

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	7/21-22/20	
Time of Run	0957-0738	0800-0931	0955-0916	0945-0821	
Sample Duration (Minutes)	1300	1531	1401	1356	
Stack Temperature (°F)	82	82	81	78	81
Duct Moisture Content (%v/v)	1.9	1.7	2.0	1.5	1.8
Volumetric Flow Rate (Rounded to 100 CFM)					
ACFM	16,000	15,500	16,200	16,500	16,100
SCFM	15,100	14,700	15,300	15,700	15,200
DSCFM	14,800	14,400	15,000	15,500	14,900
Total Hydrocarbon Concentration, PPMv - Wet					
THC as Propane	4.88	14.3	27.7	38.3	21.3
THC as Methane ¹	14.6	42.9	83.0	115	63.8
THC as Carbon	14.6	42.9	83.0	115	63.8
THC as Trans-1,2-Dichloroethylene	6.2	18.3	35.5	49.02	27.3
Total Hydrocarbon Mass Rate, LB/HR					
THC as Propane	0.505	1.44	2.92	4.12	2.25
THC as Methane ¹	0.551	1.58	3.18	4.50	2.45
THC as Carbon	0.413	1.18	2.38	3.37	1.84
THC as Trans-1,2-Dichloroethylene	1.42	4.07	8.21	11.62	6.33

¹ Linear alkane response factor derived from number of carbon atoms

² Constituent result based on empirical or theoretical response factor