EXTENDED NATURAL GAS ANALYSIS (*DHA)

MAIN PAGE

PRIMARY DB KEY:	**05-103-11266**	NAME/DESCRIP :	**120196002 YCF XOM 2-42-1**
LEASE #:	**COC-68957A**		**CASING**
FIELD/AREA:	**YELLOW CREEK**		

PROJECT NO. :	**202603075**	ANALYSIS NO. :	**02**
COMPANY NAME :	**QB ENERGY OPERATING, LLC**	ANALYSIS DATE:	APRIL 09, 2026 08:38
OFFICE / BRANCH:	PARACHUTE, CO	SAMPLE DATE :	MARCH 4, 2026
CUSTOMER REF:		TO:	
PRODUCER :	QB ENERGY OPERATING LLC	EFFECTIVE DATE:	

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

SAMPLE CYCLE:			SAMPLE TYPE:	SPOT
SAMPLE PRES. :	2954	psig	PROBE :	NO
FLOW PRES. :		psig	CYLINDER NO. :	ECA-743
LAB PRES:		psig	SAMPLED BY :	MIKE KELLEY
SAMPLE TEMP. :	57	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	0.0041	0.0046	0.0010	0.0010
HELIUM	0.00	0.00	---	---
HYDROGEN	0.00	0.00	---	---
OXYGEN/ARGON	0.00	0.00	---	---
NITROGEN	0.02	0.01	---	---
CARBON DIOXIDE	4.20	4.33	---	---
METHANE	35.1840	13.2129	---	---
ETHANE	9.1110	6.4131	2.4533	2.4667
PROPANE	12.2519	12.6467	3.3993	3.4179
I-BUTANE	10.2175	13.9017	3.3670	3.3854
N-BUTANE	9.3978	12.7864	2.9833	2.9996
I-PENTANE	7.9327	13.3920	2.9177	2.9336
N-PENTANE	4.4806	7.5674	1.6355	1.6445
HEXANES PLUS	7.2004	15.7352	2.9783	2.9944
TOTALS	100.00000	100.00000	19.7354	19.8431

BTEX COMPONENTS	MOLE%	WT%
BENZENE	0.4366	0.7984
TOLUENE	0.4121	0.8889
ETHYLBENZENE	0.0134	0.0333
XYLENES	0.1587	0.3944
TOTAL BTEX	1.0208	2.1150

**(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 :	2156.2 /scf	2168.0	/scf
	NET WET REAL :	2118.5 /scf	2130.3	/scf
HHV	GROSS DRY REAL :	2342.7 /scf	2355.4	/scf
	GROSS WET REAL :	2301.7 /scf	2314.4	/scf
	NET HEATING VALUE (60 °F ideal reaction):		18994.0	Btu/lbm
	GROSS HEATING VALUE (60°F ideal reaction):		20642.3	Btu/lbm
	RELATIVE DENSITY (AIR=1):		1.4738	
	DENSITY		0.11257	lbm/scf
	COMPRESSIBILITY FACTOR :		0.9874	
	REGULAR WOBBE INDEX		1911.4	

EMPACT

EXTENDED NATURAL GAS ANALYSIS (*DHA)

GLYCALC INFORMATION

PROJECT NO. :	202603075	ANALYSIS NO. :	02
COMPANY NAME :	QB ENERGY OPERATING, LLC	ANALYSIS DATE:	APRIL 09, 2026 08:38
ACCOUNT NO. :		SAMPLE DATE :	MARCH 4, 2026
PRODUCER :	QB ENERGY OPERATING LLC	CYLINDER NO. :	ECA-743
LEASE NO. :	COC-68957A	SAMPLED BY :	MIKE KELLEY
NAME/DESCRIP :	120196002 YCF XOM 2-42-1 CASING		
FIELD DATA		SAMPLE TEMP. :	57
SAMPLE PRES. :	2954	AMBIENT TEMP.:	
H2S BY STAIN TUBE:	_ *ppm mol*		
COMMENTS :	*SPOT* *NO PROBE*		

