



EXTENDED NATURAL GAS ANALYSIS (*DHA)

MAIN PAGE

PRIMARY DB KEY: **05-045-19132** NAME/DESCRIP : **SGV FEDERAL #8-11C (8D)**
 LEASE #: **300115258, COC-58670** **BRAIDEN HEAD**
 FIELD/AREA: **PARACHUTE - #67350**

PROJECT NO. : **202405084** ANALYSIS NO. : **06**
 COMPANY NAME : **CAERUS OIL & GAS LLC** ANALYSIS DATE: **MAY 21, 2024 10:45**
 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. : 49 psig PROBE : NO
 FLOW PRES. : psig CYLINDER NO. : ECA-700
 LAB PRES: psig SAMPLED BY : ALEX GALLEGOS
 SAMPLE TEMP. : 49 °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:

COMPONENT	MOLE %	MASS %	GPM @	
			14.65	14.73
ALCOHOLS	0.0001	0.0004	0.0000	0.0000
HELIUM	0.00	0.00	---	---
HYDROGEN	0.03	0.00	---	---
OXYGEN/ARGON	0.00	0.00	---	---
NITROGEN	0.12	0.19	---	---
CARBON DIOXIDE	0.02	0.05	---	---
METHANE	91.2982	80.9420	---	---
ETHANE	5.4691	9.0881	1.4581	1.4661
PROPANE	1.7404	4.2411	0.4777	0.4803
I-BUTANE	0.3252	1.0445	0.1059	0.1065
N-BUTANE	0.3633	1.1669	0.1139	0.1146
I-PENTANE	0.1408	0.5609	0.0500	0.0502
N-PENTANE	0.0863	0.3441	0.0310	0.0311
HEXANES PLUS	0.4066	2.3720	0.1720	0.1723
TOTALS	100.00000	100.00000	2.4086	2.4211

BTEX COMPONENTS	MOLE%	WT%
BENZENE	0.0014	0.0060
TOLUENE	0.0005	0.0025
ETHYLBENZENE	0.0021	0.0123
XYLENES	0.0033	0.0194
TOTAL BTEX	0.0073	0.0402

	CALCULATED VALUES**	
	14.65	14.73
BTU @		
LHV NET DRY REAL :	1007.9 /scf	1013.4 /scf
NET WET REAL :	990.3 /scf	995.8 /scf
HHV GROSS DRY REAL :	1115.1 /scf	1121.2 /scf
GROSS WET REAL :	1095.6 /scf	1101.7 /scf
NET HEATING VALUE (60 °F ideal reaction):		21181.9 Btu/lbm
GROSS HEATING VALUE (60°F ideal reaction):		23441.7 Btu/lbm
RELATIVE DENSITY (AIR=1):		0.6231
DENSITY		0.04768 lbm/scf
COMPRESSIBILITY FACTOR :		0.9975
REGULAR WOBBE INDEX		1413.5

*(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. :	202405084	ANALYSIS NO. :	06
COMPANY NAME :	CAERUS OIL & GAS LLC	ANALYSIS DATE:	MAY 21, 2024 10:45
ACCOUNT NO. :		SAMPLE DATE :	MAY 9, 2024 9:00
PRODUCER :	CAERUS PICEANCE LLC	CYLINDER NO. :	ECA-700
LEASE NO. :	300115258, COC-58670	SAMPLED BY :	ALEX GALLEGOS
NAME/DESCRIP :	SGV FEDERAL #8-11C (8D) BRAIDEN HEAD		

FIELD DATA		SAMPLE TEMP. :	49
SAMPLE PRES. :	49	AMBIENT TEMP.:	
H2S BY STAIN TUBE:	— ppm mol		
COMMENTS :	SPOT NO PROBE		

<u>Componet</u>	<u>Mole %</u>	<u>Wt %</u>
Helium	0.00	0.00
Hydrogen	0.03	0.00
Carbon Dioxide	0.02	0.05
Nitrogen	0.12	0.19
Methane	91.2982	80.9420
Ethane	5.4691	9.0881
Propane	1.7404	4.2411
Isobutane	0.3252	1.0445
n-Butane	0.3633	1.1669
Isopentane	0.1360	0.5423
n-Pentane	0.0863	0.3441
Cyclopentane	0.0048	0.0186
n-Hexane	0.0287	0.1367
Cyclohexane	0.0223	0.1037
Other Hexanes	0.0839	0.3972
Heptanes	0.0556	0.3059
Methylcyclohexane	0.0566	0.3071
2,2,4 Trimethylpentane	0.0000	0.0000
Benzene	0.0014	0.0060
Toluene	0.0005	0.0025
Ethylbenzene	0.0021	0.0123
Xylenes	0.0033	0.0194
C8+ Heavies	0.1522	1.0812
<u>Subtotal</u>	<u>99.99990</u>	<u>99.99960</u>
Oxygen/Argon	0.00	0.00
Alcohols	0.0001	0.0004
<u>Total</u>	<u>100.00000</u>	<u>100.00000</u>

