EXTENDED NATURAL GAS ANALYSIS (*DHA)

MAIN PAGE

PRIMARY DB KEY:	**05-045-15109**	NAME/DESCRIP :	**MF C28 MF16C-21 696**
LEASE #:	**110165627**		**BRAIDEN HEAD**
FIELD/AREA:	**GRAND VALLEY - #31290**		
PROJECT NO. :	**202407082**	ANALYSIS NO. :	**01**
COMPANY NAME :	**CAERUS OIL & GAS LLC**	ANALYSIS DATE:	JULY 26, 2024 13:54
OFFICE / BRANCH:	PARACHUTE	SAMPLE DATE :	JULY 16, 2024 7:30
CUSTOMER REF:		TO:	
PRODUCER :	CAERUS PICEANCE LLC	EFFECTIVE DATE:	

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

SAMPLE CYCLE:			SAMPLE TYPE:	SPOT
SAMPLE PRES. :	15	psig	PROBE :	NO
FLOW PRES. :		psig	CYLINDER NO. :	ECA-722
LAB PRES:		psig	SAMPLED BY :	ALEX GALLEGOS
SAMPLE TEMP. :	73	ºf	SAMPLING COMPANY:	CAERUS OIL & GAS LLC
AMBIENT TEMP.:		ºf	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	GPM @ 14.73
ALCOHOLS	0.0006	0.0010	0.0000	0.0000
HELIUM	0.02	0.00	---	---
HYDROGEN	0.00	0.00	---	---
OXYGEN/ARGON	0.00	0.00	---	---
NITROGEN	0.46	0.71	---	---
CARBON DIOXIDE	0.02	0.05	---	---
METHANE	94.8153	83.5730	---	---
ETHANE	2.5392	4.1950	0.6763	0.6800
PROPANE	0.7306	1.7701	0.2008	0.2019
I-BUTANE	0.1063	0.3394	0.0350	0.0352
N-BUTANE	0.1483	0.4736	0.0470	0.0472
I-PENTANE	0.0563	0.2229	0.0210	0.0211
N-PENTANE	0.0059	0.0234	0.0020	0.0020
HEXANES PLUS	1.0975	8.6416	0.6618	0.6640
TOTALS	100.00000	100.00000	1.6439	1.6514

BTEX COMPONENTS	MOLE%	WT%
BENZENE	0.0002	0.0009
TOLUENE	0.0005	0.0025
ETHYLBENZENE	0.0009	0.0053
XYLENES	0.0111	0.0648
TOTAL BTEX	0.0127	0.0735

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

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

CALCULATED VALUES**

	BTU @	14.65	14.73
LHV	NET DRY REAL :	1007.7 /scf	1013.2 /scf
	NET WET REAL :	990.1 /scf	995.6 /scf
HHV	GROSS DRY REAL :	1115.5 /scf	1121.6 /scf
	GROSS WET REAL :	1096.0 /scf	1102.1 /scf

NET HEATING VALUE (60 °F ideal reaction):	21004.8 **Btu/lbm**
GROSS HEATING VALUE (60°F ideal reaction):	23254.2 **Btu/lbm**
RELATIVE DENSITY (AIR=1):	0.6276
DENSITY	0.04796 **lbm/scf**
COMPRESSIBILITY FACTOR :	0.9978
REGULAR WOBBE INDEX	1409.5

EMPACT

EXTENDED NATURAL GAS ANALYSIS (*DHA)

GLYCALC INFORMATION

PROJECT NO. :	202407082	ANALYSIS NO. :	01
COMPANY NAME :	CAERUS OIL & GAS LLC	ANALYSIS DATE:	JULY 26, 2024 13:54
ACCOUNT NO. :		SAMPLE DATE :	JULY 16, 2024 7:30
PRODUCER :	CAERUS PICEANCE LLC	CYLINDER NO. :	ECA-722
LEASE NO. :	110165627	SAMPLED BY :	ALEX GALLEGOS
NAME/DESCRIP :	MF C28 MF16C-21 696 BRAIDEN HEAD		
FIELD DATA		SAMPLE TEMP. :	73
SAMPLE PRES. :	15	AMBIENT TEMP.:	
H2S BY STAIN TUBE:	_ *ppm mol*		
COMMENTS :	*SPOT* *NO PROBE*		

