

Water Gremlin

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

Table 38

Total Hydrocarbon Results STRU 3 Stack Test 1

Parameter				Average
Date of Run	7/14-15/20	7/15-16/20	7/16-17/20	
Time of Run	0945-0919	0954-0845	0909-0939	
Sample Duration (Minutes)	1413	1370	1469	
Stack Temperature (°F)	81	81	86	83
Duct Moisture Content (%v/v)	1.8	1.8	2.4	2.0
Volumetric Flow Rate (Rounded to 100 CFM)				
ACFM	16,000	15,600	15,100	15,500
SCFM	15,200	14,700	14,200	14,700
DSCFM	14,900	14,400	13,800	14,400
Total Hydrocarbon Concentration, PPMv - Wet				
THC as Propane	33.7	29.5	37.1	33.4
THC as Methane ¹	101	88.6	111	100
THC as Carbon	101	88.6	111	100
THC as Trans-1,2-Dichloroethylene	43.1	37.9	47.5	42.8
Total Hydrocarbon Mass Rate, LB/HR				
THC as Propane	3.51	2.98	3.61	3.37
THC as Methane ¹	3.83	3.25	3.93	3.67
THC as Carbon	2.87	2.44	2.95	2.75
THC as Trans-1,2-Dichloroethylene	9.88	8.40	10.2	9.48

¹ Linear alkane response factor derived from number of carbon atoms

² Constituent result based on empirical or theoretical response factor