

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	
Time of Run	0938-1008	1030-0944	1015-1004	
Sample Duration (Minutes)	1469	1392	1428	
Stack Temperature (°F)	78	78	78	78
Duct Moisture Content (%v/v)	0.6	0.7	0.7	0.7
Volumetric Flow Rate (Rounded to 100 CFM)				
ACFM	15,100	15,800	15,100	15,300
SCFM	14,400	15,100	14,400	14,600
DSCFM	14,300	15,000	14,300	14,500
Total Hydrocarbon Concentration, PPMv - Wet				
THC as Propane	22.0	43.5	51.6	39.0
THC as Methane ¹	65.9	131	155	117
THC as Carbon	65.9	131	155	117
THC as Trans-1,2-Dichloroethylene	28.1	55.8	66.1	50.0
Total Hydrocarbon Mass Rate, LB/HR				
THC as Propane	2.18	4.51	5.11	3.93
THC as Methane ¹	2.38	4.92	5.57	4.29
THC as Carbon	1.78	3.68	4.17	3.21
THC as Trans-1,2-Dichloroethylene	6.1	12.7	14.38	11.1

¹ Linear alkane response factor derived from number of carbon atoms

² Constituent result based on empirical or theoretical response factor