	<u>Total</u>	<u>C6+</u>	<u>C8+</u>	<u>C10+</u>
Calculated Values BTU @ <u>14.65</u>	Sample	Fraction	Fraction	Fraction
LHV Net Dry Real:	1007.9	5324.3	6408.9	7614.7 Btu/scf
Net Wet Real:	990.3	5231.2	6296.9	7481.6 Btu/scf
HHV Gross Dry Real:	1115.1	5737.7	6914.3	8264.2 Btu/scf
Gross Wet Real:	1095.6	5637.4	6793.4	8119.7 Btu/scf
Other Calculated Values				
Regualr Wobbe Index*	1413.5	2998.6	3296.5	3623.6 Btu/scf
Net Heating Value (60 °F ideal reaction):	21181.9	19338.4	19399.0	18796.8 Btu/lbm
Gross Heating Value (60°F ideal reaction):	23441.7	20834.8	20924.5	20391.4 Btu/lbm
Molar Mass (MW):	18.09484	105.616	127.882	151.529 g/mol
Relative Density (AIR=1):	0.6231	3.6471	4.4146	5.2317 SG
Density:	0.04768	0.27831	0.33698	0.39931 lbm/scf
Compressibility Factor:	0.9975	0.9949	0.9986	0.9998 Z
Liquid Volume real gas @: <u>14.65</u>	17.8111	0.1715	0.0718	0.0199 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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 FLOW PRES. : psig CYLINDER NO. : **ECA-700**
 LAB PRES: psig SAMPLED BY : **ALEX GALLEGOS**
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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	GPM @ 14.73
Helium	---	0.00	0.00	---	---
Hydrogen	---	0.03	0.00	---	---
Oxygen/Argon	---	0.00	0.00	---	---
Nitrogen	---	0.12	0.19	---	---
Carbon Dioxide	---	0.02	0.05	---	---
Methane	P1	91.2982	80.9420	---	---
Ethane	P2	5.4691	9.0881	1.458	1.466
Propane	P3	1.7404	4.2411	0.478	0.480
i-Butane	I4	0.3252	1.0445	0.106	0.107
n-Butane	P4	0.3633	1.1669	0.114	0.115
2,2-Dimethylpropane	I5	0.0035	0.0140	0.001	0.001
i-Pentane	I5	0.1325	0.5283	0.048	0.048
n-Pentane	P5	0.0863	0.3441	0.031	0.031
t-Butanol	X4	0.0001	0.0004	0.000	0.000
2,2-Dimethylbutane	I6	0.0041	0.0195	0.002	0.002
Cyclopentane	N5	0.0048	0.0186	0.001	0.001
2,3-Dimethylbutane	I6	0.0074	0.0353	0.003	0.003
2-Methylpentane	I6	0.0329	0.1567	0.014	0.014
3-Methylpentane	I6	0.0177	0.0843	0.007	0.007
n-Hexane	P6	0.0287	0.1367	0.012	0.012
2,2-Dimethylpentane	I7	0.0010	0.0055	0.000	0.000
Methylcyclopentane	N6	0.0218	0.1014	0.008	0.008
2,4-Dimethylpentane	I7	0.0020	0.0110	0.001	0.001
2,2,3-Trimethylbutane	I7	0.0005	0.0028	0.000	0.000
Benzene	A6	0.0014	0.0060	0.000	0.000
3,3-Dimethylpentane	I7	0.0007	0.0039	0.000	0.000
Cyclohexane	N6	0.0223	0.1037	0.008	0.008
2-Methylhexane	I7	0.0097	0.0537	0.004	0.004
2,3-Dimethylpentane	I7	0.0026	0.0144	0.001	0.001
1,1-Dimethylcyclopentane	N7	0.0020	0.0108	0.001	0.001

