

Water Gremlin

White Bear Township, MN
Pace Project No. 20-01960

Table 39

Total Hydrocarbon Results STRU 3 Stack Test 1

Parameter				Average
Date of Run	7/18-19/20	7/19-20/20	7/20-21/20	
Time of Run	0957-0738	0800-0931	0955-0916	
Sample Duration (Minutes)	1300	1531	1401	
Stack Temperature (°F)	82	82	81	82
Duct Moisture Content (%v/v)	1.9	1.7	2.0	1.9
Volumetric Flow Rate (Rounded to 100 CFM)				
ACFM	16,000	15,500	16,200	15,900
SCFM	15,100	14,700	15,300	15,000
DSCFM	14,800	14,400	15,000	14,800
Total Hydrocarbon Concentration, PPMv - Wet				
THC as Propane	4.88	14.3	27.7	15.6
THC as Methane ¹	14.6	42.9	83.0	46.9
THC as Carbon	14.6	42.9	83.0	46.9
THC as Trans-1,2-Dichloroethylene	6.2	18.3	35.46	20.0
Total Hydrocarbon Mass Rate, LB/HR				
THC as Propane	0.505	1.44	2.92	1.62
THC as Methane ¹	0.551	1.58	3.18	1.77
THC as Carbon	0.413	1.18	2.38	1.33
THC as Trans-1,2-Dichloroethylene	1.42	4.07	8.21	4.57

¹ Linear alkane response factor derived from number of carbon atoms

² Constituent result based on empirical or theoretical response factor