Weatherford LABORATORIES

EXTRACT GC

Company:	**Canada-Nunavut Geoscience Office**	**Client ID:**	**07CYA-Z040-08**
Country:	**CANADA**	**Project #:**	**10-477-A**
Basin:		**Lab ID:**	**ADV000001**
Lease:		**Sample Type:**	**Core**
Block:		**Sampling Point:**	
Field:		**Formation:**	
Well Name:	**07CYA**	**Geologic Age:**	
Latitude:	**0**	**Top Depth:**	
Longitude:	**0**	**Bottom Depth:**	
Preparation:		**GC Method:**	**G02G**

Extract GC Trace **G6100426.D**

WGC parameters	
Pristane/Phytane	0.62
Pristane/*n* C_{17}	0.90
Phytane/*n* C_{18}	1.79
n C_{18}/(nC_{18}+*n* C_{19})	0.49
n C_{17}/(nC_{17}+*n* C_{29})	0.76
CPI Hunt[4]	1.44
Normal Paraffins	12.8
Isoprenoids	4.7
Cycloparaffins	
Branched (iso-) Paraffins	
BTX aromatics	
Resolved unknowns	82.4

Thompson[1]	
A.	BZ/*n* C_6
B.	TOL/*n* C_7
C.	(*n* C_6+*n* C_7)/(CH+MCH)
I.	Isoheptane Value
F.	*n* C_7/MCH
U.	CH/MCP
R.	*n* C_7/2MH
S.	*n* C_6/22DMB
H.	Heptane Value
	MCH/*n* C_7
	mpXYL/*n* C_8

Mango[2]
P_1
P_2
P_3
$5N_1$
N_2
$6N_1$
K_1
K_2
$5N_1/6N_1$
P_3/N_2
In(24DMP/23DMP)

Halpern[3]
Tr_1
Tr_2
Tr_3
Tr_4
Tr_5
Tr_7
Tr_8
C_1
C_2
C_3
C_4
C_5

[1]Thompson, K.F.M.,1983.GCA:V.47, p.303.[2]Mango, F.D.,1994.GCA: V.58, p.895. [3]Halpern,H.I.,1995,AAPG Bull.: V.79, p.801. [4]Hunt, 1979

Company:	**Canada-Nunavut Geoscience Office**	**Client ID:**	**07CYA-Z040-08**
Well Name:	**07CYA**	**Project #:**	**10-477-A**
Depth:	**-**	**Lab ID:**	**ADV000001**
Sampling Point:		**File Name:**	**G6100426.D**

Peak Label	Compound Name	Ret. Time	Area	Height	ppt (Area)	ppt (Hght)
IC4	Iso-alkane C4					
NC4	Normal Alkane C4					
IC5	Iso-alkane C5					
NC5	Normal Alkane C5					
22DMB	2,2-Dimethylbutane					
CP	Cyclopentane					
23DMB	2,3-Dimethylbutane					
2MP	2-Methylpentane					
3MP	3-Methylpentane					
NC6	Normal Alkane C6					
22DMP	2,2-Dimethylpentane					
MCP	Methylcyclopentane					
24DMP	2,4-Dimethylpentane					
223TMB	2,2,3-Trimethylbutane					
BZ	Benzene					
33DMP	3,3-Dimethylpentane					
CH	Cyclohexane					
2MH	2-Methylhexane					
23DMP	2,3-Dimethylpentane					
11DMCP	1,1-Dimethylcyclopentane					
3MH	3-Methylhexane					
1C3DMCP	1-cis-3-Dimethylcyclopentane					
1T3DMCP	1-trans-3-Dimethylcyclopentane					
3EP	3-Ethylpentane					
1T2DMCP	1-trans-2-Dimethylcyclopentane					
NC7	Normal Alkane C7					
ISTD	Internal Standard					
MCH	Methylcyclohexane					
113TMCP	1,1,3,-Trimethylcyclopentane					
ECP	Ethylcyclopentane					
124TMCP	1,2,4-Trimethylcyclopentane					
123TMCP	1,2,3-Trimethylcyclopentane					
TOL	Toluene					
NC8	Normal Alkane C8					
IP9	Isoprenoid C9					
EB	Ethyl-benzene					
MXYL	*m*-xylene					
PXYL	*p*-xylene					
OXYL	*o*-xylene					
NC9	Normal Alkane C9					
IP10	Isoprenoid C10					
PB	Propyl-benzene					
NC10	Normal Alkane C10					
IP11	Isoprenoid C11					
NC11	Normal Alkane C11	32.017	4816	1095		
NC12	Normal Alkane C12	36.975	9704	2462		
IP13	Isoprenoid C13	37.721	9424	2201		
IP14	Isoprenoid C14	40.388	12502	3691		
NC13	Normal Alkane C13	41.621	26581	7221		
IP15	Isoprenoid C15	45.099	21334	5487		
NC14	Normal Alkane C14	45.995	47654	13232		

