



EXTENDED NATURAL GAS ANALYSIS (*DHA)

MAIN PAGE

PRIMARY DB KEY: **05-045-19134** NAME/DESCRIP : **SGV FEDERAL #8-11D (8D)**
 LEASE #: **300115259, COC-58670** **BRAIDEN HEAD**
 FIELD/AREA: **PARACHUTE - #67350**

PROJECT NO. : **202405083** ANALYSIS NO. : **06**
 COMPANY NAME : **CAERUS OIL & GAS LLC** ANALYSIS DATE: **MAY 20, 2024 10:49**
 OFFICE / BRANCH: **PARACHUTE, CO** SAMPLE DATE : **MAY 9, 2024 9:00**
 CUSTOMER REF: TO:
 PRODUCER : **CAERUS PICEANCE LLC** EFFECTIVE DATE:

*****FIELD DATA*****

SAMPLE CYCLE: SAMPLE TYPE: **SPOT**
 SAMPLE PRES. : 121 psig PROBE : **NO**
 FLOW PRES. : psig CYLINDER NO. : **ECA-741**
 LAB PRES: psig SAMPLED BY : **MIKE KELLEY**
 SAMPLE TEMP. : 44 °f SAMPLING COMPANY: **CAERUS OIL & GAS LLC**
 AMBIENT TEMP.: °f H2S BY STAIN TUBE: **-** ppm mol
 H2O BY STAIN TUBE: **-** #/mmcf CO2 BY STAIN TUBE: **-** Mol %
 FIELD COMMENTS:
 LAB COMMENTS:

<u>COMPONENT</u>	<u>MOLE %</u>	<u>MASS %</u>	<u>GPM @ 14.65</u>	<u>GPM @ 14.73</u>
HELIUM	0.01	0.00	---	---
HYDROGEN	0.01	0.00	---	---
OXYGEN/ARGON	0.00	0.00	---	---
NITROGEN	0.28	0.44	---	---
CARBON DIOXIDE	0.02	0.05	---	---
METHANE	91.6155	81.7742	---	---
ETHANE	5.2146	8.7240	1.3901	1.3977
PROPANE	1.6483	4.0440	0.4527	0.4552
I-BUTANE	0.3107	1.0048	0.1009	0.1015
N-BUTANE	0.3406	1.1014	0.1069	0.1075
I-PENTANE	0.1326	0.5318	0.0470	0.0472
N-PENTANE	0.0777	0.3119	0.0280	0.0281
HEXANES PLUS	0.3400	2.0179	0.1400	0.1402
TOTALS	100.00000	100.00000	2.2656	2.2774

<u>BTEX COMPONENTS</u>	<u>MOLE%</u>	<u>WT%</u>
BENZENE	0.0008	0.0034
TOLUENE	0.0003	0.0016
ETHYLBENZENE	0.0009	0.0053
XYLENES	0.0013	0.0077
TOTAL BTEX	0.0033	0.0180

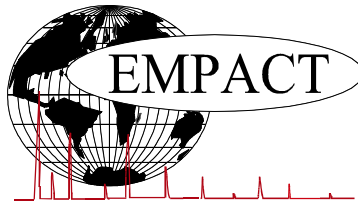
	<u>CALCULATED VALUES**</u>	
<u>BTU @</u>	<u>14.65</u>	<u>14.73</u>
LHV NET DRY REAL :	999.6 /scf	1005.1 /scf
NET WET REAL :	982.1 /scf	987.6 /scf
HHV GROSS DRY REAL :	1106.2 /scf	1112.2 /scf
GROSS WET REAL :	1086.9 /scf	1092.9 /scf
NET HEATING VALUE (60 °F ideal reaction):		21146.2 Btu/lbm
GROSS HEATING VALUE (60°F ideal reaction):		23407.5 Btu/lbm
RELATIVE DENSITY (AIR=1):		0.6183
DENSITY		0.04736 lbm/scf
COMPRESSIBILITY FACTOR :		0.9975
REGULAR WOBBE INDEX		1407.7

*(DETAILED HYDROCARBON ANALYSIS/NJ 1993)

Mod ASTM D6730, GPA 2261 & GPA 2286.

