

Water Gremlin

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

Table 37

Total Hydrocarbon Results STRU 3 Stack Test 1

Parameter					Average
Date of Run	7/9-10/20	7/10-11/20	7/12-13/20	7/13-14/20	
Time of Run	0855-0833	0850-2231	2231-0855	0924-0919	
Sample Duration (Minutes)	1418	820	623	1434	
Stack Temperature (°F)	83	82	84	82	83
Duct Moisture Content (%v/v)	1.8	2.0	2.0	2.2	2.0
Volumetric Flow Rate	(Rounded to 100 CFM)				
ACFM	16,200	15,200	16,200	12,500	15,000
SCFM	15,200	14,300	15,200	11,700	14,100
DSCFM	14,900	14,000	14,900	11,400	13,800
Total Hydrocarbon Concentration, PPMv - Wet					
THC as Propane	18.8	23.6	27.7	36.1	26.6
THC as Methane ¹	56.4	70.8	83.1	108	79.7
THC as Carbon	56.4	70.8	83.1	108	79.7
THC as Trans-1,2-Dichloroethylene	24.1	30.3	35.5	46.3	34.0
Total Hydrocarbon Mass Rate, LB/HR					
THC as Propane	1.97	2.32	2.89	2.90	2.52
THC as Methane ¹	2.14	2.53	3.15	3.16	2.75
THC as Carbon	1.61	1.89	2.36	2.37	2.06
THC as Trans-1,2-Dichloroethylene	5.54	6.53	8.13	8.16	7.09

¹ Linear alkane response factor derived from number of carbon atoms

² Constituent result based on empirical or theoretical response factor