOR 34.0°C	0.331	08:58
X[1] = 0.3312 (0.0018) (0.0032)		
SIMULATOR VAPOR 34.0°C	0.331	09:00
X[1] = 0.3308 (0.0021) (0.0031)		
SIMULATOR VAPOR 34.0°C	0.331	09:01
X[1] = 0.3314 (0.0022) (0.0028)		
SIMULATOR VAPOR 34.0°C	0.332	09:03
X[1] = 0.3318 (0.0018) (0.0036)		
SIMULATOR VAPOR 34.0°C	0.331	09:04
X[1] = 0.3311 (0.0021) (0.0033)		
SIMULATOR VAPOR 34.0°C	0.331	09:05
X[1] = 0.3309 (0.0017) (0.0031)		
BLANK TEST	0.000	09:06

Average = 0.331

Std Dev = 0.0004





ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100145

Date: 1/23/2025

Time: 07:52:01

SUPERVISOR NAME:

JEFFERY DUKETTE

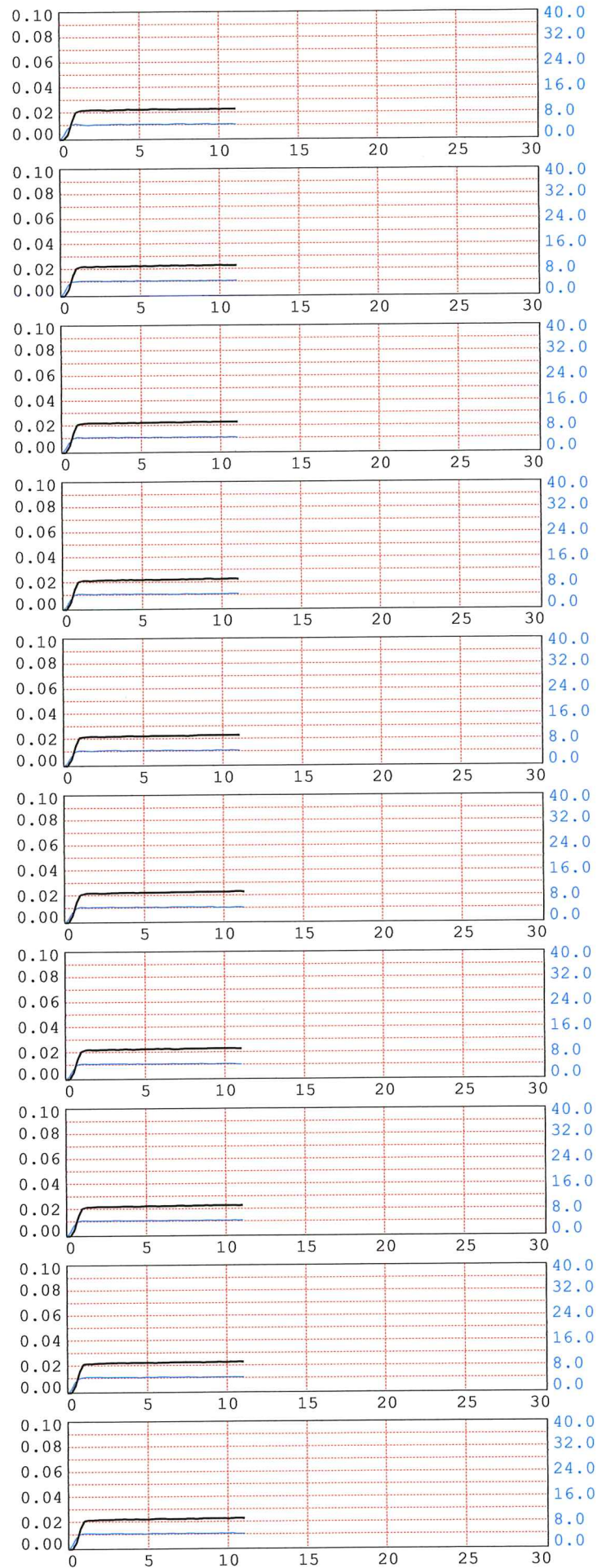
SOLUTION LOT #: 24-03-025

SOLUTION CONCENTRATION: 0.025

BLANK TEST	0.000	07:52
SIMULATOR VAPOR 34.0°C	0.025	07:53
X[1] = 0.0250 (0.0004) (0.0016)		
SIMULATOR VAPOR 34.0°C	0.025	07:54
X[1] = 0.0252 (-0.0015) (0.0000)		
SIMULATOR VAPOR 34.0°C	0.025	07:55
X[1] = 0.0251 (-0.0011) (0.0004)		
SIMULATOR VAPOR 34.0°C	0.025	07:56
X[1] = 0.0249 (-0.0004) (0.0003)		
SIMULATOR VAPOR 34.0°C	0.025	07:57
X[1] = 0.0253 (-0.0006) (0.0005)		
SIMULATOR VAPOR 34.0°C	0.026	07:59
X[1] = 0.0256 (-0.0005) (0.0006)		
SIMULATOR VAPOR 34.0°C	0.026	08:00
X[1] = 0.0256 (-0.0003) (0.0000)		
SIMULATOR VAPOR 34.0°C	0.025	08:01
X[1] = 0.0250 (-0.0006) (0.0003)		
SIMULATOR VAPOR 34.0°C	0.025	08:02
X[1] = 0.0249 (-0.0005) (0.0004)		
SIMULATOR VAPOR 34.0°C	0.026	08:03
X[1] = 0.0255 (-0.0007) (0.0011)		
BLANK TEST	0.000	08:04