Componet	Mole %	Wt %
Helium	0.00	0.00
Hydrogen	0.00	0.00
Carbon Dioxide	4.20	4.33
Nitrogen	0.02	0.01
Methane	35.1840	13.2129
Ethane	9.1110	6.4131
Propane	12.2519	12.6467
Isobutane	10.2175	13.9017
n-Butane	9.3978	12.7864
Isopentane	7.8123	13.1943
n-Pentane	4.4806	7.5674
Cyclopentane	0.1204	0.1977
n-Hexane	0.9772	1.9713
Cyclohexane	0.3842	0.7569
Other Hexanes	2.4895	5.0030
Heptanes	0.9780	2.2842
Methylcyclohexane	0.5881	1.3517
2,2,4 Trimethylpentane	0.0022	0.0059
Benzene	0.4366	0.7984
Toluene	0.4121	0.8889
Ethylbenzene	0.0134	0.0333
Xylenes	0.1587	0.3944
C8+ Heavies	0.7604	2.2472
Subtotal	99.99590	99.99540
Oxygen/Argon	0.00	0.00
Alcohols	0.0041	0.0046
Total	100.00000	100.00000

Calculated Values BTU @ **14.65**		**Total Sample**	**C6+ Fraction**	**C8+ Fraction**	**C10+ Fraction**	
LHV	Net Dry Real:	2156.2	4691.5	6068.3	7487.0	**Btu/scf**
	Net Wet Real:	2118.5	4609.5	5962.2	7356.1	**Btu/scf**
HHV	Gross Dry Real:	2342.7	5038.3	6519.4	8099.1	**Btu/scf**
	Gross Wet Real:	2301.7	4950.2	6405.4	7957.5	**Btu/scf**
Other Calculated Values						
Regualr Wobbe Index*		1911.4	2792.2	3174.8	3578.5	**Btu/scf**
Net Heating Value (60 °F ideal reaction):		18994.0	19097.5	19152.6	18868.4	**Btu/lbm**
Gross Heating Value (60°F ideal reaction):		20642.3	20510.6	20575.2	20406.1	**Btu/lbm**
Molar Mass (MW):		42.7186	93.351	122.493	149.213	**g/mol**
Relative Density (AIR=1):		1.4738	3.2236	4.2303	5.1519	**SG**
Density:		0.11257	0.24600	0.32280	0.39319	**lbm/scf**
Compressiblity Factor:		0.9874	0.9919	0.9985	0.9997	**Z**
Liquid Volume real gas @:	**14.65**	26.1329	2.9418	0.4745	0.1236	**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:	**05-103-11266**	NAME/DESCRIP :	**120196002 YCF XOM 2-42-1**
LEASE #:	**COC-68957A**		**CASING**
FIELD/AREA:	**YELLOW CREEK**		
PROJECT NO. :	**202603075**	ANALYSIS NO. :	**02**
COMPANY NAME :	**QB ENERGY OPERATING, LLC**	ANALYSIS DATE:	APRIL 09, 2026 08:38
OFFICE / BRANCH:	PARACHUTE, CO	SAMPLE DATE :	MARCH 4, 2026
CUSTOMER REF:		TO:	
PRODUCER :	QB ENERGY OPERATING LLC	EFFECTIVE DATE:	
FIELD DATA			
SAMPLE CYCLE:		SAMPLE TYPE:	SPOT
SAMPLE PRES. :	2954 psig	PROBE :	NO
FLOW PRES. :	psig	CYLINDER NO. :	ECA-743
LAB PRES:	psig	SAMPLED BY :	MIKE KELLEY
SAMPLE TEMP. :	57 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**
Nitrogen	---	0.02	0.01	---	---
Carbon Dioxide	---	4.20	4.33	---	---
Methane	P1	35.1840	13.2129	---	---
Ethane	P2	9.1110	6.4131	2.453	2.467
Propane	P3	12.2519	12.6467	3.399	3.418
i-Butane	I4	10.2175	13.9017	3.367	3.385
Methanol	X1	0.0011	0.0008	0.000	0.000
n-Butane	P4	9.3978	12.7864	2.983	3.000
2,2-Dimethylpropane	I5	0.2195	0.3707	0.085	0.085
Ethanol	X2	0.0012	0.0013	0.000	0.000
i-Pentane	I5	7.5928	12.8236	2.797	2.812
Acetone	X3	0.0015	0.0020	0.001	0.001
n-Pentane	P5	4.4806	7.5674	1.636	1.645
t-Butanol	X4	0.0003	0.0005	0.000	0.000
2,2-Dimethylbutane	I6	0.2302	0.4644	0.097	0.097
Cyclopentane	N5	0.1204	0.1977	0.036	0.037
2,3-Dimethylbutane	I6	0.2563	0.5170	0.106	0.107
2-Methylpentane	I6	1.0613	2.1410	0.443	0.446
3-Methylpentane	I6	0.5361	1.0815	0.220	0.221
n-Hexane	P6	0.9772	1.9713	0.405	0.407
2,2-Dimethylpentane	I7	0.0347	0.0814	0.016	0.016
Methylcyclopentane	N6	0.4048	0.7975	0.144	0.145
2,4-Dimethylpentane	I7	0.0437	0.1025	0.020	0.020
2,2,3-Trimethylbutane	I7	0.0128	0.0300	0.006	0.006
Benzene	A6	0.4366	0.7984	0.123	0.124
3,3-Dimethylpentane	I7	0.0165	0.0387	0.007	0.007
Cyclohexane	N6	0.3842	0.7569	0.131	0.132

