

## 11.0 INCINERATOR DESIGN AND OPERATING PARAMETERS

### 11.1 Off Gas Composition

Component	Mole Percent
H <sub>2</sub> O	56.42
CO <sub>2</sub>	4.49
N <sub>2</sub>	0.47
C <sub>1</sub>	21.00
C <sub>2</sub>	6.98
C <sub>3</sub>	3.05
iC <sub>4</sub>	0.54
nC <sub>4</sub>	1.30
iC <sub>5</sub>	0.31
nC <sub>5</sub>	0.41
Cyclopentane	0.03
C <sub>6</sub>	0.26
Cyclohexane	0.16
C <sub>7</sub>	0.31
Methylcyclohexane	0.14
Trimethylpentane	0.00
Benzene	0.96
Toluene	1.93
e-Benzene	0.11
Xylene	0.89
C <sub>8</sub>	0.23
Total	100.00

### 11.2 Still Off-gas Flow Rate and Conditions

Temperature (°F)		210 (Assumed)
Pressure (" W.C.)		1 (Assumed)
Design flow rate (scfd)	Normal	11,784
	Maximum	35,350

### 11.3 Fuel Gas Data

Supply pressure	100 psig (689 kPa) (Assumed)
Temperature	60 °F (16 °C) (Assumed)
Composition	Sweet Natural Gas (Assumed)