3-Methylhexane	I7	0.0095	0.0526	0.004	0.004
1c,3-Dimethylcyclopentane	N7	0.0038	0.0206	0.002	0.002
1t,3-Dimethylcyclopentane	N7	0.0034	0.0185	0.002	0.002
3-Ethylpentane	I7	0.0005	0.0028	0.000	0.000
1t,2-Dimethylcyclopentane	N7	0.0054	0.0293	0.002	0.002
n-Heptane	P7	0.0118	0.0653	0.005	0.005
1c,2-Dimethylcyclopentane	N7	0.0004	0.0022	0.000	0.000
Methylcyclohexane	N7	0.0566	0.3071	0.023	0.023
2,2-Dimethylhexane	I8	0.0013	0.0082	0.001	0.001
1,1,3-Trimethylcyclopentane	N7	0.0002	0.0012	0.000	0.000
Ethylcyclopentane	N7	0.0020	0.0108	0.001	0.001
2,5-Dimethylhexane	I8	0.0013	0.0082	0.001	0.001
2,2,3-Trimethylpentane	I8	0.0011	0.0070	0.001	0.001
2,4-Dimethylhexane	I8	0.0002	0.0013	0.000	0.000
1c,2t,4-Trimethylcyclopentane	N8	0.0012	0.0075	0.001	0.001
3,3-Dimethylhexane	I8	0.0004	0.0025	0.000	0.000
2,3,3-Trimethylpentane	I8	0.0001	0.0006	0.000	0.000
Toluene	A7	0.0005	0.0025	0.000	0.000
2,3-Dimethylhexane	I8	0.0013	0.0082	0.001	0.001
2-Methyl-3-ethylpentane	I8	0.0002	0.0013	0.000	0.000
2-Methylheptane	I8	0.0061	0.0385	0.003	0.003
4-Methylheptane	I8	0.0021	0.0133	0.001	0.001
3-Methyl-3-ethylpentane	I8	0.0003	0.0019	0.000	0.000
3,4-Dimethylhexane	I8	0.0002	0.0013	0.000	0.000
1c,2c,4-Trimethylcyclopentane	N8	0.0001	0.0006	0.000	0.000
3-Methylheptane	I8	0.0047	0.0297	0.002	0.002
1c,2t,3-Trimethylcyclopentane	N8	0.0114	0.0707	0.006	0.006
3-Ethylhexane	I8	0.0004	0.0025	0.000	0.000
1t,4-Dimethylcyclohexane	N8	0.0045	0.0279	0.002	0.002
1,1-Dimethylcyclohexane	N8	0.0014	0.0087	0.001	0.001
2,2,5-Trimethylhexane	I9	0.0002	0.0014	0.000	0.000
3c-Ethylmethylcyclopentane	N8	0.0005	0.0031	0.000	0.000
3t-Ethylmethylcyclopentane	N8	0.0004	0.0025	0.000	0.000
2t-Ethylmethylcyclopentane	N8	0.0005	0.0031	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	0.0039	0.0242	0.002	0.002
1t,3-Dimethylcyclohexane	N8	0.0001	0.0006	0.000	0.000
UnknownC7s	U7	0.0001	0.0005	0.000	0.000
n-Octane	P8	0.0098	0.0618	0.005	0.005
1c,4-Dimethylcyclohexane	N8	0.0032	0.0198	0.002	0.002
i-Propylcyclopentane	I8	0.0003	0.0019	0.000	0.000
2,3,5-Trimethylhexane	I9	0.0004	0.0028	0.000	0.000
2,2,3,4-Tetramethylpentane	I9	0.0001	0.0007	0.000	0.000
2,3,4-Trimethylhexane	I9	0.0002	0.0014	0.000	0.000
1c,2-Dimethylcyclohexane	N8	0.0001	0.0006	0.000	0.000
2,2-Dimethylheptane	I9	0.0014	0.0099	0.001	0.001
1,1,4-Trimethylcyclohexane	N9	0.0049	0.0342	0.003	0.003
2,2,3-Trimethylhexane	I9	0.0008	0.0057	0.000	0.000
2,4-Dimethylheptane	I9	0.0003	0.0021	0.000	0.000
4,4-Dimethylheptane	I9	0.0001	0.0007	0.000	0.000
Ethylcyclohexane	N8	0.0033	0.0204	0.001	0.001
n-Propylcyclopentane	N8	0.0016	0.0099	0.001	0.001
1c,3c,5-Trimethylcyclohexane	N9	0.0005	0.0035	0.000	0.000
2,5-Dimethylheptane	I9	0.0025	0.0177	0.001	0.001
3,3-Dimethylheptane	I9	0.0004	0.0028	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	0.0003	0.0021	0.000	0.000
Ethylbenzene	I8	0.0021	0.0123	0.001	0.001
1c,2t,4t-Trimethylcyclohexane	N9	0.0002	0.0014	0.000	0.000
2,3-Dimethylheptane	I9	0.0003	0.0021	0.000	0.000
1,3-Dimethylbenzene (m-Xylene)	A8	0.0024	0.0141	0.001	0.001

