

# Water Gremlin

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

## Table 28

### Total Hydrocarbon Results STRU 3 Stack Test 1

Parameter				Average
Date of Run	5/26-5/27/20	5/27-5/28/20	5/28-5/29/20	
Time of Run	1019-0913	1143-0836	0838-1028	
Sample Duration (Minutes)	1374	1253	1550	
Stack Temperature (°F)	81	81	77	79
Duct Moisture Content (%v/v)	2.0	1.3	1.0	1.4
Volumetric Flow Rate (Rounded to 100 CFM)				
ACFM	15,800	15,900	16,700	16,100
SCFM	14,900	15,000	15,900	15,300
DSCFM	14,600	14,800	15,800	15,100
Total Hydrocarbon Concentration, PPMv - Wet				
THC as Propane	33.1	29.8	35.0	32.6
THC as Methane <sup>1</sup>	99.2	89.5	105	97.9
THC as Carbon	99.2	89.5	105	97.9
THC as Trans-1,2-Dichloroethyl	42.4	38.2	44.8	41.8
Total Hydrocarbon Mass Rate, LB/HR				
THC as Propane	3.38	3.07	3.83	3.43
THC as Methane <sup>1</sup>	3.69	3.35	4.18	3.74
THC as Carbon	2.76	2.51	3.13	2.80
THC as Trans-1,2-Dichloroethyl	9.52	8.64	10.8	9.65

<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