Company:	**Canada-Nunavut Geoscience Office**	**Client ID:**	**07CYA-Z040-08**
Well Name:	**07CYA**	**Project #:**	**10-477-A**
Depth:	**-**	**Lab ID:**	**ADV000001**
Sampling Point:		**File Name:**	**G6100426.D**

Peak Label	Compound Name	Ret. Time	Area	Height	ppt (Area)	ppt (Hght)
IP16	Isoprenoid C16	48.689	43579	10406		
NC15	Normal Alkane C15	50.120	78532	19131		
NC16	Normal Alkane C16	54.014	60215	16869		
IP18	Isoprenoid C18	55.965	47404	9434		
NC17	Normal Alkane C17	57.711	72967	20392		
IP19	Isoprenoid C19 (Pristane)	58.078	65709	12151		
PHEN	Phenanthrene	58.982	3892	969		
NC18	Normal Alkane C18	61.218	59122	15307		
IP20	Isoprenoid C20 (Phytane)	61.695	105876	19529		
NC19	Normal Alkane C19	64.560	61276	14634		
NC20	Normal Alkane C20	67.746	48092	11555		
NC21	Normal Alkane C21	70.791	40799	11308		
C25HBI	Highly Branch Isoprenoid C25	71.085	5900	1376		
NC22	Normal Alkane C22	73.707	38613	10264		
NC23	Normal Alkane C23	76.502	44722	10805		
NC24	Normal Alkane C24	79.186	37484	8871		
NC25	Normal Alkane C25	81.768	54862	13005		
NC26	Normal Alkane C26	84.253	31898	7396		
NC27	Normal Alkane C27	86.654	39198	9294		
NC28	Normal Alkane C28	88.955	22254	4799		
NC29	Normal Alkane C29	91.195	23594	5838		
NC30	Normal Alkane C30	93.363	12139	2427		
NC31	Normal Alkane C31	95.444	13145	2275		
NC32	Normal Alkane C32	97.448	5206	1201		
NC33	Normal Alkane C33	99.419	8167	1683		
NC34	Normal Alkane C34	101.318	6605	1418		
NC35	Normal Alkane C35	103.246	4487	837		
NC36	Normal Alkane C36	105.367	7521	673		
NC37	Normal Alkane C37					
NC38	Normal Alkane C38					
NC39	Normal Alkane C39					
NC40	Normal Alkane C40					
NC41	Normal Alkane C41					

Weatherford LABORATORIES

EXTRACT GC

Company:	**Canada-Nunavut Geoscience Office**	**Client ID:**	**07CYA-Z040-10**
Country:	**CANADA**	**Project #:**	**10-477-A**
Basin:		**Lab ID:**	**ADV000002**
Lease:		**Sample Type:**	**Core**
Block:		**Sampling Point:**	
Field:		**Formation:**	
Well Name:	**07CYA**	**Geologic Age:**	
Latitude:	**0**	**Top Depth:**	
Longitude:	**0**	**Bottom Depth:**	
Preparation:		**GC Method:**	**G02G**

Extract GC Trace **G6100427.D**

WGC parameters	
Pristane/Phytane	0.73
Pristane/*n* C_{17}	0.67
Phytane/*n* C_{18}	1.30
n C_{18}/(nC_{18}+*n* C_{19})	0.50
n C_{17}/(nC_{17}+*n* C_{29})	0.90
CPI Hunt[4]	1.32
Normal Paraffins	19.4
Isoprenoids	7.0
Cycloparaffins	
Branched (iso-) Paraffins	
BTX aromatics	
Resolved unknowns	73.4

