



# AIR POLLUTION TESTING, INC.

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## EXTENDED GAS ANALYSIS

### SAMPLE DATA

PROJECT NO..... LTE-8-16  
COMPANY NAME..... LT Environmental  
SITE..... Rogue 10-25  
UNIT ID..... Heater Treater  
SAMPLED BY..... AJM

SAMPLE ID..... HT Gas to Flare  
ANALYSIS DATE..... 4/30/2018  
SAMPLE DATE..... 4/30/2018  
CYLINDER NO..... GV-118  
LAB ANALYST..... CLB

### FIELD DATA

SAMPLE PRESSURE..... 33 psig  
AMBIENT PRESSURE..... 12.0 psi

SAMPLE TEMP..... 73 F  
AMBIENT TEMP..... 65 F

COMMENTS: **H2S = 0.5 ppm**  
\*ASTM Method D4810 Length of Stain

### LABORATORY DATA

| COMPONENT                   | MOLE %        | WT%           | GPM          |
|-----------------------------|---------------|---------------|--------------|
| HYDROGEN SULFIDE.....       | 0.0000        | 0.0000        | 0.0000       |
| CARBON DIOXIDE.....         | 0.6879        | 1.0369        | 0.1178       |
| NITROGEN.....               | 11.0546       | 10.6062       | 1.2207       |
| METHANE.....                | 46.3557       | 25.4698       | 7.8877       |
| ETHANE.....                 | 15.8886       | 16.3627       | 4.2648       |
| PROPANE.....                | 15.8780       | 23.9796       | 4.3905       |
| ISOBUTANE.....              | 2.1318        | 4.2438        | 0.7002       |
| N-BUTANE.....               | 4.6734        | 9.3033        | 1.4788       |
| ISOPENTANE.....             | 1.0430        | 2.5774        | 0.3829       |
| N-PENTANE.....              | 0.9952        | 2.4591        | 0.3621       |
| CYCLOPENTANE.....           | 0.0936        | 0.2248        | 0.0278       |
| N-HEXANE.....               | 0.1780        | 0.5253        | 0.0735       |
| CYCLOHEXANE.....            | 0.0649        | 0.1870        | 0.0222       |
| OTHER HEXANES.....          | 0.5012        | 1.4792        | 0.2069       |
| HEPTANES.....               | 0.1525        | 0.5235        | 0.0707       |
| METHYLCYCLOHEXANE.....      | 0.0451        | 0.1516        | 0.0182       |
| 2,2,4 TRIMETHYLPENTANE..... | 0.0150        | 0.0588        | 0.0076       |
| BENZENE.....                | 0.0508        | 0.1358        | 0.0143       |
| TOLUENE.....                | 0.0304        | 0.0959        | 0.0102       |
| ETHYLBENZENE.....           | 0.0072        | 0.0262        | 0.0028       |
| XYLENES.....                | 0.0059        | 0.0215        | 0.0023       |
| OCTANES.....                | 0.0582        | 0.2276        | 0.0299       |
| NONANES.....                | 0.0068        | 0.0297        | 0.0038       |
| DECANES.....                | 0.0487        | 0.2375        | 0.0300       |
| SUBTOTAL                    | 99.9665       | 99.9633       | 21.3254      |
| OXYGEN/ARGON                | 0.0335        | 0.0367        | 0.0030       |
| <b>TOTAL</b>                | <b>100.00</b> | <b>100.00</b> | <b>21.33</b> |

### BTU @

|                               |         |                |                |
|-------------------------------|---------|----------------|----------------|
| MOLECULAR WEIGHT.....         | 29.1977 | NET DRY REAL   | 1384.9508 /scf |
| RELATIVE DENSITY (AIR=1)..... | 1.0081  |                |                |
| COMPRESSIBILITY FACTOR.....   | 0.9938  | GROSS DRY REAL | 1524.0140 /scf |
|                               |         | GROSS WET REAL | 1498.1042 /scf |