



Realize Production Potential

Zedi US Inc
541 E. Garden Dr. Unit O
Windsor, CO 80550
970-460-0055

Client:	H2E	Analysis Date:	11/9/2016
Sample ID:	Railay 28-3-1CH	Date Sampled:	11/7/2016
Unique #:	NI	Purpose:	Meter Run
Sample Temperature:	50 DEG F	Sample Pressure:	19 PSI
Sampled By:	Erik Hollaway	Type Sample:	Spot
County:	NI		

Components	Mole %	Weight %	Liq. Vol. %
Carbon Dioxide.....	3.7493	6.258	3.141
Hydrogen Sulfide.....	0.0016	0.002	0.001
Nitrogen.....	2.8058	2.981	1.515
Methane.....	65.2388	39.690	54.285
Ethane.....	8.5043	9.698	11.163
Propane.....	11.0349	18.453	14.922
iso-Butane.....	1.3757	3.032	2.209
n-Butane.....	3.7958	8.367	5.874
iso-Pentane.....	0.7769	2.126	1.395
n-Pentane.....	0.6755	1.848	1.202
Cyclopentane.....	0.0423	0.112	0.061
n-Hexane.....	0.2079	0.679	0.420
Cyclohexane.....	0.0602	0.192	0.101
Other Hexanes	0.2188	0.715	0.442
Heptanes.....	0.7213	2.741	1.633
Methylcyclohexane.....	0.1960	0.730	0.386
2,2,4-Trimethylpentane...	0.0000	0.000	0.000
Benzene.....	0.0439	0.130	0.060
Toluene.....	0.1994	0.697	0.328
Ethylbenzene.....	0.0209	0.084	0.040
Xylenes.....	0.0474	0.191	0.090
Octanes.....	0.2177	0.943	0.547
Nonanes.....	0.0438	0.213	0.121
Decanes+.....	0.0218	0.118	0.066
Totals	100.000	100.000	100.000

ADDITIONAL BETX DATA

Components	Mole %	Weight %	Liq. Vol. %
Cyclopentane	0.042	0.112	0.061
Cyclohexane	0.060	0.192	0.101
2-Methylpentane	0.138	0.450	0.278
3-Methylpentane	0.081	0.265	0.164
n-Hexane	0.208	0.679	0.420
Methylcyclohexane	0.196	0.730	0.386
2,2,4-Trimethylpentane	0.000	0.000	0.000
Benzene	0.044	0.130	0.060
Toluene	0.199	0.697	0.328
Ethylbenzene	0.021	0.084	0.040
m-Xylene	0.008	0.030	0.014
p-Xylene	0.032	0.129	0.061
o-Xylene	0.008	0.031	0.015

SPECIFIC GRAVITY @ 60/60 F, calculated.....	0.9104
TOTAL GPM (Ethane Inclusive).....	8.305
CALCULATED BTU / REAL CF @ 14.73 PSIA, dry basis.....	1429.646
CALCULATED BTU / REAL CF @ 14.73 PSIA, wet basis.....	1405.507
AVERAGE MOLECULAR WEIGHT.....	26.369
MOLAR MASS RATIO.....	0.9074
RELATIVE DENSITY (G x Z (Air) / Z), calculated.....	0.9156
IDEAL GROSS HEATING VALUE, BTU / IDEAL CF @ 14.696 PSIA.....	1418.371
COMPRESSIBILITY FACTOR (Z).....	0.99440

PROPANE GPM	3.0323
BUTANE GPM	1.6426
GASOLINE GPM (PENTANE AND HEAVIER)	1.3618

TOTAL ACID GAS MOLE %.....	3.7509
H2S MOLE %	0.0016
H2S PPM	16

VOC WEIGHT FRACTION	0.410
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NOTATION: ALL CALCULATIONS PERFORMED USING PHYSICAL CONSTANTS FROM GPA 2145-09, THE TABLES OF PHYSICAL CONSTANTS FOR HYDROCARBONS AND OTHER COMPOUNDS OF INTEREST TO THE NATURAL GAS INDUSTRY.