Componet	Mole %	Wt %
Helium	0.02	0.00
Hydrogen	0.00	0.00
Carbon Dioxide	0.02	0.05
Nitrogen	0.46	0.71
Methane	94.8153	83.5730
Ethane	2.5392	4.1950
Propane	0.7306	1.7701
Isobutane	0.1063	0.3394
n-Butane	0.1483	0.4736
Isopentane	0.0546	0.2164
n-Pentane	0.0059	0.0234
Cyclopentane	0.0017	0.0065
n-Hexane	0.0010	0.0047
Cyclohexane	0.0069	0.0319
Other Hexanes	0.0298	0.1407
Heptanes	0.0166	0.0910
Methylcyclohexane	0.0118	0.0637
2,2,4 Trimethylpentane	0.0001	0.0006
Benzene	0.0002	0.0009
Toluene	0.0005	0.0025
Ethylbenzene	0.0009	0.0053
Xylenes	0.0111	0.0648
C8+ Heavies	1.0186	8.2355
Subtotal	99.99940	99.99900
Oxygen/Argon	0.00	0.00
Alcohols	0.0006	0.0010
Total	100.00000	100.00000

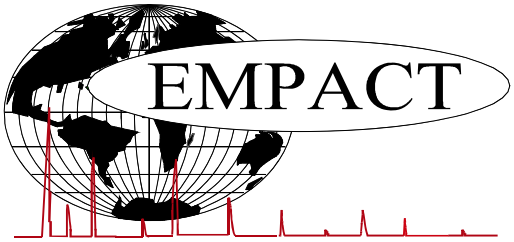
Calculated Values BTU @ **14.65**		**Total Sample**	**C6+ Fraction**	**C8+ Fraction**	**C10+ Fraction**	
LHV	Net Dry Real:	1007.7	7226.4	7395.8	7642.1	**Btu/scf**
	Net Wet Real:	990.1	7100.1	7266.5	7508.5	**Btu/scf**
HHV	Gross Dry Real:	1115.5	7818.4	8003.0	8281.2	**Btu/scf**
	Gross Wet Real:	1096.0	7681.7	7863.1	8136.4	**Btu/scf**
Other Calculated Values						
Regualr Wobbe Index*		1409.5	3523.9	3566.3	3637.6	**Btu/scf**
Net Heating Value (60 °F ideal reaction):		21004.8	18632.5	18605.5	18621.4	**Btu/lbm**
Gross Heating Value (60°F ideal reaction):		23254.2	20154.0	20128.4	20172.5	**Btu/lbm**
Molar Mass (MW):		18.20055	143.289	146.649	150.978	**g/mol**
Relative Density (AIR=1):		0.6276	4.9485	5.0642	5.2129	**SG**
Density:		0.04796	0.37759	0.38647	0.39784	**lbm/scf**
Compressiblity Factor:		0.9978	0.9995	0.9997	0.9998	**Z**
Liquid Volume real gas @:	**14.65**	17.6775	0.6599	0.636	0.5642	**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 uderscore) indicates there was no tube pulled for H2S.

EMPACT Analytical Systems Inc. 365 S Main St Brighton, CO 80601 303-637-0150



EXTENDED NATURAL GAS ANALYSIS (*DHA)