1,4-Dimethylbenzene (p-Xylene)	A8	0.0007	0.0041	0.000	0.000
3,4-Dimethylheptane	I9	0.0002	0.0014	0.000	0.000
3,4-Dimethylheptane (2)	I9	0.0005	0.0035	0.000	0.000
4-Ethylheptane	I9	0.0004	0.0028	0.000	0.000
4-Methyloctane	I9	0.0021	0.0149	0.001	0.001
2-Methyloctane	I9	0.0026	0.0184	0.001	0.001
1c,2t,3-Trimethylcyclohexane	N9	0.0003	0.0021	0.000	0.000
3-Ethylheptane	I9	0.0003	0.0021	0.000	0.000
3-Methyloctane	I9	0.0004	0.0028	0.000	0.000
1c,2t,4c-Trimethylcyclohexane	I9	0.0030	0.0209	0.002	0.002
1,1,2-Trimethylcyclohexane	N9	0.0002	0.0014	0.000	0.000
3,3-Diethylpentane	I9	0.0003	0.0021	0.000	0.000
1,2-Dimethylbenzene (o-Xylene)	A8	0.0002	0.0012	0.000	0.000
i-Butylcyclopentane	N9	0.0023	0.0160	0.001	0.001
n-Nonane	P9	0.0075	0.0532	0.004	0.004
1,1-Methylethylcyclohexane	N9	0.0012	0.0083	0.001	0.001
i-Propylbenzene	A9	0.0007	0.0046	0.000	0.000
i-Propylcyclohexane	N9	0.0005	0.0035	0.000	0.000
2,2-Dimethyloctane	I10	0.0003	0.0024	0.000	0.000
2,4-Dimethyloctane	I10	0.0004	0.0031	0.000	0.000
2,6-Dimethyloctane	I10	0.0003	0.0024	0.000	0.000
2,5-Dimethyloctane	I10	0.0002	0.0015	0.000	0.000
n-Butylcyclopentane	N9	0.0016	0.0112	0.001	0.001
3,3-Dimethyloctane	I10	0.0007	0.0055	0.000	0.000
n-Propylbenzene	A9	0.0018	0.0119	0.001	0.001
3,6-Dimethyloctane	I10	0.0002	0.0015	0.000	0.000
3-Methyl-5-ethylheptane	I10	0.0004	0.0031	0.000	0.000
1,3-Methylethylbenzene	A9	0.0004	0.0026	0.000	0.000
1,4-Methylethylbenzene	A9	0.0002	0.0013	0.000	0.000
1,3,5-Trimethylbenzene	A9	0.0008	0.0053	0.000	0.000
2,3-Dimethyloctane	I10	0.0004	0.0031	0.000	0.000
5-Methylnonane	I10	0.0011	0.0087	0.001	0.001
1,2-Methylethylbenzene	A9	0.0003	0.0020	0.000	0.000
2-Methylnonane	I10	0.0010	0.0078	0.001	0.001
3-Ethylheptane	I10	0.0004	0.0031	0.000	0.000
3-Methylnonane	I10	0.0009	0.0071	0.001	0.001
t-Butylbenzene	A10	0.0010	0.0074	0.000	0.000
i-Butylcyclohexane	N10	0.0005	0.0039	0.000	0.000
1t-Methyl-2-n-propylcyclohexane	I10	0.0002	0.0015	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	0.0037	0.0262	0.002	0.002
n-Decane	P10	0.0030	0.0236	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	0.0004	0.0030	0.000	0.000
3-Ethylnonane	I10	0.0002	0.0017	0.000	0.000
1,3-Diethylbenzene	A10	0.0002	0.0015	0.000	0.000
1,3-Methyl-n-propylbenzene	A10	0.0003	0.0022	0.000	0.000
1,4-Diethylbenzene	A10	0.0003	0.0022	0.000	0.000
1,4-Methyl-n-propylbenzene	A10	0.0001	0.0007	0.000	0.000
n-Butylbenzene	A10	0.0002	0.0015	0.000	0.000
1,3-Dimethyl-5-ethylbenzene	A10	0.0004	0.0030	0.000	0.000
1,2-Diethylbenzene	A10	0.0002	0.0015	0.000	0.000
1,2-Methyl-n-propylbenzene	A10	0.0003	0.0022	0.000	0.000
1,3-Dimethyl-4-ethylbenzene	A10	0.0006	0.0045	0.000	0.000
1,2-Dimethyl-4-ethylbenzene	A10	0.0002	0.0015	0.000	0.000
1,3-Dimethyl-2-ethylbenzene	A10	0.0006	0.0045	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	0.0045	0.0354	0.003	0.003
n-Undecane	P11	0.0036	0.0311	0.002	0.002