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

2-Methylhexane	I7	0.1785	0.4187	0.084	0.084
2,3-Dimethylpentane	I7	0.0397	0.0931	0.018	0.018
1,1-Dimethylcyclopentane	N7	0.0436	0.1002	0.018	0.018
3-Methylhexane	I7	0.1538	0.3608	0.071	0.071
1c,3-Dimethylcyclopentane	N7	0.0499	0.1147	0.023	0.023
1t,3-Dimethylcyclopentane	N7	0.0448	0.1030	0.021	0.021
3-Ethylpentane	I7	0.0063	0.0148	0.003	0.003
1t,2-Dimethylcyclopentane	N7	0.0698	0.1605	0.032	0.033
2,2,4-Trimethylpentane	I8	0.0022	0.0059	0.001	0.001
UnknownC6s	U6	0.0008	0.0016	0.000	0.000
n-Heptane	P7	0.2596	0.6089	0.120	0.121
1c,2-Dimethylcyclopentane	N7	0.0055	0.0126	0.003	0.003
Methylcyclohexane	N7	0.5881	1.3517	0.238	0.240
2,2-Dimethylhexane	I8	0.0115	0.0308	0.005	0.005
1,1,3-Trimethylcyclopentane	N7	0.0033	0.0087	0.002	0.002
Ethylcyclopentane	N7	0.0155	0.0356	0.006	0.006
2,5-Dimethylhexane	I8	0.0120	0.0321	0.006	0.006
2,2,3-Trimethylpentane	I8	0.0097	0.0259	0.005	0.005
2,4-Dimethylhexane	I8	0.0020	0.0053	0.001	0.001
1c,2t,4-Trimethylcyclopentane	N8	0.0076	0.0200	0.003	0.003
3,3-Dimethylhexane	I8	0.0036	0.0096	0.002	0.002
2,3,4-Trimethylpentane	I8	0.0002	0.0005	0.000	0.000
2,3,3-Trimethylpentane	I8	0.0003	0.0008	0.000	0.000
Toluene	A7	0.4121	0.8889	0.139	0.140
2,3-Dimethylhexane	I8	0.0078	0.0209	0.004	0.004
2-Methyl-3-ethylpentane	I8	0.0008	0.0021	0.000	0.000
1,1,2-Trimethylcyclopentane	N8	0.0002	0.0005	0.000	0.000
2-Methylheptane	I8	0.0392	0.1048	0.020	0.020
4-Methylheptane	I8	0.0137	0.0366	0.007	0.007
3-Methyl-3-ethylpentane	I8	0.0014	0.0038	0.001	0.001
3,4-Dimethylhexane	I8	0.0013	0.0035	0.001	0.001
1c,2c,4-Trimethylcyclopentane	N8	0.0003	0.0008	0.000	0.000
1c,3-Dimethylcyclohexane	N8	0.0004	0.0011	0.000	0.000
3-Methylheptane	I8	0.0333	0.0891	0.017	0.017
1c,2t,3-Trimethylcyclopentane	N8	0.0520	0.1366	0.027	0.027
3-Ethylhexane	I8	0.0051	0.0137	0.003	0.003
1t,4-Dimethylcyclohexane	N8	0.0245	0.0644	0.013	0.013
1,1-Dimethylcyclohexane	N8	0.0117	0.0307	0.005	0.005
2,2,5-Trimethylhexane	I9	0.0011	0.0033	0.001	0.001
3c-Ethylmethylcyclopentane	N8	0.0020	0.0052	0.001	0.001
3t-Ethylmethylcyclopentane	N8	0.0018	0.0047	0.001	0.001
2t-Ethylmethylcyclopentane	N8	0.0018	0.0047	0.001	0.001
1,1-Methylethylcyclopentane	N8	0.0004	0.0011	0.000	0.000
2,2,4-Trimethylhexane	I9	0.0008	0.0024	0.000	0.000
1t,2-Dimethylcyclohexane	N8	0.0162	0.0426	0.008	0.008
1c,2c,3-Trimethylcyclopentane	N8	0.0008	0.0021	0.000	0.000
1t,3-Dimethylcyclohexane	N8	0.0083	0.0218	0.004	0.004
n-Octane	P8	0.0697	0.1864	0.036	0.037
1c,4-Dimethylcyclohexane	N8	0.0163	0.0428	0.008	0.008
i-Propylcyclopentane	I8	0.0004	0.0011	0.000	0.000
2,3,5-Trimethylhexane	I9	0.0013	0.0039	0.001	0.001
2,2,3,4-Tetramethylpentane	I9	0.0002	0.0006	0.000	0.000
2,3,4-Trimethylhexane	I9	0.0006	0.0018	0.000	0.000
1c,2-Dimethylcyclohexane	N8	0.0001	0.0003	0.000	0.000
2,2-Dimethylheptane	I9	0.0040	0.0120	0.002	0.002
1,1,4-Trimethylcyclohexane	N9	0.0129	0.0381	0.007	0.007
2,2,3-Trimethylhexane	I9	0.0037	0.0111	0.002	0.002
2,4-Dimethylheptane	I9	0.0008	0.0024	0.000	0.000
4,4-Dimethylheptane	I9	0.0005	0.0015	0.000	0.000
Ethylcyclohexane	N8	0.0063	0.0166	0.003	0.003

