

Water Gremlin

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

Table 21

Total Hydrocarbon Results STRU 3 Stack Test 1

Parameter					Average
Date of Run	6/4-5/20	6/5/20	6/7-8/20	6/8-9/20	
Time of Run	0930-0921	0944-2201	2220-0904	0936-0856	
Sample Duration (Minutes)	1431	736	643	1399	
Stack Temperature (°F)	81	81	81	84	82
Duct Moisture Content (%v/v)	1.5	1.5	1.4	1.5	1.5
Volumetric Flow Rate	(Rounded to 100 CFM)				
ACFM	16,700	16,700	15,400	15,300	16,000
SCFM	15,700	15,700	14,500	14,200	15,000
DSCFM	15,500	15,500	14,300	14,000	14,800
Total Hydrocarbon Concentration, PPMv - Wet					
THC as Propane	45.4	37.3	36.0	39.1	39.5
THC as Methane ¹	136	112	108	117	118
THC as Carbon	136	112	108	117	118
THC as Trans-1,2-Dichloroethylene	58.1	47.8	46.2	50.1	50.6
Total Hydrocarbon Mass Rate, LB/HR					
THC as Propane	4.89	4.02	3.58	3.82	4.08
THC as Methane ¹	5.34	4.39	3.91	4.17	4.45
THC as Carbon	4.00	3.29	2.92	3.12	3.33
THC as Trans-1,2-Dichloroethylene	13.8	11.3	10.1	10.8	11.5

¹ Linear alkane response factor derived from number of carbon atoms

² Constituent result based on empirical or theoretical response factor