EXTENDED NATURAL GAS ANALYSIS (*DHA)

MAIN PAGE

PRIMARY DB KEY:	**05-103-10782**	NAME/DESCRIP :	**FED 4S-95-1-21-DP PRODUCTION CSG**
LEASE #:			
FIELD/AREA:			

PROJECT NO. :	**202506059**	ANALYSIS NO. :	**02**
COMPANY NAME :	**QB ENERGY OPERATING, LLC**	ANALYSIS DATE:	JUNE 20, 2025 11:17
OFFICE / BRANCH:	PARACHUTE, CO	SAMPLE DATE :	MAY 19, 2025
CUSTOMER REF:		TO:	
PRODUCER :	QB ENERGY OPERATING, LLC	EFFECTIVE DATE:	

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

SAMPLE CYCLE:			SAMPLE TYPE:	
SAMPLE PRES. :	4840	psig	PROBE :	
FLOW PRES. :		psig	CYLINDER NO. :	ECA-714
LAB PRES:		psig	SAMPLED BY :	NICK CROY
SAMPLE TEMP. :	43	ºf	SAMPLING COMPANY:	QB ENERGY
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	0.0003	0.0005	0.0000	0.0000
HELIUM	0.01	0.00	---	---
HYDROGEN	0.01	0.00	---	---
OXYGEN/ARGON	0.00	0.00	---	---
NITROGEN	0.06	0.09	---	---
CARBON DIOXIDE	5.72	13.30	---	---
METHANE	90.1012	76.3945	---	---
ETHANE	2.8373	4.5091	0.7563	0.7605
PROPANE	0.3250	0.7574	0.0889	0.0894
I-BUTANE	0.1430	0.4393	0.0470	0.0472
N-BUTANE	0.0550	0.1690	0.0170	0.0171
I-PENTANE	0.0610	0.2324	0.0220	0.0221
N-PENTANE	0.0190	0.0725	0.0070	0.0070
HEXANES PLUS	0.6583	4.0346	0.3070	0.3073
TOTALS	100.00000	100.00000	1.2452	1.2506

BTEX COMPONENTS	MOLE%	WT%
BENZENE	0.0374	0.1544
TOLUENE	0.0656	0.3194
ETHYLBENZENE	0.0036	0.0202
XYLENES	0.0428	0.2402
TOTAL BTEX	0.1494	0.7342

**(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 :	918.2 **/scf**	923.2 **/scf**
	NET WET REAL :	902.1 **/scf**	907.1 **/scf**
HHV	GROSS DRY REAL :	1017.3 **/scf**	1022.9 **/scf**
	GROSS WET REAL :	999.5 **/scf**	1005.1 **/scf**

NET HEATING VALUE (60 °F ideal reaction):	18445.9 **Btu/lbm**
GROSS HEATING VALUE (60°F ideal reaction):	20434.5 **Btu/lbm**
RELATIVE DENSITY (AIR=1):	0.6522
DENSITY	0.04986 **lbm/scf**
COMPRESSIBILITY FACTOR :	0.9977
REGULAR WOBBE INDEX	1260.8

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EXTENDED NATURAL GAS ANALYSIS (*DHA)

GLYCALC INFORMATION

PROJECT NO. :	202506059	ANALYSIS NO. :	02
COMPANY NAME :	QB ENERGY OPERATING, LLC	ANALYSIS DATE:	JUNE 20, 2025 11:17
ACCOUNT NO. :		SAMPLE DATE :	MAY 19, 2025
PRODUCER :	QB ENERGY OPERATING, LLC	CYLINDER NO. :	ECA-714
LEASE NO. :		SAMPLED BY :	NICK CROY
NAME/DESCRIP :	FED 4S-95-1-21-DP PRODUCTION CSG		
FIELD DATA		SAMPLE TEMP. :	43
SAMPLE PRES. :	4840	AMBIENT TEMP.:	
H2S BY STAIN TUBE:	_ *ppm mol*		
COMMENTS :			

