

Water Gremlin

White Bear Township, MN
Pace Project No. 20-01960

Table 39

Total Hydrocarbon Results STRU 3 Stack Test 1

Parameter			Average
Date of Run	7/18-19/20	7/19-20/20	
Time of Run	0957-0738	0800-0931	
Sample Duration (Minutes)	1300	1531	
Stack Temperature (°F)	82	82	82
Duct Moisture Content (%v/v)	1.9	1.7	1.8
Volumetric Flow Rate (Rounded to 100 CFM)			
ACFM	16,000	15,500	15,800
SCFM	15,100	14,700	14,900
DSCFM	14,800	14,400	14,600
Total Hydrocarbon Concentration, PPMv - Wet			
THC as Propane	4.88	14.3	9.59
THC as Methane ¹	14.6	42.9	28.8
THC as Carbon	14.6	42.9	28.8
THC as Trans-1,2-Dichloroethylene	6.2	18.34	12.3
Total Hydrocarbon Mass Rate, LB/HR			
THC as Propane	0.505	1.44	0.975
THC as Methane ¹	0.551	1.58	1.06
THC as Carbon	0.413	1.18	0.797
THC as Trans-1,2-Dichloroethylene	1.42	4.07	2.75

¹ Linear alkane response factor derived from number of carbon atoms

² Constituent result based on empirical or theoretical response factor