** (CALC: GPA 2172, GPA 2145 & TP-17 @14.696 & 60 F)

The data presented herein has been acquired by means of current analytical techniques and represents the judicious conclusion EMPACT Analytical Systems, Inc. Results of the analysis can be affected by the sampling conditions, therefore, are only warranted through proper lab protocol. EMPACT assumes no responsibility for interpretation or any consequences from application of the reported information and is the sole liability of the user. The reproduction in any media of this reported information may not be made, in portion or as a whole, without the written permission of EMPACT Analytical Systems, Inc.



**EXTENDED NATURAL GAS ANALYSIS (*DHA)
GLYCALC INFORMATION**

PROJECT NO. :	202405083	ANALYSIS NO. :	06
COMPANY NAME :	CAERUS OIL & GAS LLC	ANALYSIS DATE:	MAY 20, 2024 10:49
ACCOUNT NO. :		SAMPLE DATE :	MAY 9, 2024 9:00
PRODUCER :	CAERUS PICEANCE LLC	CYLINDER NO. :	ECA-741
LEASE NO. :	300115259, COC-58670	SAMPLED BY :	MIKE KELLEY
NAME/DESCRIP :	SGV FEDERAL #8-11D (8D) BRAIDEN HEAD		

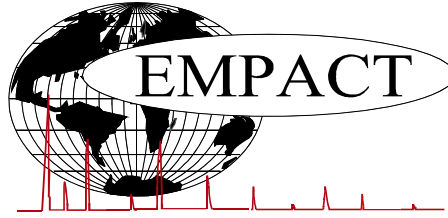
FIELD DATA		SAMPLE TEMP. :	44
SAMPLE PRES. :	121	AMBIENT TEMP.:	
H2S BY STAIN TUBE:	—		
COMMENTS :	<i>SPOT</i> <i>ppm mol</i> <i>NO PROBE</i>		

<u>Componet</u>	<u>Mole %</u>	<u>Wt %</u>
Helium	0.01	0.00
Hydrogen	0.01	0.00
Carbon Dioxide	0.02	0.05
Nitrogen	0.28	0.44
Methane	91.6155	81.7742
Ethane	5.2146	8.7240
Propane	1.6483	4.0440
Isobutane	0.3107	1.0048
n-Butane	0.3406	1.1014
Isopentane	0.1279	0.5134
n-Pentane	0.0777	0.3119
Cyclopentane	0.0047	0.0184
n-Hexane	0.0229	0.1098
Cyclohexane	0.0207	0.0969
Other Hexanes	0.0762	0.3630
Heptanes	0.0505	0.2799
Methylcyclohexane	0.0495	0.2704
2,2,4 Trimethylpentane	0.0000	0.0000
Benzene	0.0008	0.0034
Toluene	0.0003	0.0016
Ethylbenzene	0.0009	0.0053
Xylenes	0.0013	0.0077
C8+ Heavies	0.1169	0.8799
<u>Subtotal</u>	<u>100.00000</u>	<u>100.00000</u>
<u>Oxygen/Argon</u>	<u>0.00</u>	<u>0.00</u>
Total	100.00000	100.00000

	Total	C6+	C8+	C10+
Calculated Values BTU @	Sample	Fraction	Fraction	Fraction
14.65				
LHV Net Dry Real:	999.6	5390.3	6783.3	7874.9 Btu/scf
Net Wet Real:	982.1	5296.1	6664.7	7737.2 Btu/scf
HHV Gross Dry Real:	1106.2	5815.0	7335.8	8556.0 Btu/scf
Gross Wet Real:	1086.9	5713.3	7207.6	8406.4 Btu/scf
Other Calculated Values				
Regualr Wobbe Index*	1407.7	3022.7	3404.5	3694.6 Btu/scf
Net Heating Value (60 °F ideal reaction):	21146.2	19343.8	19396.4	18993.1 Btu/lbm
Gross Heating Value (60°F ideal reaction):	23407.5	20861.9	20969.1	20623.0 Btu/lbm
Molar Mass (MW):	17.9732	106.757	135	156.252 g/mol
Relative Density (AIR=1):	0.6183	3.6858	4.6618	5.3945 SG
Density:	0.04736	0.28134	0.35576	0.41175 lbm/scf
Compressibility Factor:	0.9975	0.9948	0.9989	0.9998 Z
Liquid Volume real gas @:	14.65	17.7393	0.1396	0.0508 0.0229 gal/1000 scf

