

Water Gremlin

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

Table 34

Total Hydrocarbon Results STRU 3 Stack Test 1

Parameter					Average
Date of Run	6/24-25/20	6/25-26/20	6/26-27/20	6/29-30/20	
Time of Run	0948-0848	0914-0920	0945-0940	1139-0957	
Sample Duration (Minutes)	1379	1446	1435	1338	
Stack Temperature (°F)	83	83	83	81	82
Duct Moisture Content (%v/v)	1.7	2.0	1.7	2.4	1.9
Volumetric Flow Rate	(Rounded to 100 CFM)				
ACFM	15,800	15,900	15,400	16,300	15,900
SCFM	14,900	15,000	14,500	15,300	14,900
DSCFM	14,600	14,700	14,300	15,000	14,600
Total Hydrocarbon Concentration, PPMv - Wet					
THC as Propane	36.9	29.4	17.3	31.7	28.8
THC as Methane ¹	111	88.2	51.8	95.0	86.4
THC as Carbon	111	88.2	51.8	95.0	86.4
THC as Trans-1,2-Dichloroethylene	47.2	37.7	22.1	40.6	36.9
Total Hydrocarbon Mass Rate, LB/HR					
THC as Propane	3.76	3.02	1.72	3.33	2.96
THC as Methane ¹	4.10	3.29	1.88	3.64	3.23
THC as Carbon	3.07	2.47	1.41	2.72	2.42
THC as Trans-1,2-Dichloroethylene	10.59	8.50	4.85	9.39	8.33

¹ Linear alkane response factor derived from number of carbon atoms

² Constituent result based on empirical or theoretical response factor