n-Propylcyclopentane	N8	0.0042	0.0110	0.002	0.002
1c,3c,5-Trimethylcyclohexane	N9	0.0017	0.0050	0.001	0.001
2,5-Dimethylheptane	I9	0.0075	0.0225	0.004	0.004
3,3-Dimethylheptane	I9	0.0017	0.0051	0.001	0.001
3,5-Dimethylheptane	I9	0.0004	0.0012	0.000	0.000
2,6-Dimethylheptane	I9	0.0005	0.0015	0.000	0.000
1,1,3-Trimethylcyclohexane	N9	0.0006	0.0018	0.000	0.000
Ethylbenzene	I8	0.0134	0.0333	0.005	0.005
1c,2t,4t-Trimethylcyclohexane	N9	0.0003	0.0009	0.000	0.000
2,3-Dimethylheptane	I9	0.0005	0.0015	0.000	0.000
1,3-Dimethylbenzene (m-Xylene)	A8	0.1069	0.2657	0.041	0.042
1,4-Dimethylbenzene (p-Xylene)	A8	0.0371	0.0922	0.014	0.014
3,4-Dimethylheptane	I9	0.0007	0.0021	0.000	0.000
3,4-Dimethylheptane (2)	I9	0.0008	0.0024	0.000	0.000
4-Ethylheptane	I9	0.0013	0.0039	0.001	0.001
4-Methyloctane	I9	0.0076	0.0228	0.004	0.004
2-Methyloctane	I9	0.0106	0.0318	0.006	0.006
1c,2t,3-Trimethylcyclohexane	N9	0.0005	0.0015	0.000	0.000
3-Ethylheptane	I9	0.0005	0.0015	0.000	0.000
3-Methyloctane	I9	0.0013	0.0039	0.001	0.001
1c,2t,4c-Trimethylcyclohexane	I9	0.0100	0.0295	0.006	0.006
1,1,2-Trimethylcyclohexane	N9	0.0003	0.0009	0.000	0.000
3,3-Diethylpentane	I9	0.0005	0.0015	0.000	0.000
1,2-Dimethylbenzene (o-Xylene)	A8	0.0147	0.0365	0.006	0.006
i-Butylcyclopentane	N9	0.0056	0.0166	0.003	0.003
UnknownC8s	U8	0.0012	0.0032	0.001	0.001
n-Nonane	P9	0.0423	0.1270	0.024	0.024
1,1-Methylethylcyclohexane	N9	0.0029	0.0086	0.002	0.002
i-Propylbenzene	A9	0.0009	0.0025	0.000	0.000
i-Propylcyclohexane	N9	0.0007	0.0021	0.000	0.000
2,2-Dimethyloctane	I10	0.0003	0.0010	0.000	0.000
2,4-Dimethyloctane	I10	0.0015	0.0050	0.001	0.001
2,6-Dimethyloctane	I10	0.0006	0.0020	0.000	0.000
2,5-Dimethyloctane	I10	0.0003	0.0010	0.000	0.000
n-Butylcyclopentane	N9	0.0039	0.0115	0.002	0.002
3,3-Dimethyloctane	I10	0.0021	0.0070	0.001	0.001
n-Propylbenzene	A9	0.0038	0.0107	0.002	0.002
3,6-Dimethyloctane	I10	0.0016	0.0053	0.001	0.001
3-Methyl-5-ethylheptane	I10	0.0004	0.0013	0.000	0.000
1,3-Methylethylbenzene	A9	0.0086	0.0242	0.005	0.005
1,4-Methylethylbenzene	A9	0.0033	0.0093	0.002	0.002
1,3,5-Trimethylbenzene	A9	0.0163	0.0459	0.007	0.007
2,3-Dimethyloctane	I10	0.0019	0.0063	0.001	0.001
5-Methylnonane	I10	0.0042	0.0140	0.002	0.002
1,2-Methylethylbenzene	A9	0.0047	0.0132	0.003	0.003
2-Methylnonane	I10	0.0018	0.0060	0.001	0.001
3-Ethyloctane	I10	0.0009	0.0030	0.001	0.001
3-Methylnonane	I10	0.0050	0.0166	0.003	0.003
1,2,4-Trimethylbenzene	A9	0.0014	0.0039	0.001	0.001
t-Butylbenzene	A10	0.0145	0.0456	0.007	0.007
i-Butylcyclohexane	N10	0.0025	0.0082	0.001	0.001
1t-Methyl-2-n-propylcyclohexane	I10	0.0007	0.0023	0.000	0.000
i-Butylbenzene	A10	0.0008	0.0025	0.000	0.000
sec-Butylbenzene	A10	0.0005	0.0016	0.000	0.000
UnknownC9s	U9	0.0188	0.0564	0.011	0.011
n-Decane	P10	0.0331	0.1103	0.020	0.020
1,2,3-Trimethylbenzene	A9	0.0001	0.0003	0.000	0.000
1,3-Methyl-i-propylbenzene	A10	0.0012	0.0038	0.001	0.001
1,4-Methyl-i-propylbenzene	A10	0.0011	0.0035	0.001	0.001
Sec-Butylcyclohexane	A10	0.0003	0.0010	0.000	0.000
1,2-Methyl-i-propylbenzene	A10	0.0004	0.0013	0.000	0.000