* The Wobbe pressure base in the number considered is based upon the given Pb of the HHV above.
 #DIV/0 or 0 (zero) will appear in the Calculated Value Section when there is no C6+, C8+ or C10+ in the sample to calculate these factors.
 BDL - Below Detection Limit. The H2S LOS has a detection limit of 0.25 ppm. A _ (an underscore) indicates there was no tube pulled for H2S.

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**EXTENDED NATURAL GAS ANALYSIS (*DHA)
DHA COMPONENT LIST**

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 H2O BY STAIN TUBE: **- #/mmcf** CO2 BY STAIN TUBE: **- Mol %**
 FIELD COMMENTS:
 LAB COMMENTS:

COMPONENT	PIANO #	MOLE %	MASS %	GPM @	
				14.65	14.73
Helium	---	0.01	0.00	---	---
Hydrogen	---	0.01	0.00	---	---
Oxygen/Argon	---	0.00	0.00	---	---
Nitrogen	---	0.28	0.44	---	---
Carbon Dioxide	---	0.02	0.05	---	---
Methane	P1	91.6155	81.7742	---	---
Ethane	P2	5.2146	8.7240	1.390	1.398
Propane	P3	1.6483	4.0440	0.453	0.455
i-Butane	I4	0.3107	1.0048	0.101	0.102
n-Butane	P4	0.3406	1.1014	0.107	0.108
2,2-Dimethylpropane	I5	0.0034	0.0136	0.001	0.001
i-Pentane	I5	0.1245	0.4998	0.045	0.045
n-Pentane	P5	0.0777	0.3119	0.028	0.028
2,2-Dimethylbutane	I6	0.0038	0.0182	0.002	0.002
Cyclopentane	N5	0.0047	0.0184	0.001	0.001
2,3-Dimethylbutane	I6	0.0071	0.0340	0.003	0.003
2-Methylpentane	I6	0.0286	0.1371	0.012	0.012
3-Methylpentane	I6	0.0165	0.0791	0.007	0.007
n-Hexane	P6	0.0229	0.1098	0.009	0.009
2,2-Dimethylpentane	I7	0.0010	0.0056	0.000	0.000
Methylcyclopentane	N6	0.0202	0.0946	0.007	0.007
2,4-Dimethylpentane	I7	0.0021	0.0117	0.001	0.001
2,2,3-Trimethylbutane	I7	0.0005	0.0028	0.000	0.000
Benzene	A6	0.0008	0.0034	0.000	0.000
3,3-Dimethylpentane	I7	0.0007	0.0039	0.000	0.000
Cyclohexane	N6	0.0207	0.0969	0.007	0.007
2-Methylhexane	I7	0.0086	0.0480	0.004	0.004
2,3-Dimethylpentane	I7	0.0027	0.0151	0.001	0.001
1,1-Dimethylcyclopentane	N7	0.0019	0.0104	0.001	0.001
3-Methylhexane	I7	0.0084	0.0468	0.004	0.004
1c,3-Dimethylcyclopentane	N7	0.0038	0.0207	0.002	0.002
1t,3-Dimethylcyclopentane	N7	0.0033	0.0180	0.002	0.002
3-Ethylpentane	I7	0.0005	0.0028	0.000	0.000
1t,2-Dimethylcyclopentane	N7	0.0051	0.0279	0.002	0.002
n-Heptane	P7	0.0096	0.0535	0.004	0.004
1c,2-Dimethylcyclopentane	N7	0.0006	0.0033	0.000	0.000
Methylcyclohexane	N7	0.0495	0.2704	0.020	0.020
2,2-Dimethylhexane	I8	0.0012	0.0076	0.001	0.001