Thompson[1]	
A.	BZ/*n* C_6
B.	TOL/*n* C_7
C.	(*n* C_6+*n* C_7)/(CH+MCH)
I.	Isoheptane Value
F.	*n* C_7/MCH
U.	CH/MCP
R.	*n* C_7/2MH
S.	*n* C_6/22DMB
H.	Heptane Value
	MCH/*n* C_7
	mpXYL/*n* C_8

Mango[2]
P_1
P_2
P_3
$5N_1$
N_2
$6N_1$
K_1
K_2
$5N_1/6N_1$
P_3/N_2
In(24DMP/23DMP)

Halpern[3]
Tr_1
Tr_2
Tr_3
Tr_4
Tr_5
Tr_7
Tr_8
C_1
C_2
C_3
C_4
C_5

[1]Thompson, K.F.M.,1983.GCA:V.47, p.303.[2]Mango, F.D.,1994.GCA: V.58, p.895. [3]Halpern,H.I.,1995,AAPG Bull.: V.79, p.801. [4]Hunt, 1979

Company:	**Canada-Nunavut Geoscience Office**	**Client ID:**	**07CYA-Z040-10**
Well Name:	**07CYA**	**Project #:**	**10-477-A**
Depth:	**-**	**Lab ID:**	**ADV000002**
Sampling Point:		**File Name:**	**G6100427.D**

Peak Label	Compound Name	Ret. Time	Area	Height	ppt (Area)	ppt (Hght)
IC4	Iso-alkane C4					
NC4	Normal Alkane C4					
IC5	Iso-alkane C5					
NC5	Normal Alkane C5					
22DMB	2,2-Dimethylbutane					
CP	Cyclopentane					
23DMB	2,3-Dimethylbutane					
2MP	2-Methylpentane					
3MP	3-Methylpentane					
NC6	Normal Alkane C6					
22DMP	2,2-Dimethylpentane					
MCP	Methylcyclopentane					
24DMP	2,4-Dimethylpentane					
223TMB	2,2,3-Trimethylbutane					
BZ	Benzene					
33DMP	3,3-Dimethylpentane					
CH	Cyclohexane					
2MH	2-Methylhexane					
23DMP	2,3-Dimethylpentane					
11DMCP	1,1-Dimethylcyclopentane					
3MH	3-Methylhexane					
1C3DMCP	1-cis-3-Dimethylcyclopentane					
1T3DMCP	1-trans-3-Dimethylcyclopentane					
3EP	3-Ethylpentane					
1T2DMCP	1-trans-2-Dimethylcyclopentane					
NC7	Normal Alkane C7					
ISTD	Internal Standard					
MCH	Methylcyclohexane					
113TMCP	1,1,3,-Trimethylcyclopentane					
ECP	Ethylcyclopentane					
124TMCP	1,2,4-Trimethylcyclopentane					
123TMCP	1,2,3-Trimethylcyclopentane					
TOL	Toluene					
NC8	Normal Alkane C8					
IP9	Isoprenoid C9					
EB	Ethyl-benzene					
MXYL	*m*-xylene					
PXYL	*p*-xylene					
OXYL	*o*-xylene					
NC9	Normal Alkane C9					
IP10	Isoprenoid C10					
PB	Propyl-benzene					
NC10	Normal Alkane C10					
IP11	Isoprenoid C11					
NC11	Normal Alkane C11	32.046	5399	895		
NC12	Normal Alkane C12	36.976	7494	1912		
IP13	Isoprenoid C13	37.723	10061	2243		
IP14	Isoprenoid C14	40.393	11294	3151		
NC13	Normal Alkane C13	41.626	31151	8110		
IP15	Isoprenoid C15	45.104	24854	6179		
NC14	Normal Alkane C14	46.003	61367	15951		

Company:	**Canada-Nunavut Geoscience Office**	**Client ID:**	**07CYA-Z040-10**
Well Name:	**07CYA**	**Project #:**	**10-477-A**
Depth:	**-**	**Lab ID:**	**ADV000002**
Sampling Point:		**File Name:**	**G6100427.D**

