

# Water Gremlin

White Bear Township, MN  
Pace Project No. 20-01960

## Table 42

### Total Hydrocarbon Results STRU 3 Stack Test 1

| Parameter                                   |                      |             |           |           | Average |
|---|----------------------|-------------|-----------|-----------|---------|
| Date of Run                                 | 7/30-31/20           | 7/31-8/3/20 | 8/1-3/20  | 8/3-4/20  |         |
| Time of Run                                 | 1003-0916            | 0935-1513   | 2210-0903 | 0951-0910 |         |
| Sample Duration (Minutes)                   | 1393                 | 1778        | 652       | 1398      |         |
| Stack Temperature (°F)                      | 82                   | 81          | 78        | 78        | 80      |
| Duct Moisture Content (%v/v)                | 1.7                  | 1.8         | 1.3       | 1.3       | 1.5     |
| Volumetric Flow Rate                        | (Rounded to 100 CFM) |             |           |           |         |
| ACFM  | 15,500               | 15,500      | 15,600    | 16,100    | 15,700  |
| SCFM  | 14,700               | 14,700      | 15,000    | 15,400    | 14,900  |
| DSCFM                                       | 14,400               | 14,400      | 14,800    | 15,200    | 14,700  |
| Total Hydrocarbon Concentration, PPMv - Wet |                      |             |           |           |         |
| THC as Propane                              | 30.4                 | 13.5        | 38.6      | 43.2      | 31.4    |
| THC as Methane <sup>1</sup>                 | 91.2                 | 40.6        | 116       | 130       | 94.3    |
| THC as Carbon                               | 91.2                 | 40.6        | 116       | 130       | 94.3    |
| THC as Trans-1,2-Dichloroethylene           | 38.9                 | 17.3        | 49.4      | 55.3      | 40.3    |
| Total Hydrocarbon Mass Rate, LB/HR          |                      |             |           |           |         |
| THC as Propane                              | 3.06                 | 1.36        | 3.97      | 4.56      | 3.24    |
| THC as Methane <sup>1</sup>                 | 3.34                 | 1.49        | 4.33      | 4.97      | 3.53    |
| THC as Carbon                               | 2.50                 | 1.11        | 3.24      | 3.72      | 2.65    |
| THC as Trans-1,2-Dichloroethylene           | 8.63                 | 3.84        | 11.2      | 12.8      | 9.12    |

<sup>1</sup> Linear alkane response factor derived from number of carbon atoms

<sup>2</sup> Constituent result based on empirical or theoretical response factor