Componet	Mole %	Wt %
Helium	0.01	0.00
Hydrogen	0.01	0.00
Carbon Dioxide	5.72	13.30
Nitrogen	0.06	0.09
Methane	90.1012	76.3945
Ethane	2.8373	4.5091
Propane	0.3250	0.7574
Isobutane	0.1430	0.4393
n-Butane	0.0550	0.1690
Isopentane	0.0589	0.2246
n-Pentane	0.0190	0.0725
Cyclopentane	0.0021	0.0078
n-Hexane	0.0135	0.0615
Cyclohexane	0.0146	0.0650
Other Hexanes	0.0636	0.2882
Heptanes	0.0650	0.3437
Methylcyclohexane	0.0453	0.2351
2,2,4 Trimethylpentane	0.0001	0.0006
Benzene	0.0374	0.1544
Toluene	0.0656	0.3194
Ethylbenzene	0.0036	0.0202
Xylenes	0.0428	0.2402
C8+ Heavies	0.3068	2.3063
Subtotal	99.99970	99.99950
Oxygen/Argon	0.00	0.00
Alcohols	0.0003	0.0005
Total	100.00000	100.00000

Calculated Values BTU @ **14.65**	**Total Sample**	**C6+ Fraction**	**C8+ Fraction**	**C10+ Fraction**	
LHV Net Dry Real:	918.2	5754.0	6850.2	8085.3	**Btu/scf**
Net Wet Real:	902.1	5653.4	6730.5	7944.0	**Btu/scf**
HHV Gross Dry Real:	1017.3	6174.3	7374.9	8740.5	**Btu/scf**
Gross Wet Real:	999.5	6066.4	7246.0	8587.7	**Btu/scf**
Other Calculated Values					
Regualr Wobbe Index*	1260.8	3086.5	3393.1	3724.5	**Btu/scf**
Net Heating Value (60 °F ideal reaction):	18445.9	18890.4	18974.7	18892.2	**Btu/lbm**
Gross Heating Value (60°F ideal reaction):	20434.5	20269.9	20420.6	20416.5	**Btu/lbm**
Molar Mass (MW):	18.92184	115.954	137.473	160.469	**g/mol**
Relative Density (AIR=1):	0.6522	4.0041	4.7466	5.5402	**SG**
Density:	0.04986	0.30556	0.36226	0.42285	**lbm/scf**
Compressiblity Factor:	0.9977	0.9972	0.9992	0.9999	**Z**
Liquid Volume real gas @: **14.65**	17.4103	0.306	0.1904	0.1067	**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.

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EXTENDED NATURAL GAS ANALYSIS (*DHA)

DHA COMPONENT LIST

PRIMARY DB KEY: **05-103-10782** NAME/DESCRIP : **FED 4S-95-1-21-DP**
LEASE #: **PRODUCTION CSG**
FIELD/AREA:

PROJECT NO. : **202506059** ANALYSIS NO. : **02**
COMPANY NAME : **QB ENERGY OPERATING, LLC** ANALYSIS DATE: JUNE 20, 2025 11:17
OFFICE / BRANCH: PARACHUTE, CO SAMPLE DATE : MAY 19, 2025
CUSTOMER REF: TO:
PRODUCER : QB ENERGY OPERATING, LLC EFFECTIVE DATE:
FIELD DATA
SAMPLE CYCLE: SAMPLE TYPE:
SAMPLE PRES. : 4840 psig PROBE :
FLOW PRES. : psig CYLINDER NO. : ECA-714
LAB PRES: psig SAMPLED BY : NICK CROY
SAMPLE TEMP. : 43 ºf SAMPLING COMPANY: QB ENERGY
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	---	0.01	0.00	---	---
Hydrogen	---	0.01	0.00	---	---
Nitrogen	---	0.06	0.09	---	---
Carbon Dioxide	---	5.72	13.30	---	---
Methane	P1	90.1012	76.3945	---	---
Ethane	P2	2.8373	4.5091	0.756	0.761
Propane	P3	0.3250	0.7574	0.089	0.089
i-Butane	I4	0.1430	0.4393	0.047	0.047
Methanol	X1	0.0003	0.0005	0.000	0.000
n-Butane	P4	0.0550	0.1690	0.017	0.017
2,2-Dimethylpropane	I5	0.0059	0.0225	0.002	0.002
i-Pentane	I5	0.0530	0.2021	0.019	0.019
n-Pentane	P5	0.0190	0.0725	0.007	0.007
2,2-Dimethylbutane	I6	0.0103	0.0469	0.004	0.004
Cyclopentane	N5	0.0021	0.0078	0.001	0.001
2,3-Dimethylbutane	I6	0.0065	0.0296	0.003	0.003
2-Methylpentane	I6	0.0207	0.0943	0.009	0.009
3-Methylpentane	I6	0.0127	0.0578	0.005	0.005
n-Hexane	P6	0.0135	0.0615	0.006	0.006
2,2-Dimethylpentane	I7	0.0015	0.0079	0.001	0.001
Methylcyclopentane	N6	0.0134	0.0596	0.005	0.005
2,4-Dimethylpentane	I7	0.0029	0.0154	0.001	0.001
2,2,3-Trimethylbutane	I7	0.0014	0.0074	0.001	0.001
Benzene	A6	0.0374	0.1544	0.010	0.010
3,3-Dimethylpentane	I7	0.0019	0.0100	0.001	0.001
Cyclohexane	N6	0.0146	0.0650	0.005	0.005
2-Methylhexane	I7	0.0100	0.0530	0.005	0.005
2,3-Dimethylpentane	I7	0.0054	0.0286	0.002	0.002
1,1-Dimethylcyclopentane	N7	0.0027	0.0140	0.001	0.001

