

Water Gremlin

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

Table 32

Total Hydrocarbon Results STRU 3 Stack Test 1

Parameter					Average
Date of Run	6/15-16/20	6/16-17/20	6/17-18/20	6/18-19/20	
Time of Run	0844-0803	0932-0828	0853-0822	0841-0821	
Sample Duration (Minutes)	1398	1375	1408	1419	
Stack Temperature (°F)	81	83	80	81	81
Duct Moisture Content (%v/v)	1.4	1.4	1.7	2.0	1.6
Volumetric Flow Rate	(Rounded to 100 CFM)				
ACFM	15,500	15,400	16,200	16,500	15,900
SCFM	14,800	14,600	15,300	15,600	15,100
DSCFM	14,600	14,400	15,000	15,300	14,800
Total Hydrocarbon Concentration, PPMv - Wet					
THC as Propane	15.6	45.5	40.9	40.8	35.7
THC as Methane ¹	46.7	136	123	122	107
THC as Carbon	46.7	136	123	122	107
THC as Trans-1,2-Dichloroethylene	20.0	58.3	52.4	52.3	45.7
Total Hydrocarbon Mass Rate, LB/HR					
THC as Propane	1.58	4.55	4.30	4.39	3.70
THC as Methane ¹	1.73	4.96	4.69	4.79	4.04
THC as Carbon	1.29	3.72	3.51	3.58	3.03
THC as Trans-1,2-Dichloroethylene	4.45	12.8	12.1	12.4	10.4

¹ Linear alkane response factor derived from number of carbon atoms

² Constituent result based on empirical or theoretical response factor