

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 | |
| Time of Run | 0930-0921 | 0944-2201 | 2220-0904 | |
| Sample Duration (Minutes) | 1431 | 736 | 643 | |
| Stack Temperature (°F) | 81 | 81 | 81 | 81 |
| Duct Moisture Content (%v/v) | 1.5 | 1.5 | 1.4 | 1.5 |
| Volumetric Flow Rate (Rounded to 100 CFM) | | | | |
| ACFM | 16,700 | 16,700 | 15,400 | 16,200 |
| SCFM | 15,700 | 15,700 | 14,500 | 15,300 |
| DSCFM | 15,500 | 15,500 | 14,300 | 15,100 |
| Total Hydrocarbon Concentration, PPMv - Wet | | | | |
| THC as Propane | 45.4 | 37.3 | 36.0 | 39.6 |
| THC as Methane ¹ | 136 | 112 | 108 | 119 |
| THC as Carbon | 136 | 112 | 108 | 119 |
| THC as Trans-1,2-Dichloroethylene | 58.1 | 47.8 | 46.2 | 50.7 |
| Total Hydrocarbon Mass Rate, LB/HR | | | | |
| THC as Propane | 4.89 | 4.02 | 3.58 | 4.17 |
| THC as Methane ¹ | 5.34 | 4.39 | 3.91 | 4.55 |
| THC as Carbon | 4.00 | 3.29 | 2.92 | 3.40 |
| THC as Trans-1,2-Dichloroethylene | 13.8 | 11.3 | 10.1 | 11.7 |

¹ Linear alkane response factor derived from number of carbon atoms

² Constituent result based on empirical or theoretical response factor