Peak Label	Compound Name	Ret. Time	Area	Height	ppt (Area)	ppt (Hght)
IP16	Isoprenoid C16	48.693	51644	11606		
NC15	Normal Alkane C15	50.133	122786	27798		
NC16	Normal Alkane C16	54.024	81625	22083		
IP18	Isoprenoid C18	55.973	52204	10243		
NC17	Normal Alkane C17	57.725	103851	27907		
IP19	Isoprenoid C19 (Pristane)	58.087	69570	12393		
PHEN	Phenanthrene	58.970	9434	1663		
NC18	Normal Alkane C18	61.230	73724	18848		
IP20	Isoprenoid C20 (Phytane)	61.702	95650	17263		
NC19	Normal Alkane C19	64.571	73766	17781		
NC20	Normal Alkane C20	67.754	56617	12805		
NC21	Normal Alkane C21	70.799	42483	11417		
C25HBI	Highly Branch Isoprenoid C25	71.105	12096	2550		
NC22	Normal Alkane C22	73.712	35750	9349		
NC23	Normal Alkane C23	76.504	40387	9693		
NC24	Normal Alkane C24	79.189	30548	7288		
NC25	Normal Alkane C25	81.770	41742	9647		
NC26	Normal Alkane C26	84.249	24379	5225		
NC27	Normal Alkane C27	86.648	22281	5375		
NC28	Normal Alkane C28	88.951	12606	2393		
NC29	Normal Alkane C29	91.185	11821	2925		
NC30	Normal Alkane C30	93.347	7563	1320		
NC31	Normal Alkane C31	95.431	6445	1121		
NC32	Normal Alkane C32	97.435	4044	719		
NC33	Normal Alkane C33	99.409	3666	681		
NC34	Normal Alkane C34					
NC35	Normal Alkane C35					
NC36	Normal Alkane C36					
NC37	Normal Alkane C37					
NC38	Normal Alkane C38					
NC39	Normal Alkane C39					
NC40	Normal Alkane C40					
NC41	Normal Alkane C41					

Weatherford LABORATORIES

EXTRACT GC

Company:	**Canada-Nunavut Geoscience Office**	**Client ID:**	**07CYA-Z043-03**
Country:	**CANADA**	**Project #:**	**10-477-A**
Basin:		**Lab ID:**	**ADV000003**
Lease:		**Sample Type:**	**Core**
Block:		**Sampling Point:**	
Field:		**Formation:**	
Well Name:	**07CYA**	**Geologic Age:**	
Latitude:	**0**	**Top Depth:**	
Longitude:	**0**	**Bottom Depth:**	
Preparation:		**GC Method:**	**G02G**

Extract GC Trace **G6100422.D**

WGC parameters	
Pristane/Phytane	0.54
Pristane/*n* C_{17}	1.92
Phytane/*n* C_{18}	4.86
n C_{18}/(nC_{18}+*n* C_{19})	0.48
n C_{17}/(nC_{17}+*n* C_{29})	0.82
CPI Hunt[4]	0.90
Normal Paraffins	12.8
Isoprenoids	7.8
Cycloparaffins	
Branched (iso-) Paraffins	
BTX aromatics	
Resolved unknowns	79.3

Thompson[1]	
A.	BZ/*n* C_6
B.	TOL/*n* C_7
C.	(*n* C_6+*n* C_7)/(CH+MCH)
I.	Isoheptane Value
F.	*n* C_7/MCH
U.	CH/MCP
R.	*n* C_7/2MH
S.	*n* C_6/22DMB
H.	Heptane Value
	MCH/*n* C_7
	mpXYL/*n* C_8

Mango[2]
P_1
P_2
P_3
$5N_1$
N_2
$6N_1$
K_1
K_2
$5N_1/6N_1$
P_3/N_2
In(24DMP/23DMP)