Average = 0.025

Std Dev = 0.0003





ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100145

Date: 1/23/2025

Time: 08:12:44

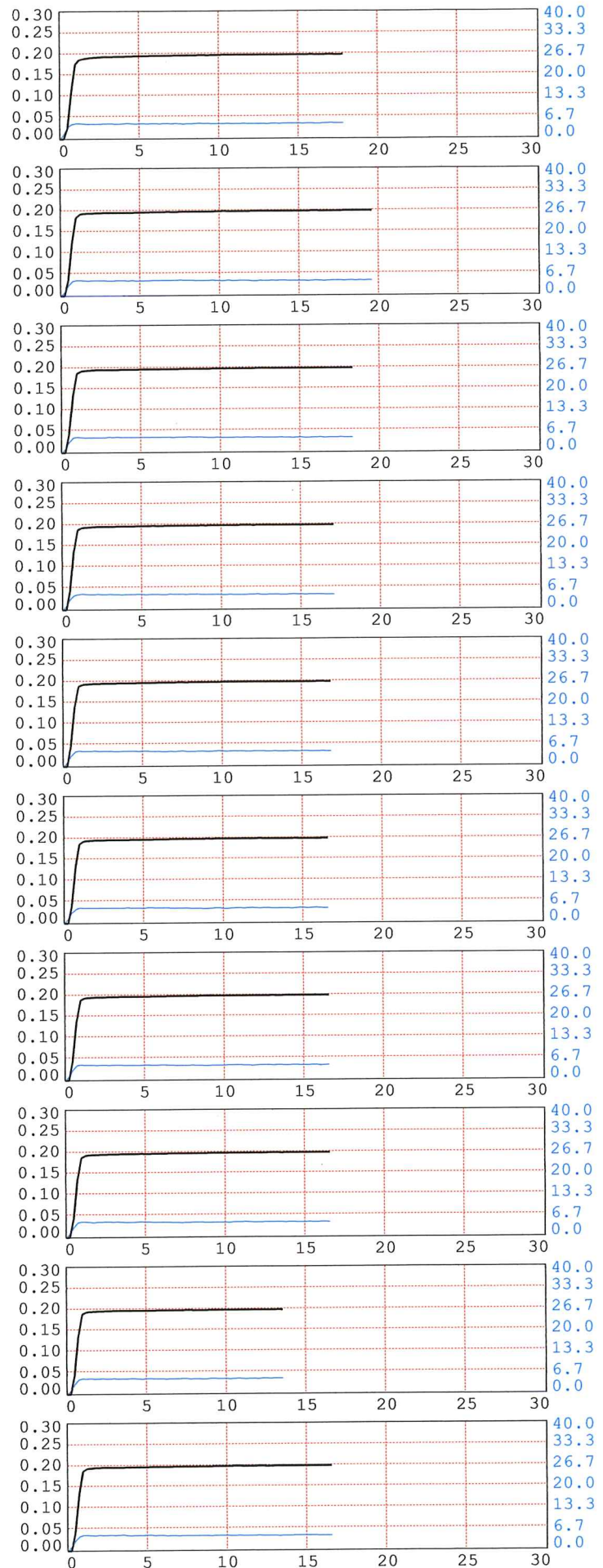
SUPERVISOR NAME:
JEFFERY DUKETTE

SOLUTION LOT #: 24-04-200

SOLUTION CONCENTRATION: 0.200

BLANK TEST	0.000	08:13
SIMULATOR VAPOR 34.0°C	0.198	08:14
X[1] = 0.1976 (0.0006) (0.0017)		
SIMULATOR VAPOR 34.0°C	0.199	08:15
X[1] = 0.1988 (0.0012) (0.0018)		
SIMULATOR VAPOR 34.0°C	0.199	08:16
X[1] = 0.1986 (0.0006) (0.0010)		
SIMULATOR VAPOR 34.0°C	0.199	08:18
X[1] = 0.1987 (0.0009) (0.0013)		
SIMULATOR VAPOR 34.0°C	0.198	08:19
X[1] = 0.1983 (0.0009) (0.0009)		
SIMULATOR VAPOR 34.0°C	0.199	08:20
X[1] = 0.1986 (0.0008) (0.0013)		
SIMULATOR VAPOR 34.0°C	0.198	08:21
X[1] = 0.1983 (0.0009) (0.0010)		
SIMULATOR VAPOR 34.0°C	0.199	08:23
X[1] = 0.1986 (0.0012) (0.0014)		
SIMULATOR VAPOR 34.0°C	0.198	08:24
X[1] = 0.1984 (0.0011) (0.0012)		
SIMULATOR VAPOR 34.0°C	0.199	08:25
X[1] = 0.1991 (0.0015) (0.0015)		
BLANK TEST	0.000	08:26

