

Water Gremlin

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

Table 33

Total Hydrocarbon Results STRU 3 Stack Test 1

Parameter			Average
Date of Run	6/19-6/20/20	6/21-22/20	
Time of Run	0842-0930	2221-0857	
Sample Duration (Minutes)	1488	636	
Stack Temperature (°F)	80	75	78
Duct Moisture Content (%v/v)	1.5	1.9	1.7
Volumetric Flow Rate (Rounded to 100 CFM)			
ACFM	15,500	19,300	17,400
SCFM	14,700	18,400	16,500
DSCFM	14,400	18,100	16,300
Total Hydrocarbon Concentration, PPMv - Wet			
THC as Propane	23.2	36.6	29.9
THC as Methane ¹	69.7	110	89.7
THC as Carbon	69.7	110	89.7
THC as Trans-1,2-Dichloroethylene ²	29.8	46.8	38.3
Total Hydrocarbon Mass Rate, LB/HR			
THC as Propane	2.34	4.63	3.48
THC as Methane ¹	2.55	5.05	3.80
THC as Carbon	1.91	3.78	2.84
THC as Trans-1,2-Dichloroethylene ²	6.58	13.0	9.81

¹ Linear alkane response factor derived from number of carbon atoms

² Constituent result based on empirical or theoretical response factor