Halpern[3]
Tr_1
Tr_2
Tr_3
Tr_4
Tr_5
Tr_7
Tr_8
C_1
C_2
C_3
C_4
C_5

[1]Thompson, K.F.M.,1983.GCA:V.47, p.303.[2]Mango, F.D.,1994.GCA: V.58, p.895. [3]Halpern,H.I.,1995,AAPG Bull.: V.79, p.801. [4]Hunt, 1979

Company:	**Canada-Nunavut Geoscience Office**	**Client ID:**	**07CYA-Z043-03**
Well Name:	**07CYA**	**Project #:**	**10-477-A**
Depth:	**-**	**Lab ID:**	**ADV000003**
Sampling Point:		**File Name:**	**G6100422.D**

Peak Label	Compound Name	Ret. Time	Area	Height	ppt (Area)	ppt (Hght)
IC4	Iso-alkane C4					
NC4	Normal Alkane C4					
IC5	Iso-alkane C5					
NC5	Normal Alkane C5					
22DMB	2,2-Dimethylbutane					
CP	Cyclopentane					
23DMB	2,3-Dimethylbutane					
2MP	2-Methylpentane					
3MP	3-Methylpentane					
NC6	Normal Alkane C6					
22DMP	2,2-Dimethylpentane					
MCP	Methylcyclopentane					
24DMP	2,4-Dimethylpentane					
223TMB	2,2,3-Trimethylbutane					
BZ	Benzene					
33DMP	3,3-Dimethylpentane					
CH	Cyclohexane					
2MH	2-Methylhexane					
23DMP	2,3-Dimethylpentane					
11DMCP	1,1-Dimethylcyclopentane					
3MH	3-Methylhexane					
1C3DMCP	1-cis-3-Dimethylcyclopentane					
1T3DMCP	1-trans-3-Dimethylcyclopentane					
3EP	3-Ethylpentane					
1T2DMCP	1-trans-2-Dimethylcyclopentane					
NC7	Normal Alkane C7					
ISTD	Internal Standard					
MCH	Methylcyclohexane					
113TMCP	1,1,3,-Trimethylcyclopentane					
ECP	Ethylcyclopentane					
124TMCP	1,2,4-Trimethylcyclopentane					
123TMCP	1,2,3-Trimethylcyclopentane					
TOL	Toluene					
NC8	Normal Alkane C8					
IP9	Isoprenoid C9					
EB	Ethyl-benzene					
MXYL	*m*-xylene					
PXYL	*p*-xylene					
OXYL	*o*-xylene					
NC9	Normal Alkane C9					
IP10	Isoprenoid C10					
PB	Propyl-benzene					
NC10	Normal Alkane C10	26.721	580	194		
IP11	Isoprenoid C11	28.028	1269	369		
NC11	Normal Alkane C11	32.020	6742	1471		
NC12	Normal Alkane C12	37.025	4602	1722		
IP13	Isoprenoid C13	37.727	12769	3037		
IP14	Isoprenoid C14	40.513	11451	3281		
NC13	Normal Alkane C13	41.628	38458	10185		
IP15	Isoprenoid C15	45.106	25846	7002		
NC14	Normal Alkane C14	46.003	58093	16483		

Company:	**Canada-Nunavut Geoscience Office**	**Client ID:**	**07CYA-Z043-03**
Well Name:	**07CYA**	**Project #:**	**10-477-A**
Depth:	**-**	**Lab ID:**	**ADV000003**
Sampling Point:		**File Name:**	**G6100422.D**