3-Ethylnonane	I10	0.0010	0.0037	0.001	0.001
1,3-Diethylbenzene	A10	0.0030	0.0094	0.002	0.002
1,3-Methyl-n-propylbenzene	A10	0.0025	0.0079	0.001	0.001
1,4-Diethylbenzene	A10	0.0018	0.0057	0.001	0.001
1,4-Methyl-n-propylbenzene	A10	0.0007	0.0022	0.000	0.000
n-Butylbenzene	A10	0.0029	0.0091	0.001	0.001
1,3-Dimethyl-5-ethylbenzene	A10	0.0012	0.0038	0.001	0.001
1,2-Diethylbenzene	A10	0.0037	0.0116	0.002	0.002
t-Decahydronaphthalene	A9	0.0010	0.0036	0.001	0.001
1,2-Methyl-n-propylbenzene	A10	0.0023	0.0072	0.002	0.002
1,3-Dimethyl-4-ethylbenzene	A10	0.0041	0.0129	0.003	0.003
1,2-Dimethyl-4-ethylbenzene	A10	0.0014	0.0044	0.001	0.001
1,3-Dimethyl-2-ethylbenzene	A10	0.0027	0.0085	0.001	0.001
1,2-Dimethyl-3-ethylbenzene	A10	0.0009	0.0028	0.000	0.000
1,2-Ethyl-i-propylbenzene	A10	0.0008	0.0028	0.001	0.001
1,4-Methyl-t-butylbenzene	A11	0.0009	0.0031	0.001	0.001
UnknownC10s	U10	0.0138	0.0460	0.008	0.008
n-Undecane	P11	0.0227	0.0831	0.015	0.015
1,4-Ethyl-i-propylbenzene	A11	0.0012	0.0042	0.001	0.001
1,2,4,5-Tetramethylbenzene	A11	0.0009	0.0028	0.000	0.000
1,2-Methyl-n-butylbenzene	A11	0.0006	0.0021	0.000	0.000
1,2,3,5-Tetramethylbenzene	A11	0.0005	0.0016	0.000	0.000
1,2-Methyl-t-butylbenzene	A11	0.0009	0.0031	0.001	0.001
5-Methylindan	A11	0.0003	0.0009	0.000	0.000
4-Methylindan	A11	0.0008	0.0025	0.001	0.001
1,2-Ethyl-n-propylbenzene	A11	0.0012	0.0042	0.001	0.001
2-Methylindan	A11	0.0004	0.0012	0.000	0.000
1,3-Methyl-n-butylbenzene	A11	0.0003	0.0010	0.000	0.000
1,3-Di-i-propylbenzene	A11	0.0008	0.0030	0.001	0.001
sec-Pentylbenzene	A11	0.0005	0.0017	0.000	0.000
n-Pentylbenzene	A11	0.0010	0.0035	0.001	0.001
1,2-Di-n-propylbenzene	A11	0.0008	0.0030	0.001	0.001
1,4-Di-i-propylbenzene	A11	0.0005	0.0019	0.000	0.000
Tetrahydronaphthalene	A10	0.0004	0.0012	0.000	0.000
Naphthalene	A10	0.0012	0.0036	0.001	0.001
1-t-Butyl-3,5-dimethylbenzene	A12	0.0003	0.0012	0.000	0.000
1,4-Ethyl-t-butylbenzene	A11	0.0002	0.0008	0.000	0.000
1,3-Di-n-propylbenzene	A12	0.0004	0.0015	0.000	0.000
UnknownC11s	U11	0.0111	0.0406	0.007	0.007
n-Dodecane	P12	0.0120	0.0479	0.009	0.009
1,3,5-Triethylbenzene	A12	0.0012	0.0046	0.001	0.001
1,2,4-Triethylbenzene	A12	0.0004	0.0015	0.000	0.000
1,4-Methyl-n-pentylbenzene	A12	0.0004	0.0015	0.000	0.000
n-Hexylbenzene	A12	0.0004	0.0015	0.000	0.000
1,2,3,4,5-Pentamethylbenzene	A13	0.0011	0.0038	0.001	0.001
2-Methylnaphthalene	A11	0.0008	0.0027	0.001	0.001
1-Methylnaphthalene	A11	0.0003	0.0010	0.000	0.000
UnknownC12s	U12	0.0065	0.0238	0.004	0.004
n-Tridecane	P13	0.0052	0.0225	0.004	0.004
UnknownC13s	U13	0.0032	0.0138	0.002	0.002
n-Tetradecane	P14	0.0018	0.0084	0.001	0.001
UnknownC14s	U14	0.0038	0.0177	0.003	0.003
n-Pentadecane	P15	0.0006	0.0030	0.001	0.001
UnknownC15s	U15	0.0003	0.0015	0.000	0.000
n-Hexadecane	P16	0.0002	0.0011	0.000	0.000
n-Heptadecane	P17	0.0002	0.0011	0.000	0.000
TOTAL		100.00000	100.00000	19.7354	19.8431