Average = 0.198
Std Dev = 0.0004





ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100145

Date: 1/23/2025

Time: 08:40:33

SUPERVISOR NAME:

JEFFERY DUKETTE

SOLUTION LOT #: 24-19-340

SOLUTION CONCENTRATION: 0.347

BLANK TEST	0.000	08:41
SIMULATOR VAPOR 34.0°C	0.330	08:41
X[1] = 0.3300 (0.0017) (0.0033)		
SIMULATOR VAPOR 34.0°C	0.331	08:43
X[1] = 0.3309 (0.0030) (0.0026)		
SIMULATOR VAPOR 34.0°C	0.331	08:44
X[1] = 0.3307 (0.0025) (0.0022)		
SIMULATOR VAPOR 34.0°C	0.331	08:46
X[1] = 0.3306 (0.0020) (0.0023)		
SIMULATOR VAPOR 34.0°C	0.331	08:47
X[1] = 0.3308 (0.0025) (0.0022)		
SIMULATOR VAPOR 34.0°C	0.331	08:48
X[1] = 0.3312 (0.0024) (0.0022)		
SIMULATOR VAPOR 34.0°C	0.332	08:50
X[1] = 0.3317 (0.0026) (0.0024)		
SIMULATOR VAPOR 34.0°C	0.331	08:51
X[1] = 0.3310 (0.0037) (0.0025)		
SIMULATOR VAPOR 34.0°C	0.332	08:52
X[1] = 0.3315 (0.0032) (0.0026)		
SIMULATOR VAPOR 34.0°C	0.331	08:54
X[1] = 0.3313 (0.0025) (0.0026)		
BLANK TEST	0.000	08:55

Average = 0.331

Std Dev = 0.0005