Peak Label	Compound Name	Ret. Time	Area	Height	ppt (Area)	ppt (Hght)
IP16	Isoprenoid C16	48.700	56781	14196		
NC15	Normal Alkane C15	50.136	107496	29262		
NC16	Normal Alkane C16	54.024	78073	22110		
IP18	Isoprenoid C18	55.973	54673	11794		
NC17	Normal Alkane C17	57.719	77673	21391		
IP19	Isoprenoid C19 (Pristane)	58.105	148877	31077		
PHEN	Phenanthrene	59.018	4207	1182		
NC18	Normal Alkane C18	61.225	56816	15506		
IP20	Isoprenoid C20 (Phytane)	61.736	275904	53229		
NC19	Normal Alkane C19	64.570	61981	16289		
NC20	Normal Alkane C20	67.753	43538	10417		
NC21	Normal Alkane C21	70.798	48155	12504		
C25HBI	Highly Branch Isoprenoid C25	71.093	3989	890		
NC22	Normal Alkane C22	73.711	40388	9624		
NC23	Normal Alkane C23	76.508	39386	9012		
NC24	Normal Alkane C24	79.195	45051	8032		
NC25	Normal Alkane C25	81.774	40186	8520		
NC26	Normal Alkane C26	84.266	48985	11386		
NC27	Normal Alkane C27	86.663	27531	6211		
NC28	Normal Alkane C28	88.955	18921	6240		
NC29	Normal Alkane C29	91.203	17592	3826		
NC30	Normal Alkane C30	93.363	11221	2635		
NC31	Normal Alkane C31	95.446	14256	3115		
NC32	Normal Alkane C32	97.462	14831	2695		
NC33	Normal Alkane C33	99.428	11193	2496		
NC34	Normal Alkane C34	101.327	10142	2233		
NC35	Normal Alkane C35	103.268	11644	2053		
NC36	Normal Alkane C36	105.402	8837	1249		
NC37	Normal Alkane C37	107.839	7780	1082		
NC38	Normal Alkane C38	110.617	6414	694		
NC39	Normal Alkane C39	113.839	16292	1615		
NC40	Normal Alkane C40					
NC41	Normal Alkane C41					

Weatherford LABORATORIES

EXTRACT GC

Company:	**Canada-Nunavut Geoscience Office**	**Client ID:**	**07CYA-Z043-04A**
Country:	**CANADA**	**Project #:**	**10-477-A**
Basin:		**Lab ID:**	**ADV000004**
Lease:		**Sample Type:**	**Core**
Block:		**Sampling Point:**	
Field:		**Formation:**	
Well Name:	**07CYA**	**Geologic Age:**	
Latitude:	**0**	**Top Depth:**	
Longitude:	**0**	**Bottom Depth:**	
Preparation:		**GC Method:**	**G02G**

Extract GC Trace **G6100423.D**

WGC parameters	
Pristane/Phytane	0.57
Pristane/*n* C_{17}	1.52
Phytane/*n* C_{18}	3.86
n C_{18}/(nC_{18}+*n* C_{19})	0.49
n C_{17}/(nC_{17}+*n* C_{29})	0.88
CPI Hunt[4]	0.92
Normal Paraffins	13.6
Isoprenoids	7.3
Cycloparaffins	
Branched (iso-) Paraffins	
BTX aromatics	
Resolved unknowns	79.0

Thompson[1]	
A.	BZ/*n* C_6
B.	TOL/*n* C_7
C.	(*n* C_6+*n* C_7)/(CH+MCH)
I.	Isoheptane Value
F.	*n* C_7/MCH
U.	CH/MCP
R.	*n* C_7/2MH
S.	*n* C_6/22DMB
H.	Heptane Value
	MCH/*n* C_7
	mpXYL/*n* C_8

Mango[2]
P_1
P_2
P_3
$5N_1$
N_2
$6N_1$
K_1
K_2
$5N_1/6N_1$
P_3/N_2
In(24DMP/23DMP)

Halpern[3]
Tr_1
Tr_2
Tr_3
Tr_4
Tr_5
Tr_7
Tr_8
C_1
C_2
C_3
C_4
C_5

[1]Thompson, K.F.M.,1983.GCA:V.47, p.303.[2]Mango, F.D.,1994.GCA: V.58, p.895. [3]Halpern,H.I.,1995,AAPG Bull.: V.79, p.801. [4]Hunt, 1979

Company:	**Canada-Nunavut Geoscience Office**	**Client ID:**	**07CYA-Z043-04A**
Well Name:	**07CYA**	**Project #:**	**10-477-A**
Depth:	**-**	**Lab ID:**	**ADV000004**
Sampling Point:		**File Name:**	**G6100423.D**