BTEX COMPONENTS	MOLE%	WT%
BENZENE	0.4366	0.7984
TOLUENE	0.4121	0.8889
ETHYLBENZENE	0.0134	0.0333
XYLENES	0.1587	0.3944
TOTAL BTEX	1.0208	2.1150

**(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 :	2156.2 /scf	2168.0 /scf
	NET WET REAL :	2118.5 /scf	2130.3 /scf
HHV	GROSS DRY REAL :	2342.7 /scf	2355.4 /scf
	GROSS WET REAL :	2301.7 /scf	2314.4 /scf
	NET HEATING VALUE (60 °F ideal reaction):		18994.0 Btu/lbm
	GROSS HEATING VALUE (60°F ideal reaction):		20642.3 Btu/lbm
	RELATIVE DENSITY (AIR=1):		1.4738
	DENSITY		0.11257 lb/scf
	COMPRESSIBILITY FACTOR :		0.9874
	REGULAR WOBBE INDEX		1911.4

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

					C6+factors
Net Dry Ideal BTU	4668.1 /scf	Relative Density - SG (Air=1)	3.2236		
Gross Dry Ideal BTU	5013.2 /scf	Z Compressiblity Factor	0.9919		0.9909
Net Dry Ideal BTU	19097.5 /lb	Density Factor	245.999	lbm/1000 ft3	
Gross Dry Ideal BTU	20510.6 /lb	Molar Mass or MW	93.351	g/mol	
		Volume Liquid Ideal gas	2.951	scf/gal	23.9

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.