

Homogeneity and Stability

Sample ID	HM20NOV-1
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: 8/25/20

Packet #	Replicate 1	Replicate 2
1	0.1944	0.1912
2	0.1928	0.1960
3	0.1967	0.1942
4	0.1968	0.1995
5	0.1972	0.2129
6	0.2000	0.1998
7	0.2001	0.2122
8	0.1981	0.1964
9	0.1979	0.2002
10	0.1988	0.2016

%RSD

Overall average:	0.1988	
SD of sample avgs:	0.004276	2.15
repeatability SD:	0.004688	2.36
between-sample SD:	0.0027	1.36
reproducibility SD:	0.005411	2.72
SD used for Analyte z scores:	0.0269	
Check value:	0.00807	

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	0.2095
11/8/20	4	0.2160
11/11/20	7	0.2037
11/15/20	11	0.1974
11/18/20	14	0.2007
11/22/20	18	0.1978
11/29/20	25	0.2055
12/1/20	27	0.2028
12/5/20	31	0.1876
12/9/20	35	0.1905
12/15/20	41	0.1930

SUMMARY OUTPUT

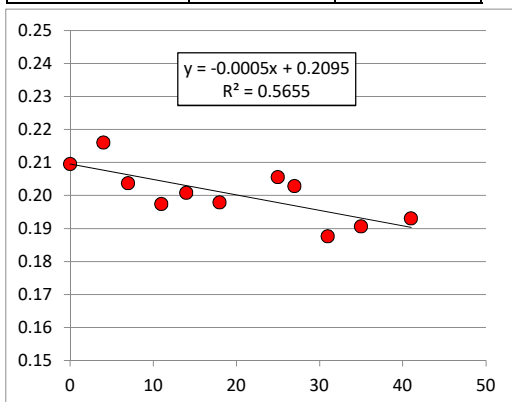
Days = x variable, Conc = y variable

Regression Statistics	
Multiple R	0.7519901
R Square	0.5654891
Adjusted R Squ	0.5172101
Standard Error	0.0058088
Observations	11

ANOVA

	df	SS	MS	F	Significance F
Regression	1	0.00039522	0.000395217	11.71294	0.00759881
Residual	9	0.00030368	3.37419E-05		
Total	10	0.00069889			

	Coefficients	Std Err	t Stat	P-value	Lower 95%	Upper 95%
Intercept	0.2094738	0.00317587	65.95794539	2.14E-13	0.202289473	0.216658102
X Variable 1	-0.0004682	0.00013682	-3.42241798	0.007599	-0.000777749	-0.000158744



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.