

# Water Gremlin

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

## Table 24

### Total Hydrocarbon Results STRU 3 Stack Test 1

Parameter					Average
Date of Run	5/8/20	5/9/20	5/11/20	5/12/20	
Time of Run	1018-0834	0833-2126	2221-1001	1000-0730	
Sample Duration (Minutes)	1336	773	700	1290	
Stack Temperature (°F)	76	76	80	77	77
Duct Moisture Content (%v/v)	0.4	0.4	0.4	0.2	0.3
Volumetric Flow Rate (Rounded to 100 CFM)					
ACFM	16,100	16,100	14,800	15,500	15,600
SCFM	15,500	15,500	14,100	14,900	15,000
DSCFM	15,500	15,400	14,100	14,800	14,900
Total Hydrocarbon Concentration, PPMv - Wet					
THC as Propane	50.9	47.1	43.7	45.4	46.8
THC as Methane <sup>1</sup>	153	141	131	136	140
THC as Carbon	153	141	131	136	140
THC as Trans-1,2-Dichloroethylene	65.2	60.3	56.0	58.2	59.9
Total Hydrocarbon Mass Rate, LB/HR					
THC as Propane	5.42	5.01	4.24	4.64	4.83
THC as Methane <sup>1</sup>	5.91	5.47	4.62	5.06	5.27
THC as Carbon	4.43	4.09	3.46	3.79	3.94
THC as Trans-1,2-Dichloroethylene	15.3	14.1	11.9	13.1	13.6

<sup>1</sup> Linear alkane response factor derived from number of carbon atoms

<sup>2</sup> Constituent result based on empirical or theoretical response factor