DHA COMPONENT LIST

PRIMARY DB KEY:	**05-045-15109**	NAME/DESCRIP :	**MF C28 MF16C-21 696**
LEASE #:	**110165627**		**BRAIDEN HEAD**
FIELD/AREA:	**GRAND VALLEY - #31290**		
PROJECT NO. :	**202407082**	ANALYSIS NO. :	**01**
COMPANY NAME :	**CAERUS OIL & GAS LLC**	ANALYSIS DATE:	JULY 26, 2024 13:54
OFFICE / BRANCH:	PARACHUTE	SAMPLE DATE :	JULY 16, 2024 7:30
CUSTOMER REF:		TO:	
PRODUCER :	CAERUS PICEANCE LLC	EFFECTIVE DATE:	
FIELD DATA			
SAMPLE CYCLE:		SAMPLE TYPE:	SPOT
SAMPLE PRES. :	15 psig	PROBE :	NO
FLOW PRES. :	psig	CYLINDER NO. :	ECA-722
LAB PRES:	psig	SAMPLED BY :	ALEX GALLEGOS
SAMPLE TEMP. :	73 ºf	SAMPLING COMPANY:	CAERUS OIL & GAS LLC
AMBIENT TEMP.:	ºf	H2S BY STAIN TUBE:	_ ppm mol
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	---	0.02	0.00	---	---
Hydrogen	---	0.00	0.00	---	---
Oxygen/Argon	---	0.00	0.00	---	---
Nitrogen	---	0.46	0.71	---	---
Carbon Dioxide	---	0.02	0.05	---	---
Methane	P1	94.8153	83.5730	---	---
Ethane	P2	2.5392	4.1950	0.676	0.680
Propane	P3	0.7306	1.7701	0.201	0.202
i-Butane	I4	0.1063	0.3394	0.035	0.035
Methanol	X1	0.0006	0.0010	0.000	0.000
n-Butane	P4	0.1483	0.4736	0.047	0.047
2,2-Dimethylpropane	I5	0.0029	0.0115	0.001	0.001
i-Pentane	I5	0.0517	0.2049	0.019	0.019
n-Pentane	P5	0.0059	0.0234	0.002	0.002
2,2-Dimethylbutane	I6	0.0034	0.0161	0.001	0.001
Cyclopentane	N5	0.0017	0.0065	0.001	0.001
2,3-Dimethylbutane	I6	0.0024	0.0114	0.001	0.001
2-Methylpentane	I6	0.0115	0.0545	0.005	0.005
3-Methylpentane	I6	0.0077	0.0365	0.003	0.003
n-Hexane	P6	0.0010	0.0047	0.000	0.000
2,2-Dimethylpentane	I7	0.0006	0.0033	0.000	0.000
Methylcyclopentane	N6	0.0048	0.0222	0.002	0.002
2,4-Dimethylpentane	I7	0.0008	0.0044	0.000	0.000
2,2,3-Trimethylbutane	I7	0.0004	0.0022	0.000	0.000
Benzene	A6	0.0002	0.0009	0.000	0.000
3,3-Dimethylpentane	I7	0.0008	0.0044	0.000	0.000
Cyclohexane	N6	0.0069	0.0319	0.002	0.002
2-Methylhexane	I7	0.0025	0.0138	0.001	0.001
2,3-Dimethylpentane	I7	0.0016	0.0088	0.001	0.001
1,1-Dimethylcyclopentane	N7	0.0008	0.0043	0.000	0.000
3-Methylhexane	I7	0.0041	0.0226	0.002	0.002
1c,3-Dimethylcyclopentane	N7	0.0010	0.0054	0.000	0.000

EMPACT Analytical Systems, Inc 365 S. Main Street, Brighton, CO 80601 303-637-0150