1,1,3-Trimethylcyclopentane	N7	0.0002	0.0012	0.000	0.000
Ethylcyclopentane	N7	0.0015	0.0082	0.001	0.001
2,5-Dimethylhexane	I8	0.0012	0.0076	0.001	0.001
2,2,3-Trimethylpentane	I8	0.0010	0.0063	0.001	0.001
2,4-Dimethylhexane	I8	0.0001	0.0006	0.000	0.000
1c,2t,4-Trimethylcyclopentane	N8	0.0010	0.0062	0.000	0.000
3,3-Dimethylhexane	I8	0.0003	0.0019	0.000	0.000
2,3,3-Trimethylpentane	I8	0.0001	0.0006	0.000	0.000
Toluene	A7	0.0003	0.0016	0.000	0.000
2,3-Dimethylhexane	I8	0.0011	0.0070	0.001	0.001
2-Methyl-3-ethylpentane	I8	0.0002	0.0013	0.000	0.000
2-Methylheptane	I8	0.0046	0.0292	0.002	0.002
4-Methylheptane	I8	0.0015	0.0095	0.001	0.001
3,4-Dimethylhexane	I8	0.0002	0.0013	0.000	0.000
3-Methylheptane	I8	0.0034	0.0216	0.002	0.002
1c,2t,3-Trimethylcyclopentane	N8	0.0084	0.0525	0.004	0.004
3-Ethylhexane	I8	0.0003	0.0019	0.000	0.000
1t,4-Dimethylcyclohexane	N8	0.0033	0.0206	0.002	0.002
1,1-Dimethylcyclohexane	N8	0.0011	0.0068	0.000	0.000
2,2,5-Trimethylhexane	I9	0.0002	0.0014	0.000	0.000
3c-Ethylmethylcyclopentane	N8	0.0004	0.0025	0.000	0.000
3t-Ethylmethylcyclopentane	N8	0.0003	0.0019	0.000	0.000
2t-Ethylmethylcyclopentane	N8	0.0004	0.0025	0.000	0.000
1,1-Methylethylcyclopentane	N8	0.0001	0.0006	0.000	0.000
2,2,4-Trimethylhexane	I9	0.0002	0.0014	0.000	0.000
1t,2-Dimethylcyclohexane	N8	0.0027	0.0169	0.001	0.001
1t,3-Dimethylcyclohexane	N8	0.0001	0.0006	0.000	0.000
n-Octane	P8	0.0040	0.0254	0.002	0.002
1c,4-Dimethylcyclohexane	N8	0.0019	0.0118	0.001	0.001
i-Propylcyclopentane	I8	0.0001	0.0006	0.000	0.000
2,3,5-Trimethylhexane	I9	0.0002	0.0014	0.000	0.000
2,2,3,4-Tetramethylpentane	I9	0.0001	0.0007	0.000	0.000
2,3,4-Trimethylhexane	I9	0.0001	0.0007	0.000	0.000
1c,2-Dimethylcyclohexane	N8	0.0001	0.0006	0.000	0.000
2,2-Dimethylheptane	I9	0.0008	0.0057	0.000	0.000
1,1,4-Trimethylcyclohexane	N9	0.0025	0.0176	0.001	0.001
2,2,3-Trimethylhexane	I9	0.0004	0.0028	0.000	0.000
2,4-Dimethylheptane	I9	0.0001	0.0007	0.000	0.000
Ethylcyclohexane	N8	0.0018	0.0112	0.001	0.001
n-Propylcyclopentane	N8	0.0009	0.0056	0.000	0.000
1c,3c,5-Trimethylcyclohexane	N9	0.0003	0.0021	0.000	0.000
2,5-Dimethylheptane	I9	0.0014	0.0100	0.001	0.001
3,3-Dimethylheptane	I9	0.0003	0.0021	0.000	0.000
3,5-Dimethylheptane	I9	0.0001	0.0007	0.000	0.000
2,6-Dimethylheptane	I9	0.0002	0.0014	0.000	0.000
1,1,3-Trimethylcyclohexane	N9	0.0001	0.0007	0.000	0.000
Ethylbenzene	I8	0.0009	0.0053	0.000	0.000
1c,2t,4t-Trimethylcyclohexane	N9	0.0001	0.0007	0.000	0.000
2,3-Dimethylheptane	I9	0.0002	0.0014	0.000	0.000
1,3-Dimethylbenzene (m-Xylene)	A8	0.0009	0.0053	0.000	0.000
1,4-Dimethylbenzene (p-Xylene)	A8	0.0002	0.0012	0.000	0.000
3,4-Dimethylheptane	I9	0.0001	0.0007	0.000	0.000
3,4-Dimethylheptane (2)	I9	0.0003	0.0021	0.000	0.000
4-Ethylheptane	I9	0.0002	0.0014	0.000	0.000
4-Methyloctane	I9	0.0009	0.0064	0.001	0.001
2-Methyloctane	I9	0.0011	0.0078	0.001	0.001
1c,2t,3-Trimethylcyclohexane	N9	0.0001	0.0007	0.000	0.000
3-Ethylheptane	I9	0.0002	0.0014	0.000	0.000
3-Methyloctane	I9	0.0002	0.0014	0.000	0.000
1c,2t,4c-Trimethylcyclohexane	I9	0.0013	0.0091	0.001	0.001
1,1,2-Trimethylcyclohexane	N9	0.0001	0.0007	0.000	0.000
3,3-Diethylpentane	I9	0.0001	0.0007	0.000	0.000
1,2-Dimethylbenzene (o-Xylene)	A8	0.0002	0.0012	0.000	0.000
i-Butylcyclopentane	N9	0.0010	0.0070	0.001	0.001
UnknownC8s	U8	0.0003	0.0019	0.000	0.000
n-Nonane	P9	0.0024	0.0171	0.001	0.001
1,1-Methylethylcyclohexane	N9	0.0005	0.0035	0.000	0.000

