

Water Gremlin

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

Table 43

Total Hydrocarbon Results STRU 3 Stack Test 1

Parameter					Average
Date of Run	8/4-5/20	8/5-6/20	8/6-7/20	8/7-8/20	
Time of Run	0934-0907	0931-0919	1019-0926	0951-2201	
Sample Duration (Minutes)	1412	1427	1386	729	
Stack Temperature (°F)	80	81	81	81	81
Duct Moisture Content (%v/v)	1.3	1.8	1.9	1.9	1.7
Volumetric Flow Rate	(Rounded to 100 CFM)				
ACFM	15,600	15,300	16,100	16,100	15,800
SCFM	14,800	14,500	15,200	15,200	14,900
DSCFM	14,600	14,200	14,900	14,900	14,700
Total Hydrocarbon Concentration, PPMv - Wet					
THC as Propane	47.6	46.1	49.1	41.2	46.0
THC as Methane ¹	143	138	147	123	138
THC as Carbon	143	138	147	123	138
THC as Trans-1,2-Dichloroethylene	61.0	59.1	62.9	52.7	58.9
Total Hydrocarbon Mass Rate, LB/HR					
THC as Propane	4.83	4.59	5.14	4.30	4.71
THC as Methane ¹	5.27	5.00	5.60	4.69	5.14
THC as Carbon	3.95	3.75	4.20	3.51	3.85
THC as Trans-1,2-Dichloroethylene	13.6	12.9	14.5	12.1	13.3

¹ Linear alkane response factor derived from number of carbon atoms

² Constituent result based on empirical or theoretical response factor