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3-Methylhexane	I7	0.0113	0.0598	0.005	0.005
1c,3-Dimethylcyclopentane	N7	0.0030	0.0156	0.001	0.001
1t,3-Dimethylcyclopentane	N7	0.0029	0.0151	0.001	0.001
3-Ethylpentane	I7	0.0003	0.0016	0.000	0.000
1t,2-Dimethylcyclopentane	N7	0.0050	0.0260	0.002	0.002
2,2,4-Trimethylpentane	I8	0.0001	0.0006	0.000	0.000
n-Heptane	P7	0.0131	0.0694	0.006	0.006
1c,2-Dimethylcyclopentane	N7	0.0004	0.0021	0.000	0.000
Methylcyclohexane	N7	0.0453	0.2351	0.018	0.018
2,2-Dimethylhexane	I8	0.0006	0.0037	0.000	0.000
1,1,3-Trimethylcyclopentane	N7	0.0016	0.0095	0.001	0.001
Ethylcyclopentane	N7	0.0016	0.0083	0.001	0.001
2,5-Dimethylhexane	I8	0.0022	0.0133	0.001	0.001
2,2,3-Trimethylpentane	I8	0.0022	0.0133	0.001	0.001
2,4-Dimethylhexane	I8	0.0001	0.0006	0.000	0.000
1c,2t,4-Trimethylcyclopentane	N8	0.0008	0.0048	0.000	0.000
3,3-Dimethylhexane	I8	0.0008	0.0048	0.000	0.000
2,3,3-Trimethylpentane	I8	0.0001	0.0006	0.000	0.000
Toluene	A7	0.0656	0.3194	0.022	0.022
2,3-Dimethylhexane	I8	0.0013	0.0079	0.001	0.001
2-Methyl-3-ethylpentane	I8	0.0005	0.0030	0.000	0.000
2-Methylheptane	I8	0.0082	0.0495	0.004	0.004
4-Methylheptane	I8	0.0030	0.0181	0.002	0.002
3-Methyl-3-ethylpentane	I8	0.0005	0.0030	0.000	0.000
3,4-Dimethylhexane	I8	0.0001	0.0006	0.000	0.000
3-Methylheptane	I8	0.0035	0.0211	0.002	0.002
1c,2t,3-Trimethylcyclopentane	N8	0.0113	0.0670	0.006	0.006
3-Ethylhexane	I8	0.0016	0.0097	0.001	0.001
1t,4-Dimethylcyclohexane	N8	0.0040	0.0237	0.002	0.002
1,1-Dimethylcyclohexane	N8	0.0018	0.0107	0.001	0.001
2,2,5-Trimethylhexane	I9	0.0003	0.0020	0.000	0.000
3c-Ethylmethylcyclopentane	N8	0.0003	0.0018	0.000	0.000
3t-Ethylmethylcyclopentane	N8	0.0003	0.0018	0.000	0.000
2t-Ethylmethylcyclopentane	N8	0.0003	0.0018	0.000	0.000
1,1-Methylethylcyclopentane	N8	0.0001	0.0006	0.000	0.000
1t,2-Dimethylcyclohexane	N8	0.0027	0.0160	0.001	0.001
1t,3-Dimethylcyclohexane	N8	0.0003	0.0018	0.000	0.000
n-Octane	P8	0.0130	0.0785	0.007	0.007
1c,4-Dimethylcyclohexane	N8	0.0030	0.0178	0.002	0.002
i-Propylcyclopentane	I8	0.0001	0.0006	0.000	0.000
2,3,5-Trimethylhexane	I9	0.0006	0.0041	0.000	0.000
2,3,4-Trimethylhexane	I9	0.0001	0.0007	0.000	0.000
2,2-Dimethylheptane	I9	0.0004	0.0027	0.000	0.000
1,1,4-Trimethylcyclohexane	N9	0.0028	0.0187	0.001	0.001
2,2,3-Trimethylhexane	I9	0.0007	0.0048	0.000	0.000
2,4-Dimethylheptane	I9	0.0011	0.0075	0.001	0.001
4,4-Dimethylheptane	I9	0.0001	0.0007	0.000	0.000
Ethylcyclohexane	N8	0.0021	0.0125	0.001	0.001
n-Propylcyclopentane	N8	0.0010	0.0059	0.000	0.000
1c,3c,5-Trimethylcyclohexane	N9	0.0003	0.0020	0.000	0.000
2,5-Dimethylheptane	I9	0.0033	0.0224	0.002	0.002
3,3-Dimethylheptane	I9	0.0008	0.0054	0.000	0.000
3,5-Dimethylheptane	I9	0.0001	0.0007	0.000	0.000
2,6-Dimethylheptane	I9	0.0001	0.0007	0.000	0.000
1,1,3-Trimethylcyclohexane	N9	0.0008	0.0053	0.000	0.000
Ethylbenzene	I8	0.0036	0.0202	0.001	0.001
1c,2t,4t-Trimethylcyclohexane	N9	0.0001	0.0007	0.000	0.000
2,3-Dimethylheptane	I9	0.0001	0.0007	0.000	0.000
1,3-Dimethylbenzene (m-Xylene)	A8	0.0285	0.1599	0.011	0.011
1,4-Dimethylbenzene (p-Xylene)	A8	0.0091	0.0511	0.004	0.004
3,4-Dimethylheptane	I9	0.0013	0.0088	0.001	0.001