i-Propylbenzene	A9	0.0004	0.0027	0.000	0.000
i-Propylcyclohexane	N9	0.0002	0.0014	0.000	0.000
2,2-Dimethyloctane	I10	0.0002	0.0016	0.000	0.000
2,4-Dimethyloctane	I10	0.0002	0.0016	0.000	0.000
2,6-Dimethyloctane	I10	0.0001	0.0008	0.000	0.000
2,5-Dimethyloctane	I10	0.0001	0.0008	0.000	0.000
n-Butylcyclopentane	N9	0.0007	0.0049	0.000	0.000
3,3-Dimethyloctane	I10	0.0002	0.0016	0.000	0.000
n-Propylbenzene	A9	0.0010	0.0067	0.000	0.000
3,6-Dimethyloctane	I10	0.0003	0.0024	0.000	0.000
3-Methyl-5-ethylheptane	I10	0.0004	0.0032	0.000	0.000
1,3-Methylethylbenzene	A9	0.0002	0.0013	0.000	0.000
1,4-Methylethylbenzene	A9	0.0001	0.0007	0.000	0.000
1,3,5-Trimethylbenzene	A9	0.0003	0.0020	0.000	0.000
2,3-Dimethyloctane	I10	0.0002	0.0016	0.000	0.000
5-Methylnonane	I10	0.0007	0.0056	0.000	0.000
1,2-Methylethylbenzene	A9	0.0001	0.0007	0.000	0.000
2-Methylnonane	I10	0.0007	0.0056	0.000	0.000
3-Ethyloctane	I10	0.0003	0.0024	0.000	0.000
3-Methylnonane	I10	0.0006	0.0047	0.000	0.000
t-Butylbenzene	A10	0.0009	0.0067	0.000	0.000
i-Butylcyclohexane	N10	0.0004	0.0031	0.000	0.000
1t-Methyl-2-n-propylcyclohexane	I10	0.0002	0.0016	0.000	0.000
i-Butylbenzene	A10	0.0001	0.0007	0.000	0.000
sec-Butylbenzene	A10	0.0001	0.0007	0.000	0.000
UnknownC9s	U9	0.0016	0.0114	0.001	0.001
n-Decane	P10	0.0037	0.0293	0.002	0.002
1,2,3-Trimethylbenzene	A9	0.0001	0.0007	0.000	0.000
1,3-Methyl-i-propylbenzene	A10	0.0001	0.0007	0.000	0.000
1,4-Methyl-i-propylbenzene	A10	0.0009	0.0067	0.001	0.001
1,2-Methyl-i-propylbenzene	A10	0.0005	0.0037	0.000	0.000
3-Ethylnonane	I10	0.0003	0.0026	0.000	0.000
1,3-Diethylbenzene	A10	0.0003	0.0022	0.000	0.000
1,3-Methyl-n-propylbenzene	A10	0.0004	0.0030	0.000	0.000
1,4-Diethylbenzene	A10	0.0001	0.0007	0.000	0.000
1,4-Methyl-n-propylbenzene	A10	0.0002	0.0015	0.000	0.000
n-Butylbenzene	A10	0.0003	0.0022	0.000	0.000
1,3-Dimethyl-5-ethylbenzene	A10	0.0005	0.0037	0.000	0.000
1,2-Diethylbenzene	A10	0.0002	0.0015	0.000	0.000
1,2-Methyl-n-propylbenzene	A10	0.0005	0.0037	0.000	0.000
1,3-Dimethyl-4-ethylbenzene	A10	0.0007	0.0052	0.000	0.000
1,2-Dimethyl-4-ethylbenzene	A10	0.0002	0.0015	0.000	0.000
1,3-Dimethyl-2-ethylbenzene	A10	0.0007	0.0052	0.000	0.000
1,2-Dimethyl-3-ethylbenzene	A10	0.0002	0.0015	0.000	0.000
1,2-Ethyl-i-propylbenzene	A10	0.0003	0.0024	0.000	0.000
1,4-Methyl-t-butylbenzene	A11	0.0002	0.0017	0.000	0.000
UnknownC10s	U10	0.0029	0.0230	0.002	0.002
n-Undecane	P11	0.0052	0.0452	0.003	0.003
1,4-Ethyl-i-propylbenzene	A11	0.0008	0.0066	0.001	0.001
1,2,4,5-Tetramethylbenzene	A11	0.0002	0.0015	0.000	0.000
1,2-Methyl-n-butylbenzene	A11	0.0006	0.0049	0.000	0.000
1,2,3,5-Tetramethylbenzene	A11	0.0004	0.0030	0.000	0.000
1,2-Methyl-t-butylbenzene	A11	0.0005	0.0041	0.000	0.000
5-Methylindan	A11	0.0003	0.0022	0.000	0.000
4-Methylindan	A11	0.0003	0.0022	0.000	0.000
1,2-Ethyl-n-propylbenzene	A11	0.0005	0.0041	0.000	0.000
2-Methylindan	A11	0.0002	0.0014	0.000	0.000
1,3-Methyl-n-butylbenzene	A11	0.0003	0.0024	0.000	0.000
1,3-Di-i-propylbenzene	A11	0.0004	0.0036	0.000	0.000
sec-Pentylbenzene	A11	0.0004	0.0033	0.000	0.000
n-Pentylbenzene	A11	0.0003	0.0024	0.000	0.000
1,2-Di-n-propylbenzene	A11	0.0005	0.0045	0.000	0.000
1,4-Di-i-propylbenzene	A11	0.0002	0.0018	0.000	0.000
Tetrahydronaphthalene	A10	0.0002	0.0014	0.000	0.000

