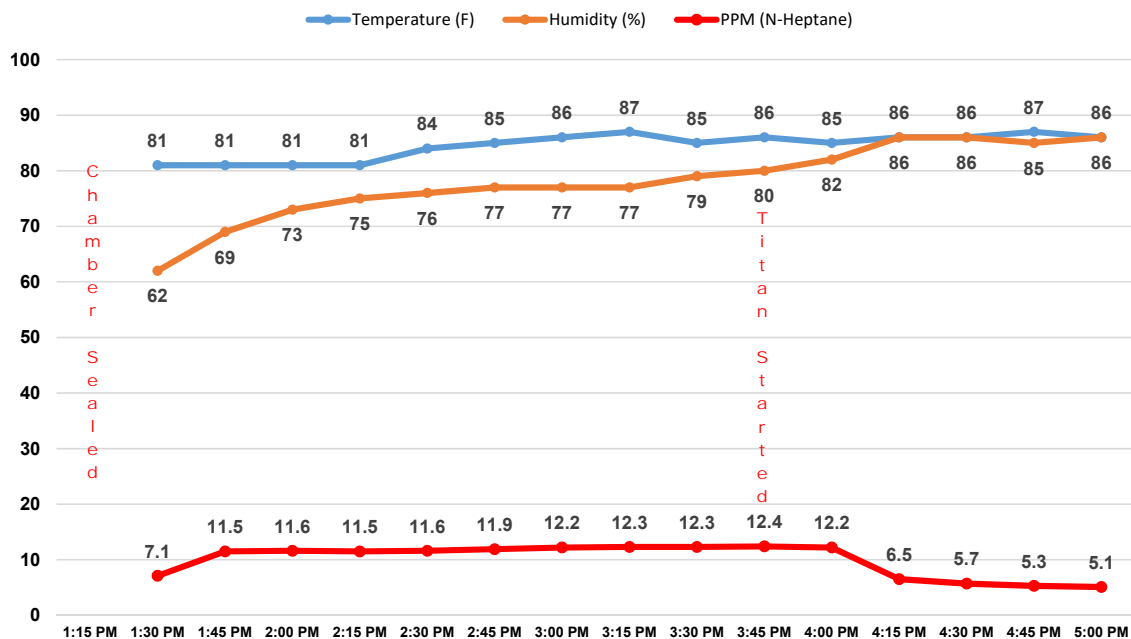


Titan Hydroxyl Generator Oxidation of N-Heptane

Comments	Time	Temperature (F)	Humidity (%)	PPM (N-Heptane)
Chamber is sealed with 100 cfm circulating fan running and 1 tbl spoon of heptane in beaker.	1:15 PM			
	1:30 PM	81	62	7.1
	1:45 PM	81	69	11.5
	2:00 PM	81	73	11.6
	2:15 PM	81	75	11.5
	2:30 PM	84	76	11.6
	2:45 PM	85	77	11.9
	3:00 PM	86	77	12.2
	3:15 PM	87	77	12.3
	3:30 PM	85	79	12.3
Titan is powered on.	3:45 PM	86	80	12.4
	4:00 PM	85	82	12.2
	4:15 PM	86	86	6.5
	4:30 PM	86	86	5.7
	4:45 PM	87	85	5.3
	5:00 PM	86	86	5.1

Titan PCO Oxidation of N-Heptane

May 17th. & 18th., 2016



A small plastic container of water was placed in chamber to facilitate raising humidity. Chamber was sealed at 1:15 PM with a 100 cfm circulating fan running and 1 tbl spoon of N-Heptane in a beaker. Chamber was let set dormant for 2 1/2 hours to allow N-Heptane to fully evaporate and come to steady state. A Titan 1000 Hydroxyl Generator was turned on at 3:45 PM. Within 1 hour and 15 minutes the N-Heptane level was reduced from 12.4 PPM to 5.1 PPM a 59% reduction.