Homogeneity and Stability

Sample ID	**HM20NOV-2**
Samples shipped	**4-Nov-20**
Results due date	**15-Dec-20**

Homogeneity

10 sample packets randomly chosen for analysis.
Duplicate test portions analyzed for analyte and method shown in table caption.

Total THC (%AR) via GC-FID (method 006.40)
Analysis Date: 9/9/20

Packet #	Replicate 1	Replicate 2
1	0.1266	0.1285
2	0.1307	0.1274
3	0.1273	0.1253
4	0.1292	0.1284
5	0.1289	0.1271
6	0.1288	0.1247
7	0.1285	0.1259
8	0.1279	0.1257
9	0.1276	0.1290
10	0.1297	0.1260

		%RSD
Overall average:	0.1277	
SD of sample avgs:	0.000907	0.71
repeatability SD:	0.001833	1.44
between-sample SD:	0	0.00
reproducibilty SD:	0.001833	1.44
SD used for z scores:	0.0237	
Check value:	0.00711	

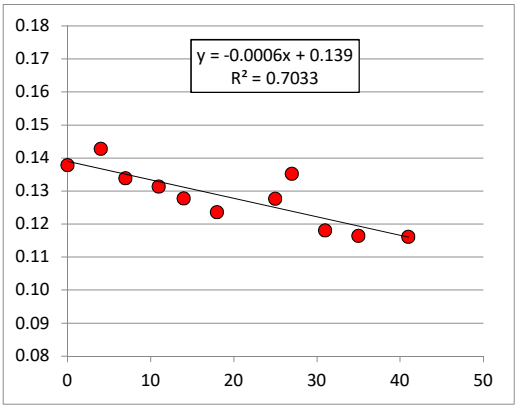
Total THC (%AR) via GC-FID (method 006.40)
Is between-sample SD less than check value? YES
Homogeneity test passed

Stability

Sample in one packet tested on different days from date sample shipped to results due date.
Sample stored at room temperature during period of testing.

Total THC (%AR) via GC-FID (method 006.40)

Date of Analysis	Days	Conc.
11/4/20	0	0.1377
11/8/20	4	0.1427
11/11/20	7	0.1338
11/15/20	11	0.1312
11/18/20	14	0.1277
11/22/20	18	0.1235
11/29/20	25	0.1275
12/1/20	27	0.1351
12/5/20	31	0.1180
12/9/20	35	0.1164
12/15/20	41	0.1161



SUMMARY OUTPUT
Days = x variable, Conc = y variable

Regression Statistics	
Multiple R	0.8386327
R Square	0.7033048
Adjusted R Squ	0.6703387
Standard Error	0.0051446
Observations	11

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.00056465	0.000564649	21.33416	0.001256327
Residual	9	0.0002382	2.64669E-05		
Total	10	0.00080285			

	Coefficients	*Std Err*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	0.1389938	0.00281274	49.41578761	2.85E-12	0.132630902	0.145356622
X Variable 1	-0.0005597	0.00012117	-4.6188919	0.001256	-0.000833802	-0.000285574

Total THC (%AR) via GC-FID (method 006.40)
Coefficient for x variable is statistically significantly different from 0. Similar trend was observed in frozen QRMs (-20oC) analyzed in the same sets. Thus, trend is believed to be due to analytical process rather than degradation of THC in the sample.