Naphthalene	A10	0.0003	0.0021	0.000	0.000
1-t-Butyl-3,5-dimethylbenzene	A12	0.0003	0.0027	0.000	0.000
1,4-Ethyl-t-butylbenzene	A11	0.0008	0.0072	0.001	0.001
1,3-Di-n-propylbenzene	A12	0.0002	0.0018	0.000	0.000
UnknownC11s	U11	0.0043	0.0374	0.003	0.003
n-Dodecane	P12	0.0024	0.0228	0.002	0.002
1,3,5-Triethylbenzene	A12	0.0008	0.0072	0.000	0.000
1,2,4-Triethylbenzene	A12	0.0002	0.0018	0.000	0.000
1,4-Methyl-n-pentylbenzene	A12	0.0005	0.0045	0.000	0.000
n-Hexylbenzene	A12	0.0002	0.0018	0.000	0.000
1,2,3,4,5-Pentamethylbenzene	A13	0.0003	0.0024	0.000	0.000
2-Methylnaphthalene	A11	0.0003	0.0024	0.000	0.000
1-Methylnaphthalene	A11	0.0001	0.0008	0.000	0.000
UnknownC12s	U12	0.0062	0.0539	0.004	0.004
n-Tridecane	P13	0.0006	0.0062	0.000	0.000
UnknownC13s	U13	0.0042	0.0431	0.003	0.003
n-Tetradecane	P14	0.0001	0.0011	0.000	0.000
UnknownC14s	U14	0.0008	0.0088	0.001	0.001
n-Pentadecane	P15	0.0001	0.0012	0.000	0.000
UnknownC15s	U15	0.0002	0.0023	0.000	0.000
n-Hexadecane	P16	0.0001	0.0013	0.000	0.000
n-Heptadecane	P17	0.0001	0.0013	0.000	0.000
n-Octadecane	P18	0.0001	0.0014	0.000	0.000
UnknownC18s	U18	0.0001	0.0014	0.000	0.000
n-Nonadecane	P19	0.0001	0.0015	0.000	0.000
n-Eicosane	P20	0.0002	0.0031	0.000	0.000
n-Heneicosane	P21	0.0002	0.0033	0.000	0.000
n-Docosane	P22	0.0003	0.0052	0.000	0.000
TOTAL		100.00000	100.00000	2.2656	2.2774