1t,3-Dimethylcyclopentane	N7	0.0009	0.0048	0.000	0.000
3-Ethylpentane	I7	0.0003	0.0017	0.000	0.000
1t,2-Dimethylcyclopentane	N7	0.0018	0.0097	0.001	0.001
2,2,4-Trimethylpentane	I8	0.0001	0.0006	0.000	0.000
n-Heptane	P7	0.0003	0.0017	0.000	0.000
1c,2-Dimethylcyclopentane	N7	0.0002	0.0011	0.000	0.000
Methylcyclohexane	N7	0.0118	0.0637	0.005	0.005
2,2-Dimethylhexane	I8	0.0005	0.0031	0.000	0.000
1,1,3-Trimethylcyclopentane	N7	0.0002	0.0012	0.000	0.000
Ethylcyclopentane	N7	0.0003	0.0016	0.000	0.000
2,5-Dimethylhexane	I8	0.0006	0.0038	0.000	0.000
2,2,3-Trimethylpentane	I8	0.0005	0.0031	0.000	0.000
2,4-Dimethylhexane	I8	0.0001	0.0006	0.000	0.000
1c,2t,4-Trimethylcyclopentane	N8	0.0005	0.0031	0.000	0.000
3,3-Dimethylhexane	I8	0.0004	0.0025	0.000	0.000
2,3,4-Trimethylpentane	I8	0.0001	0.0006	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	0.0006	0.0038	0.000	0.000
2-Methyl-3-ethylpentane	I8	0.0002	0.0013	0.000	0.000
2-Methylheptane	I8	0.0012	0.0075	0.001	0.001
4-Methylheptane	I8	0.0007	0.0044	0.000	0.000
3-Methyl-3-ethylpentane	I8	0.0002	0.0013	0.000	0.000
3,4-Dimethylhexane	I8	0.0001	0.0006	0.000	0.000
3-Methylheptane	I8	0.0013	0.0082	0.001	0.001
1c,2t,3-Trimethylcyclopentane	N8	0.0022	0.0136	0.001	0.001
3-Ethylhexane	I8	0.0002	0.0013	0.000	0.000
1t,4-Dimethylcyclohexane	N8	0.0009	0.0056	0.000	0.000
1,1-Dimethylcyclohexane	N8	0.0005	0.0031	0.000	0.000
2,2,5-Trimethylhexane	I9	0.0001	0.0007	0.000	0.000
3c-Ethylmethylcyclopentane	N8	0.0001	0.0006	0.000	0.000
3t-Ethylmethylcyclopentane	N8	0.0001	0.0006	0.000	0.000
2t-Ethylmethylcyclopentane	N8	0.0003	0.0019	0.000	0.000
1,1-Methylethylcyclopentane	N8	0.0001	0.0006	0.000	0.000
2,2,4-Trimethylhexane	I9	0.0001	0.0007	0.000	0.000
1t,2-Dimethylcyclohexane	N8	0.0009	0.0056	0.000	0.000
n-Octane	P8	0.0013	0.0081	0.001	0.001
1c,4-Dimethylcyclohexane	N8	0.0006	0.0037	0.000	0.000
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	0.0004	0.0028	0.000	0.000
1,1,4-Trimethylcyclohexane	N9	0.0012	0.0083	0.001	0.001
2,2,3-Trimethylhexane	I9	0.0002	0.0014	0.000	0.000
2,4-Dimethylheptane	I9	0.0001	0.0007	0.000	0.000
Ethylcyclohexane	N8	0.0023	0.0142	0.001	0.001
n-Propylcyclopentane	N8	0.0006	0.0037	0.000	0.000
1c,3c,5-Trimethylcyclohexane	N9	0.0002	0.0014	0.000	0.000
2,5-Dimethylheptane	I9	0.0011	0.0078	0.001	0.001
3,3-Dimethylheptane	I9	0.0003	0.0021	0.000	0.000
3,5-Dimethylheptane	I9	0.0002	0.0014	0.000	0.000
2,6-Dimethylheptane	I9	0.0003	0.0021	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
1,3-Dimethylbenzene (m-Xylene)	A8	0.0069	0.0403	0.003	0.003
1,4-Dimethylbenzene (p-Xylene)	A8	0.0017	0.0099	0.001	0.001
3,4-Dimethylheptane	I9	0.0002	0.0014	0.000	0.000
3,4-Dimethylheptane (2)	I9	0.0002	0.0014	0.000	0.000
4-Ethylheptane	I9	0.0003	0.0021	0.000	0.000
4-Methyloctane	I9	0.0012	0.0085	0.001	0.001
2-Methyloctane	I9	0.0022	0.0155	0.001	0.001
3-Ethylheptane	I9	0.0001	0.0007	0.000	0.000
3-Methyloctane	I9	0.0003	0.0021	0.000	0.000
1c,2t,4c-Trimethylcyclohexane	I9	0.0025	0.0174	0.001	0.001

