

Water Gremlin

White Bear Township, MN
Pace Project No. 19-01960

Table 29

Total Hydrocarbon Results STRU 3 Stack Test 1

Parameter					Average
Date of Run	5/31-6/1/2020	6/1-6/2/20	6/2-6/3/20	6/3-6/4/20	
Time of Run	2228-1102	1124-0750	0806-0840	0857-0915	
Sample Duration (Minutes)	754	1226	1474	1457	
Stack Temperature (°F)	82	83	81	80	82
Duct Moisture Content (%v/v)	1.7	2.0	1.8	1.8	1.8
Volumetric Flow Rate (Rounded to 100 CFM)					
ACFM	14,700	14,200	14,700	13,700	14,400
SCFM	13,900	13,300	13,900	12,900	13,500
DSCFM	13,600	13,000	13,600	12,700	13,200
Total Hydrocarbon Concentration, PPMv - Wet					
THC as Propane	38.9	51.5	48.6	50.7	47.4
THC as Methane ¹	117	155	146	152	142
THC as Carbon	117	155	146	152	142
THC as Trans-1,2-Dichloroethylene	49.8	66.0	62.3	65.0	60.8
Total Hydrocarbon Mass Rate, LB/HR					
THC as Propane	3.70	4.70	4.64	4.50	4.38
THC as Methane ¹	4.04	5.13	5.06	4.91	4.78
THC as Carbon	3.02	3.84	3.79	3.67	3.58
THC as Trans-1,2-Dichloroethylene	10.42	13.2	13.1	12.7	12.3

¹ Linear alkane response factor derived from number of carbon atoms

² Constituent result based on empirical or theoretical response factor