3,4-Dimethylheptane (2)	I9	0.0004	0.0027	0.000	0.000
4-Ethylheptane	I9	0.0006	0.0041	0.000	0.000
4-Methyloctane	I9	0.0037	0.0251	0.002	0.002
2-Methyloctane	I9	0.0053	0.0359	0.003	0.003
1c,2t,3-Trimethylcyclohexane	N9	0.0001	0.0007	0.000	0.000
3-Ethylheptane	I9	0.0001	0.0007	0.000	0.000
3-Methyloctane	I9	0.0008	0.0054	0.000	0.000
1c,2t,4c-Trimethylcyclohexane	I9	0.0051	0.0340	0.003	0.003
1,1,2-Trimethylcyclohexane	N9	0.0002	0.0013	0.000	0.000
3,3-Diethylpentane	I9	0.0001	0.0007	0.000	0.000
1,2-Dimethylbenzene (o-Xylene)	A8	0.0052	0.0292	0.002	0.002
i-Butylcyclopentane	N9	0.0017	0.0114	0.001	0.001
UnknownC8s	U8	0.0005	0.0030	0.000	0.000
n-Nonane	P9	0.0151	0.1024	0.008	0.008
1,1-Methylethylcyclohexane	N9	0.0009	0.0060	0.001	0.001
i-Propylbenzene	A9	0.0005	0.0032	0.000	0.000
i-Propylcyclohexane	N9	0.0004	0.0026	0.000	0.000
2,2-Dimethyloctane	I10	0.0004	0.0030	0.000	0.000
2,4-Dimethyloctane	I10	0.0008	0.0060	0.000	0.000
2,6-Dimethyloctane	I10	0.0001	0.0007	0.000	0.000
2,5-Dimethyloctane	I10	0.0001	0.0007	0.000	0.000
n-Butylcyclopentane	N9	0.0013	0.0087	0.001	0.001
3,3-Dimethyloctane	I10	0.0013	0.0098	0.001	0.001
n-Propylbenzene	A9	0.0028	0.0178	0.001	0.001
3,6-Dimethyloctane	I10	0.0013	0.0098	0.001	0.001
3-Methyl-5-ethylheptane	I10	0.0003	0.0023	0.000	0.000
1,3-Methylethylbenzene	A9	0.0036	0.0229	0.002	0.002
1,4-Methylethylbenzene	A9	0.0014	0.0089	0.001	0.001
1,3,5-Trimethylbenzene	A9	0.0068	0.0432	0.003	0.003
2,3-Dimethyloctane	I10	0.0014	0.0105	0.001	0.001
5-Methylnonane	I10	0.0025	0.0188	0.001	0.001
1,2-Methylethylbenzene	A9	0.0007	0.0044	0.000	0.000
2-Methylnonane	I10	0.0033	0.0248	0.002	0.002
3-Ethyloctane	I10	0.0008	0.0060	0.000	0.000
3-Methylnonane	I10	0.0031	0.0233	0.002	0.002
1,2,4-Trimethylbenzene	A9	0.0002	0.0013	0.000	0.000
t-Butylbenzene	A10	0.0053	0.0376	0.003	0.003
i-Butylcyclohexane	N10	0.0005	0.0037	0.000	0.000
1t-Methyl-2-n-propylcyclohexane	I10	0.0002	0.0015	0.000	0.000
i-Butylbenzene	A10	0.0005	0.0035	0.000	0.000
sec-Butylbenzene	A10	0.0002	0.0014	0.000	0.000
UnknownC9s	U9	0.0062	0.0420	0.003	0.003
n-Decane	P10	0.0149	0.1120	0.009	0.009
1,2,3-Trimethylbenzene	A9	0.0008	0.0051	0.000	0.000
1,3-Methyl-i-propylbenzene	A10	0.0005	0.0035	0.000	0.000
1,4-Methyl-i-propylbenzene	A10	0.0004	0.0029	0.000	0.000
Sec-Butylcyclohexane	A10	0.0009	0.0067	0.001	0.001
1,2-Methyl-i-propylbenzene	A10	0.0015	0.0106	0.001	0.001
3-Ethylnonane	I10	0.0005	0.0041	0.000	0.000
1,3-Diethylbenzene	A10	0.0003	0.0021	0.000	0.000
1,3-Methyl-n-propylbenzene	A10	0.0001	0.0007	0.000	0.000
1,4-Diethylbenzene	A10	0.0011	0.0078	0.001	0.001
1,4-Methyl-n-propylbenzene	A10	0.0008	0.0057	0.000	0.000
n-Butylbenzene	A10	0.0002	0.0014	0.000	0.000
1,3-Dimethyl-5-ethylbenzene	A10	0.0019	0.0135	0.001	0.001
1,2-Diethylbenzene	A10	0.0006	0.0043	0.000	0.000
t-Decahydronaphthalene	A9	0.0001	0.0008	0.000	0.000
1,2-Methyl-n-propylbenzene	A10	0.0015	0.0106	0.001	0.001
1,3-Dimethyl-4-ethylbenzene	A10	0.0029	0.0206	0.002	0.002
1,2-Dimethyl-4-ethylbenzene	A10	0.0003	0.0021	0.000	0.000
1,3-Dimethyl-2-ethylbenzene	A10	0.0026	0.0184	0.001	0.001
1,2-Ethyl-i-propylbenzene	A10	0.0004	0.0031	0.000	0.000