1,1,2-Trimethylcyclohexane	N9	0.0001	0.0007	0.000	0.000
3,3-Diethylpentane	I9	0.0003	0.0021	0.000	0.000
1,2-Dimethylbenzene (o-Xylene)	A8	0.0025	0.0146	0.001	0.001
i-Butylcyclopentane	N9	0.0021	0.0146	0.001	0.001
UnknownC8s	U8	0.0001	0.0006	0.000	0.000
n-Nonane	P9	0.0339	0.2389	0.019	0.019
1,1-Methylethylcyclohexane	N9	0.0018	0.0125	0.001	0.001
i-Propylbenzene	A9	0.0010	0.0066	0.000	0.000
i-Propylcyclohexane	N9	0.0011	0.0076	0.001	0.001
2,2-Dimethyloctane	I10	0.0009	0.0070	0.001	0.001
2,4-Dimethyloctane	I10	0.0011	0.0086	0.001	0.001
2,6-Dimethyloctane	I10	0.0005	0.0039	0.000	0.000
2,5-Dimethyloctane	I10	0.0004	0.0031	0.000	0.000
n-Butylcyclopentane	N9	0.0045	0.0312	0.003	0.003
3,3-Dimethyloctane	I10	0.0025	0.0196	0.002	0.002
n-Propylbenzene	A9	0.0129	0.0852	0.006	0.006
3,6-Dimethyloctane	I10	0.0024	0.0187	0.001	0.001
3-Methyl-5-ethylheptane	I10	0.0035	0.0274	0.002	0.002
1,3-Methylethylbenzene	A9	0.0110	0.0726	0.006	0.006
1,4-Methylethylbenzene	A9	0.0039	0.0258	0.002	0.002
1,3,5-Trimethylbenzene	A9	0.0189	0.1248	0.008	0.008
2,3-Dimethyloctane	I10	0.0027	0.0211	0.002	0.002
5-Methylnonane	I10	0.0100	0.0782	0.006	0.006
1,2-Methylethylbenzene	A9	0.0025	0.0165	0.001	0.001
2-Methylnonane	I10	0.0135	0.1056	0.008	0.008
3-Ethyloctane	I10	0.0029	0.0227	0.002	0.002
3-Methylnonane	I10	0.0086	0.0673	0.005	0.005
1,2,4-Trimethylbenzene	A9	0.0005	0.0033	0.000	0.000
t-Butylbenzene	A10	0.0319	0.2353	0.016	0.016
i-Butylcyclohexane	N10	0.0043	0.0331	0.002	0.002
1t-Methyl-2-n-propylcyclohexane	I10	0.0020	0.0154	0.001	0.001
i-Butylbenzene	A10	0.0018	0.0133	0.001	0.001
sec-Butylbenzene	A10	0.0014	0.0103	0.001	0.001
UnknownC9s	U9	0.0050	0.0352	0.003	0.003
n-Decane	P10	0.1293	1.0108	0.079	0.079
1,2,3-Trimethylbenzene	A9	0.0092	0.0608	0.005	0.005
1,3-Methyl-i-propylbenzene	A10	0.0057	0.0420	0.003	0.003
1,4-Methyl-i-propylbenzene	A10	0.0395	0.2913	0.022	0.022
Sec-Butylcyclohexane	A10	0.0030	0.0231	0.002	0.002
1,2-Methyl-i-propylbenzene	A10	0.0066	0.0487	0.004	0.004
3-Ethylnonane	I10	0.0030	0.0258	0.002	0.002
1,3-Diethylbenzene	A10	0.0047	0.0347	0.003	0.003
1,3-Methyl-n-propylbenzene	A10	0.0088	0.0649	0.005	0.005
1,4-Diethylbenzene	A10	0.0037	0.0273	0.002	0.002
1,4-Methyl-n-propylbenzene	A10	0.0018	0.0133	0.001	0.001
n-Butylbenzene	A10	0.0123	0.0907	0.006	0.006
1,3-Dimethyl-5-ethylbenzene	A10	0.0036	0.0265	0.002	0.002
1,2-Diethylbenzene	A10	0.0024	0.0177	0.001	0.001
t-Decahydronaphthalene	A9	0.0009	0.0076	0.001	0.001
1,2-Methyl-n-propylbenzene	A10	0.0074	0.0546	0.005	0.005
1,3-Dimethyl-4-ethylbenzene	A10	0.0207	0.1526	0.014	0.014
1,2-Dimethyl-4-ethylbenzene	A10	0.0044	0.0325	0.002	0.002
1,3-Dimethyl-2-ethylbenzene	A10	0.0106	0.0782	0.005	0.005
1,2-Dimethyl-3-ethylbenzene	A10	0.0025	0.0185	0.001	0.001
1,2-Ethyl-i-propylbenzene	A10	0.0025	0.0204	0.002	0.002
1,4-Methyl-t-butylbenzene	A11	0.0051	0.0415	0.003	0.003
UnknownC10s	U10	0.0335	0.2619	0.021	0.021
n-Undecane	P11	0.1287	1.1053	0.085	0.085
1,4-Ethyl-i-propylbenzene	A11	0.0055	0.0448	0.004	0.004

