

# 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	6/12/20	
Time of Run	0921-0840	0901-0721	0745-0830	0857-1237	
Sample Duration (Minutes)	1398	1339	1484	219	
Stack Temperature (°F)	77	76	71	71	74
Duct Moisture Content (%v/v)	1.6	1.3	1.7	1.7	1.6
Volumetric Flow Rate (Rounded to 100 CFM)					
ACFM	16,600	16,000	15,700	15,700	16,000
SCFM	15,600	15,200	15,300	15,300	15,300
DSCFM	15,300	15,000	15,000	15,000	15,100
Total Hydrocarbon Concentration, PPMv - Wet					
THC as Propane	35.8	35.5	31.6	29.7	33.2
THC as Methane <sup>1</sup>	108	106	94.8	89.2	99.5
THC as Carbon	108	106	94.8	89.2	99.5
THC as Trans-1,2-Dichloroethylene	45.9	45.4	40.5	38.1	42.5
Total Hydrocarbon Mass Rate, LB/HR					
THC as Propane	3.83	3.71	3.32	3.12	3.50
THC as Methane <sup>1</sup>	4.18	4.05	3.62	3.41	3.81
THC as Carbon	3.13	3.03	2.71	2.55	2.86
THC as Trans-1,2-Dichloroethylene	10.8	10.4	9.3	8.8	9.8

<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