1,4-Ethyl-i-propylbenzene	A11	0.0006	0.0049	0.000	0.000
1,2,4,5-Tetramethylbenzene	A11	0.0002	0.0015	0.000	0.000
1,2-Methyl-n-butylbenzene	A11	0.0005	0.0041	0.000	0.000
1,2,3,5-Tetramethylbenzene	A11	0.0002	0.0015	0.000	0.000
1,2-Methyl-t-butylbenzene	A11	0.0004	0.0033	0.000	0.000
5-Methylindan	A11	0.0002	0.0014	0.000	0.000
4-Methylindan	A11	0.0002	0.0014	0.000	0.000
1,2-Ethyl-n-propylbenzene	A11	0.0003	0.0024	0.000	0.000
2-Methylindan	A11	0.0001	0.0007	0.000	0.000
1,3-Methyl-n-butylbenzene	A11	0.0002	0.0017	0.000	0.000
1,3-Di-i-propylbenzene	A11	0.0003	0.0027	0.000	0.000
sec-Pentylbenzene	A11	0.0003	0.0024	0.000	0.000
n-Pentylbenzene	A11	0.0001	0.0008	0.000	0.000
1,2-Di-n-propylbenzene	A11	0.0004	0.0036	0.000	0.000
Tetrahydronaphthalene	A10	0.0001	0.0007	0.000	0.000
Naphthalene	A10	0.0002	0.0014	0.000	0.000
1-t-Butyl-3,5-dimethylbenzene	A12	0.0002	0.0018	0.000	0.000
1,4-Ethyl-t-butylbenzene	A11	0.0003	0.0027	0.000	0.000
1,3-Di-n-propylbenzene	A12	0.0004	0.0036	0.000	0.000
UnknownC11s	U11	0.0033	0.0285	0.002	0.002
n-Dodecane	P12	0.0018	0.0170	0.001	0.001
1,3,5-Triethylbenzene	A12	0.0006	0.0054	0.000	0.000
1,2,4-Triethylbenzene	A12	0.0002	0.0018	0.000	0.000
1,4-Methyl-n-pentylbenzene	A12	0.0004	0.0036	0.000	0.000
n-Hexylbenzene	A12	0.0002	0.0018	0.000	0.000
1,2,3,4,5-Pentamethylbenzene	A13	0.0002	0.0017	0.000	0.000
2-Methylnaphthalene	A11	0.0003	0.0024	0.000	0.000
UnknownC12s	U12	0.0040	0.0345	0.003	0.003
n-Tridecane	P13	0.0004	0.0041	0.000	0.000
UnknownC13s	U13	0.0029	0.0296	0.002	0.002
n-Tetradecane	P14	0.0001	0.0011	0.000	0.000
UnknownC14s	U14	0.0010	0.0109	0.001	0.001
TOTAL		100.00000	100.00000	2.4086	2.4211

CALCULATED VALUES**

BTEX COMPONENTS	MOLE%	WT%	BTU @	14.65	14.73
BENZENE	0.0014	0.0060	LHV NET DRY REAL :	1007.9 /scf	1013.4 /scf
TOLUENE	0.0005	0.0025	NET WET REAL :	990.3 /scf	995.8 /scf
ETHYLBENZENE	0.0021	0.0123	HHV GROSS DRY REAL :	1115.1 /scf	1121.2 /scf
XYLENES	0.0033	0.0194	GROSS WET REAL :	1095.6 /scf	1101.7 /scf
TOTAL BTEX	0.0073	0.0402	NET HEATING VALUE (60 °F ideal reaction):		21181.9 Btu/lbm
			GROSS HEATING VALUE (60°F ideal reaction):		23441.7 Btu/lbm
			RELATIVE DENSITY (AIR=1):		0.6231
			DENSITY		0.04768 lb/scf
			COMPRESSIBILITY FACTOR :		0.9975
			REGULAR WOBBE INDEX		1413.5

*(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	5313.9 /scf	Relative Density - SG (Air=1)	3.6471	C6+ factors
Gross Dry Ideal BTU	5726.5 /scf	Z Compressibility Factor	0.99492	0.99378
Net Dry Ideal BTU	19338.4 /lb	Density Factor	278.313 lbm/1000 ft3	
Gross Dry Ideal BTU	20834.8 /lb	Molar Mass or MW	105.616 g/mol	
		Volume Liquid Ideal gas	0.172 scf/gal	20.8

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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