

Water Gremlin

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

Table 31

Total Hydrocarbon Results STRU 3 Stack Test 1

Parameter				Average
Date of Run	6/9-10/20	6/10-11/20	6/11-12/20	
Time of Run	0921-0840	0901-0721	0745-0830	
Sample Duration (Minutes)	1398	1339	1484	
Stack Temperature (°F)	77	76	71	75
Duct Moisture Content (%v/v)	1.6	1.3	1.7	1.5
Volumetric Flow Rate (Rounded to 100 CFM)				
ACFM	16,600	16,000	15,700	16,100
SCFM	15,600	15,200	15,300	15,400
DSCFM	15,300	15,000	15,000	15,100
Total Hydrocarbon Concentration, PPMv - Wet				
THC as Propane	35.8	35.5	31.6	34.3
THC as Methane ¹	108	106	94.8	103
THC as Carbon	108	106	94.8	103
THC as Trans-1,2-Dichloroethylene	45.9	45.4	40.5	43.9
Total Hydrocarbon Mass Rate, LB/HR				
THC as Propane	3.83	3.71	3.32	3.62
THC as Methane ¹	4.18	4.05	3.62	3.95
THC as Carbon	3.13	3.03	2.71	2.96
THC as Trans-1,2-Dichloroethylene	10.8	10.4	9.3	10.2

¹ Linear alkane response factor derived from number of carbon atoms

² Constituent result based on empirical or theoretical response factor