UnknownC10s	U10	0.0076	0.0571	0.005	0.005
n-Undecane	P11	0.0146	0.1206	0.010	0.010
1,4-Ethyl-i-propylbenzene	A11	0.0003	0.0023	0.000	0.000
1,2,4,5-Tetramethylbenzene	A11	0.0013	0.0092	0.001	0.001
1,2-Methyl-n-butylbenzene	A11	0.0001	0.0008	0.000	0.000
1,2,3,5-Tetramethylbenzene	A11	0.0008	0.0057	0.001	0.001
1,2-Methyl-t-butylbenzene	A11	0.0006	0.0047	0.000	0.000
5-Methylindan	A11	0.0009	0.0063	0.001	0.001
4-Methylindan	A11	0.0006	0.0042	0.000	0.000
1,2-Ethyl-n-propylbenzene	A11	0.0001	0.0008	0.000	0.000
2-Methylindan	A11	0.0005	0.0035	0.000	0.000
1,3-Methyl-n-butylbenzene	A11	0.0005	0.0039	0.000	0.000
1,3-Di-i-propylbenzene	A11	0.0004	0.0034	0.000	0.000
sec-Pentylbenzene	A11	0.0001	0.0008	0.000	0.000
n-Pentylbenzene	A11	0.0025	0.0196	0.001	0.001
1,2-Di-n-propylbenzene	A11	0.0009	0.0077	0.001	0.001
1,4-Di-i-propylbenzene	A11	0.0005	0.0043	0.000	0.000
Tetrahydronaphthalene	A10	0.0004	0.0028	0.000	0.000
Naphthalene	A10	0.0017	0.0115	0.001	0.001
1-t-Butyl-3,5-dimethylbenzene	A12	0.0003	0.0026	0.000	0.000
1,4-Ethyl-t-butylbenzene	A11	0.0007	0.0060	0.001	0.001
1,3-Di-n-propylbenzene	A12	0.0003	0.0026	0.000	0.000
UnknownC11s	U11	0.0065	0.0537	0.004	0.004
n-Dodecane	P12	0.0139	0.1252	0.010	0.010
1,3,5-Triethylbenzene	A12	0.0024	0.0206	0.001	0.001
1,2,4-Triethylbenzene	A12	0.0006	0.0051	0.000	0.000
1,4-Methyl-n-pentylbenzene	A12	0.0012	0.0103	0.001	0.001
n-Hexylbenzene	A12	0.0018	0.0154	0.001	0.001
1,2,3,4,5-Pentamethylbenzene	A13	0.0007	0.0055	0.001	0.001
2-Methylnaphthalene	A11	0.0005	0.0038	0.000	0.000
1-Methylnaphthalene	A11	0.0005	0.0038	0.000	0.000
UnknownC12s	U12	0.0084	0.0694	0.006	0.006
n-Tridecane	P13	0.0107	0.1043	0.008	0.008
UnknownC13s	U13	0.0110	0.1072	0.008	0.008
n-Tetradecane	P14	0.0056	0.0587	0.005	0.005
UnknownC14s	U14	0.0075	0.0786	0.006	0.006
n-Pentadecane	P15	0.0027	0.0303	0.002	0.002
UnknownC15s	U15	0.0024	0.0270	0.002	0.002
n-Hexadecane	P16	0.0011	0.0132	0.001	0.001
UnknownC16s	U16	0.0010	0.0119	0.001	0.001
n-Heptadecane	P17	0.0004	0.0051	0.000	0.000
UnknownC17s	U17	0.0002	0.0025	0.000	0.000
n-Octadecane	P18	0.0002	0.0027	0.000	0.000
n-Nonadecane	P19	0.0001	0.0014	0.000	0.000
TOTAL		100.00000	100.00000	1.2452	1.2506

