

Water Gremlin

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

Table 29

Total Hydrocarbon Results STRU 3 Stack Test 1

Parameter				Average
Date of Run	5/31-6/1/2020	6/1-6/2/20	6/2-6/3/20	
Time of Run	2228-1102	1124-0750	0806-0840	
Sample Duration (Minutes)	754	1226	1474	
Stack Temperature (°F)	82	83	81	82
Duct Moisture Content (%v/v)	1.7	2.0	1.8	1.8
Volumetric Flow Rate (Rounded to 100 CFM)				
ACFM	14,700	14,200	14,700	14,600
SCFM	13,900	13,300	13,900	13,700
DSCFM	13,600	13,000	13,600	13,400
Total Hydrocarbon Concentration, PPMv - Wet				
THC as Propane	38.9	51.5	48.6	46.4
THC as Methane ¹	117	155	146	139
THC as Carbon	117	155	146	139
THC as Trans-1,2-Dichloroethylene	49.8	66.0	62.3	59.4
Total Hydrocarbon Mass Rate, LB/HR				
THC as Propane	3.70	4.70	4.64	4.35
THC as Methane ¹	4.04	5.13	5.06	4.74
THC as Carbon	3.02	3.84	3.79	3.55
THC as Trans-1,2-Dichloroethylene	10.4	13.2	13.1	12.2

¹ Linear alkane response factor derived from number of carbon atoms

² Constituent result based on empirical or theoretical response factor