

Water Gremlin

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

Table 36

Total Hydrocarbon Results STRU 3 Stack Test 1

Parameter					Average
Date of Run	7/2-6/20	7/6-7/20	7/7-8/20	7/8-9/20	
Time of Run	0945-0911	0940-0811	0840-0834	0850-0834	
Sample Duration (Minutes)	5726	1351	1434	1424	
Stack Temperature (°F)	81	84	85	84	83
Duct Moisture Content (%v/v)	2.1	2.2	2.3	2.0	2.2
Volumetric Flow Rate (Rounded to 100 CFM)					
ACFM	16,000	15,700	15,800	16,200	16,000
SCFM	15,100	14,800	14,900	15,300	15,000
DSCFM	14,800	14,500	14,500	15,000	14,700
Total Hydrocarbon Concentration, PPMv - Wet					
THC as Propane	9.33	29.3	22.6	35.4	24.2
THC as Methane ¹	28.0	88.0	67.7	106	72.5
THC as Carbon	28.0	88.0	67.7	106	72.5
THC as Trans-1,2-Dichloroethylene	12.0	37.6	28.9	45.3	30.9
Total Hydrocarbon Mass Rate, LB/HR					
THC as Propane	0.969	2.98	2.30	3.71	2.49
THC as Methane ¹	1.06	3.25	2.52	4.05	2.72
THC as Carbon	0.792	2.43	1.88	3.03	2.04
THC as Trans-1,2-Dichloroethylene	2.73	8.39	6.49	10.45	7.02

¹ Linear alkane response factor derived from number of carbon atoms

² Constituent result based on empirical or theoretical response factor