CALCULATED VALUES**

BTEX COMPONENTS	MOLE%	WT%	BTU @	14.65	14.73
BENZENE	0.0008	0.0034	LHV NET DRY REAL :	999.6 /scf	1005.1 /scf
TOLUENE	0.0003	0.0016	NET WET REAL :	982.1 /scf	987.6 /scf
ETHYLBENZENE	0.0009	0.0053	HHV GROSS DRY REAL :	1106.2 /scf	1112.2 /scf
XYLENES	0.0013	0.0077	GROSS WET REAL :	1086.9 /scf	1092.9 /scf
TOTAL BTEX	0.0033	0.0180	NET HEATING VALUE (60 °F ideal reaction):		21146.2 Btu/lbm
			GROSS HEATING VALUE (60°F ideal reaction):		23407.5 Btu/lbm
			RELATIVE DENSITY (AIR=1):		0.6183
			DENSITY		0.04736 lb/scf
			COMPRESSIBILITY FACTOR :		0.9975
			REGULAR WOBBE INDEX		1407.7

*(DETAILED HYDROCARBON ANALYSIS/NJ 1993)
Mod ASTM D6730, GPA 2261 & GPA 2286.

** (CALC: GPA 2172, GPA 2145 & TP-17 @14.696 & 60 F)

C6+ Fraction of DHA Gas Analysis @60°F, 14.696 psia

Net Dry Ideal BTU	<u>5379.3</u> /scf	Relative Density - SG (Air=1)	<u>3.6858</u>	C6+ factors
Gross Dry Ideal BTU	<u>5803.1</u> /scf	Z Compressibility Factor	<u>0.99483</u>	<u>0.99344</u>
Net Dry Ideal BTU	<u>19343.8</u> /lb	Density Factor	<u>281.345</u> lbm/1000 ft ³	
Gross Dry Ideal BTU	<u>20861.9</u> /lb	Molar Mass or MW	<u>106.757</u> g/mol	
		Volume Liquid Ideal gas	<u>0.14</u> scf/gal	<u>20.7</u>
This hexanes plus fraction may be applied in place of published C6+ factors. The Z & GPM need additional calc for C6+ factors.				
#DIV/0 or 0 (zero) will appear in this section when there is no hexanes plus in the sample to calculate C6+ factors.				

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