1,2,4,5-Tetramethylbenzene	A11	0.0016	0.0118	0.001	0.001
1,2-Methyl-n-butylbenzene	A11	0.0045	0.0367	0.003	0.003
1,2,3,5-Tetramethylbenzene	A11	0.0077	0.0568	0.005	0.005
1,2-Methyl-t-butylbenzene	A11	0.0046	0.0375	0.003	0.003
5-Methylindan	A11	0.0022	0.0160	0.001	0.001
4-Methylindan	A11	0.0027	0.0196	0.002	0.002
1,2-Ethyl-n-propylbenzene	A11	0.0008	0.0065	0.001	0.001
2-Methylindan	A11	0.0068	0.0494	0.005	0.005
1,3-Methyl-n-butylbenzene	A11	0.0020	0.0163	0.001	0.001
1,3-Di-i-propylbenzene	A11	0.0051	0.0455	0.003	0.003
sec-Pentylbenzene	A11	0.0044	0.0358	0.002	0.002
n-Pentylbenzene	A11	0.0043	0.0350	0.002	0.002
1,4-Di-i-propylbenzene	A11	0.0047	0.0419	0.003	0.003
Tetrahydronaphthalene	A10	0.0063	0.0458	0.005	0.005
Naphthalene	A10	0.0020	0.0141	0.001	0.001
1-t-Butyl-3,5-dimethylbenzene	A12	0.0011	0.0098	0.001	0.001
1,4-Ethyl-t-butylbenzene	A11	0.0025	0.0223	0.002	0.002
1,3-Di-n-propylbenzene	A12	0.0020	0.0179	0.001	0.001
UnknownC11s	U11	0.0661	0.5677	0.044	0.044
n-Dodecane	P12	0.0609	0.5700	0.044	0.044
1,3,5-Triethylbenzene	A12	0.0161	0.1436	0.010	0.010
1,2,4-Triethylbenzene	A12	0.0015	0.0134	0.001	0.001
1,4-Methyl-n-pentylbenzene	A12	0.0048	0.0428	0.003	0.003
n-Hexylbenzene	A12	0.0037	0.0330	0.002	0.002
1,2,3,4,5-Pentamethylbenzene	A13	0.0137	0.1116	0.011	0.011
2-Methylnaphthalene	A11	0.0059	0.0461	0.005	0.005
1-Methylnaphthalene	A11	0.0024	0.0187	0.002	0.002
UnknownC12s	U12	0.0388	0.3332	0.026	0.026
n-Tridecane	P13	0.0166	0.1681	0.013	0.013
UnknownC13s	U13	0.0278	0.2816	0.021	0.021
n-Tetradecane	P14	0.0032	0.0349	0.003	0.003
UnknownC14s	U14	0.0071	0.0774	0.006	0.006
n-Pentadecane	P15	0.0004	0.0047	0.000	0.000
UnknownC15s	U15	0.0092	0.1074	0.008	0.008
n-Hexadecane	P16	0.0001	0.0013	0.000	0.000
UnknownC16s	U16	0.0001	0.0013	0.000	0.000
n-Heptadecane	P17	0.0002	0.0026	0.000	0.000
n-Octadecane	P18	0.0002	0.0028	0.000	0.000
TOTAL		100.00000	100.00000	1.6439	1.6514

BTEX COMPONENTS	MOLE%	WT%
BENZENE	0.0002	0.0009
TOLUENE	0.0005	0.0025
ETHYLBENZENE	0.0009	0.0053
XYLENES	0.0111	0.0648
TOTAL BTEX	0.0127	0.0735

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

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

CALCULATED VALUES**

BTU @	14.65	14.73
LHV NET DRY REAL :	1007.7 /scf	1013.2 /scf
NET WET REAL :	990.1 /scf	995.6 /scf
HHV GROSS DRY REAL :	1115.5 /scf	1121.6 /scf
GROSS WET REAL :	1096.0 /scf	1102.1 /scf

NET HEATING VALUE (60 °F ideal reaction):	21004.8 Btu/lbm
GROSS HEATING VALUE (60°F ideal reaction):	23254.2 Btu/lbm
RELATIVE DENSITY (AIR=1):	0.6276
DENSITY	0.04796 lb/scf
COMPRESSIBILITY FACTOR :	0.9978
REGULAR WOBBE INDEX	1409.5

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

Net Dry Ideal BTU	7245.5 /scf	Relative Density - SG (Air=1)	4.9485	***C6+factors***
Gross Dry Ideal BTU	7839 /scf	**Z** Compressiblity Factor	0.9995	0.99898
Net Dry Ideal BTU	18632.5 /lb	Density Factor	377.595 lbm/1000 ft3	
Gross Dry Ideal BTU	20154 /lb	Molar Mass or MW	143.289 g/mol	
		Volume Liquid Ideal gas	0.662 scf/gal	15.8

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.