Peak Label	Compound Name	Ret. Time	Area	Height	ppt (Area)	ppt (Hght)
IC4	Iso-alkane C4					
NC4	Normal Alkane C4					
IC5	Iso-alkane C5					
NC5	Normal Alkane C5					
22DMB	2,2-Dimethylbutane					
CP	Cyclopentane					
23DMB	2,3-Dimethylbutane					
2MP	2-Methylpentane					
3MP	3-Methylpentane					
NC6	Normal Alkane C6					
22DMP	2,2-Dimethylpentane					
MCP	Methylcyclopentane					
24DMP	2,4-Dimethylpentane					
223TMB	2,2,3-Trimethylbutane					
BZ	Benzene					
33DMP	3,3-Dimethylpentane					
CH	Cyclohexane					
2MH	2-Methylhexane					
23DMP	2,3-Dimethylpentane					
11DMCP	1,1-Dimethylcyclopentane					
3MH	3-Methylhexane					
1C3DMCP	1-cis-3-Dimethylcyclopentane					
1T3DMCP	1-trans-3-Dimethylcyclopentane					
3EP	3-Ethylpentane					
1T2DMCP	1-trans-2-Dimethylcyclopentane					
NC7	Normal Alkane C7					
ISTD	Internal Standard					
MCH	Methylcyclohexane					
113TMCP	1,1,3,-Trimethylcyclopentane					
ECP	Ethylcyclopentane					
124TMCP	1,2,4-Trimethylcyclopentane					
123TMCP	1,2,3-Trimethylcyclopentane					
TOL	Toluene					
NC8	Normal Alkane C8					
IP9	Isoprenoid C9					
EB	Ethyl-benzene					
MXYL	*m*-xylene					
PXYL	*p*-xylene					
OXYL	*o*-xylene					
NC9	Normal Alkane C9					
IP10	Isoprenoid C10					
PB	Propyl-benzene					
NC10	Normal Alkane C10					
IP11	Isoprenoid C11					
NC11	Normal Alkane C11	32.023	1521	371		
NC12	Normal Alkane C12	36.984	5534	1453		
IP13	Isoprenoid C13	37.730	4141	953		
IP14	Isoprenoid C14	40.514	3736	1109		
NC13	Normal Alkane C13	41.624	18637	4442		
IP15	Isoprenoid C15	45.106	12483	3422		
NC14	Normal Alkane C14	46.004	40041	11579		

Company:	**Canada-Nunavut Geoscience Office**	**Client ID:**	**07CYA-Z043-04A**
Well Name:	**07CYA**	**Project #:**	**10-477-A**
Depth:	**-**	**Lab ID:**	**ADV000004**
Sampling Point:		**File Name:**	**G6100423.D**

Peak Label	Compound Name	Ret. Time	Area	Height	ppt (Area)	ppt (Hght)
IP16	Isoprenoid C16	48.695	32664	8320		
NC15	Normal Alkane C15	50.136	83587	23090		
NC16	Normal Alkane C16	54.027	80215	20447		
IP18	Isoprenoid C18	55.975	40347	8643		
NC17	Normal Alkane C17	57.718	70821	19301		
IP19	Isoprenoid C19 (Pristane)	58.100	107938	22596		
PHEN	Phenanthrene	59.011	3848	1192		
NC18	Normal Alkane C18	61.225	48833	13184		
IP20	Isoprenoid C20 (Phytane)	61.723	188471	36642		
NC19	Normal Alkane C19	64.565	49910	12747		
NC20	Normal Alkane C20	67.749	36523	8742		
NC21	Normal Alkane C21	70.794	37471	9825		
C25HBI	Highly Branch Isoprenoid C25	71.124	16179	2581		
NC22	Normal Alkane C22	73.711	31889	7905		
NC23	Normal Alkane C23	76.505	29652	7289		
NC24	Normal Alkane C24	79.192	30760	6279		
NC25	Normal Alkane C25	81.771	30916	6250		
NC26	Normal Alkane C26	84.258	33101	7594		
NC27	Normal Alkane C27	86.654	17466	4217		
NC28	Normal Alkane C28	88.956	11584	3830		
NC29	Normal Alkane C29	91.194	9300	2458		
NC30	Normal Alkane C30	93.354	7157	1788		
NC31	Normal Alkane C31	95.440	8949	2011		
NC32	Normal Alkane C32	97.455	9451	1614		
NC33	Normal Alkane C33	99.421	7060	1722		
NC34	Normal Alkane C34	101.321	6900	1429		
NC35	Normal Alkane C35	103.263	9098	1477		
NC36	Normal Alkane C36	105.412	9594	1026		
NC37	Normal Alkane C37	107.823	6033	790		
NC38	Normal Alkane C38	110.564	5713	506		
NC39	Normal Alkane C39	113.812	13269	1073		
NC40	Normal Alkane C40					
NC41	Normal Alkane C41					