BTEX COMPONENTS	MOLE%	WT%
BENZENE	0.0374	0.1544
TOLUENE	0.0656	0.3194
ETHYLBENZENE	0.0036	0.0202
XYLENES	0.0428	0.2402
TOTAL BTEX	0.1494	0.7342

**(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 :	918.2 /scf	923.2 /scf
	NET WET REAL :	902.1 /scf	907.1 /scf
HHV	GROSS DRY REAL :	1017.3 /scf	1022.9 /scf
	GROSS WET REAL :	999.5 /scf	1005.1 /scf
	NET HEATING VALUE (60 °F ideal reaction):		18445.9 Btu/lbm
	GROSS HEATING VALUE (60°F ideal reaction):		20434.5 Btu/lbm
	RELATIVE DENSITY (AIR=1):		0.6522
	DENSITY		0.04986 lb/scf
	COMPRESSIBILITY FACTOR :		0.9977
	REGULAR WOBBE INDEX		1260.8

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

Net Dry Ideal BTU	5755.8 /scf	Relative Density - SG (Air=1)	4.0041		***C6+factors***
Gross Dry Ideal BTU	6176.2 /scf	**Z** Compressiblity Factor	0.99718		0.99589
Net Dry Ideal BTU	18890.4 /lb	Density Factor	305.556	lbm/1000 ft3	
Gross Dry Ideal BTU	20269.9 /lb	Molar Mass or MW	115.954	g/mol	
		Volume Liquid Ideal gas	0.307	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.