

Water Gremlin

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

Table 28

Total Hydrocarbon Results
STRU 3 Stack
Test 1

Parameter					Average
Date of Run	5/26-5/27/20	5/27-5/28/20	5/28-5/29/20	29-May	
Time of Run	1019-0913	1143-0836	0838-1028	1049-2322	
Sample Duration (Minutes)	1374	1253	1550	753	
Stack Temperature (°F)	81	81	77	77	79
Duct Moisture Content (%v/v)	2.0	1.3	1.0	1.0	1.3
Volumetric Flow Rate (Rounded to 100 CFM)					
ACFM	15,800	15,900	16,700	16,700	16,200
SCFM	14,900	15,000	15,900	15,900	15,400
DSCFM	14,600	14,800	15,800	15,800	15,200
Total Hydrocarbon Concentration, PPMv - Wet					
THC as Propane	33.1	29.8	35.0	38.0	34.0
THC as Methane ¹	99.2	89.5	105	114	102
THC as Carbon	99.2	89.5	105	114	102
THC as Trans-1,2-Dichloroethyl	42.4	38.2	44.8	48.7	43.5
Total Hydrocarbon Mass Rate, LB/HR					
THC as Propane	3.38	3.07	3.83	4.16	3.61
THC as Methane ¹	3.69	3.35	4.18	4.54	3.94
THC as Carbon	2.76	2.51	3.13	3.40	2.95
THC as Trans-1,2-Dichloroethyl	9.52	8.64	10.8	11.7	10.2

¹ Linear alkane response factor derived from number of carbon atoms

² Constituent result based on empirical or theoretical response factor