

Water Gremlin

White Bear Township, MN
Pace Project No. 19-01960

Table 23

Total Hydrocarbon Results STRU 3 Stack Test 1

Parameter					Average
Date of Run	5/3-5/4	5/4-5/5	5/5-5/6	5/6-5/7	
Time of Run	0938-1008	1030-0944	1015-1004	1030-0952	
Sample Duration (Minutes)	1469	1392	1428	1401	
Stack Temperature (°F)	78	78	78	78	78
Duct Moisture Content (%v/v)	0.6	0.7	0.7	0.7	0.7
Volumetric Flow Rate	(Rounded to 100 CFM)				
ACFM	15,100	15,800	15,100	14,600	15,100
SCFM	14,400	15,100	14,400	14,000	14,500
DSCFM	14,300	15,000	14,300	13,900	14,400
Total Hydrocarbon Concentration, PPMv - Wet					
THC as Propane	22.0	43.5	51.6	52.6	42.4
THC as Methane ¹	65.9	131	155	158	127
THC as Carbon	65.9	131	155	158	127
THC as Trans-1,2-Dichloroethylene	28.1	55.8	66.1	67.4	54.4
Total Hydrocarbon Mass Rate, LB/HR					
THC as Propane	2.18	4.51	5.11	5.05	4.21
THC as Methane ¹	2.38	4.92	5.57	5.51	4.59
THC as Carbon	1.78	3.68	4.17	4.13	3.44
THC as Trans-1,2-Dichloroethylene	6.13	12.7	14.4	14.2	11.9

¹ Linear alkane response factor derived from number of carbon atoms

² Constituent result based on empirical or theoretical response factor