

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	7/17-18/20	
Time of Run	0945-0919	0954-0845	0909-0939	1006-0941	
Sample Duration (Minutes)	1413	1370	1469	1415	
Stack Temperature (°F)	81	81	86	84	83
Duct Moisture Content (%v/v)	1.8	1.8	2.4	2.0	2.0
Volumetric Flow Rate (Rounded to 100 CFM)					
ACFM	16,000	15,600	15,100	15,300	15,500
SCFM	15,200	14,700	14,200	14,300	14,600
DSCFM	14,900	14,400	13,800	14,000	14,300
Total Hydrocarbon Concentration, PPMv - Wet					
THC as Propane	33.7	29.5	37.1	15.5	28.9
THC as Methane ¹	101	88.6	111	46.4	86.8
THC as Carbon	101	88.6	111	46.4	86.8
THC as Trans-1,2-Dichloroethylene	43.1	37.9	47.5	19.8	37.1
Total Hydrocarbon Mass Rate, LB/HR					
THC as Propane	3.51	2.98	3.61	1.52	2.90
THC as Methane ¹	3.83	3.25	3.93	1.66	3.17
THC as Carbon	2.87	2.44	2.95	1.24	2.37
THC as Trans-1,2-Dichloroethylene	9.88	8.40	10.15	4.3	8.18

¹ Linear alkane response factor derived from number of carbon atoms

² Constituent result based on empirical or theoretical response factor