Weatherford LABORATORIES

EXTRACT GC

Company:	**Canada-Nunavut Geoscience Office**	**Client ID:**	**07CYA-Z044-10**
Country:	**CANADA**	**Project #:**	**10-477-A**
Basin:		**Lab ID:**	**ADV000005**
Lease:		**Sample Type:**	**Core**
Block:		**Sampling Point:**	
Field:		**Formation:**	
Well Name:	**07CYA**	**Geologic Age:**	
Latitude:	**0**	**Top Depth:**	
Longitude:	**0**	**Bottom Depth:**	
Preparation:		**GC Method:**	**G02G**

Extract GC Trace **G6100424.D**

WGC parameters	
Pristane/Phytane	0.48
Pristane/*n* C_{17}	1.72
Phytane/*n* C_{18}	3.36
n C_{18}/(nC_{18}+*n* C_{19})	0.46
n C_{17}/(nC_{17}+*n* C_{29})	1.00
CPI Hunt[4]	1.19
Normal Paraffins	8.8
Isoprenoids	3.7
Cycloparaffins	
Branched (iso-) Paraffins	
BTX aromatics	
Resolved unknowns	87.4

Thompson[1]	
A.	BZ/*n* C_6
B.	TOL/*n* C_7
C.	(*n* C_6+*n* C_7)/(CH+MCH)
I.	Isoheptane Value
F.	*n* C_7/MCH
U.	CH/MCP
R.	*n* C_7/2MH
S.	*n* C_6/22DMB
H.	Heptane Value
	MCH/*n* C_7
	mpXYL/*n* C_8

Mango[2]
P_1
P_2
P_3
$5N_1$
N_2
$6N_1$
K_1
K_2
$5N_1/6N_1$
P_3/N_2
ln(24DMP/23DMP)

Halpern[3]
Tr_1
Tr_2
Tr_3
Tr_4
Tr_5
Tr_7
Tr_8
C_1
C_2
C_3
C_4
C_5

[1]Thompson, K.F.M.,1983.GCA:V.47, p.303.[2]Mango, F.D.,1994.GCA: V.58, p.895. [3]Halpern,H.I.,1995,AAPG Bull.: V.79, p.801. [4]Hunt, 1979

Company:	**Canada-Nunavut Geoscience Office**	**Client ID:**	**07CYA-Z044-10**
Well Name:	**07CYA**	**Project #:**	**10-477-A**
Depth:	**-**	**Lab ID:**	**ADV000005**
Sampling Point:		**File Name:**	**G6100424.D**

Peak Label	Compound Name	Ret. Time	Area	Height	ppt (Area)	ppt (Hght)
IC4	Iso-alkane C4					
NC4	Normal Alkane C4					
IC5	Iso-alkane C5					
NC5	Normal Alkane C5					
22DMB	2,2-Dimethylbutane					
CP	Cyclopentane					
23DMB	2,3-Dimethylbutane					
2MP	2-Methylpentane					
3MP	3-Methylpentane					
NC6	Normal Alkane C6					
22DMP	2,2-Dimethylpentane					
MCP	Methylcyclopentane					
24DMP	2,4-Dimethylpentane					
223TMB	2,2,3-Trimethylbutane					
BZ	Benzene					
33DMP	3,3-Dimethylpentane					
CH	Cyclohexane					
2MH	2-Methylhexane					
23DMP	2,3-Dimethylpentane					
11DMCP	1,1-Dimethylcyclopentane					
3MH	3-Methylhexane					
1C3DMCP	1-cis-3-Dimethylcyclopentane					
1T3DMCP	1-trans-3-Dimethylcyclopentane					
3EP	3-Ethylpentane					
1T2DMCP	1-trans-2-Dimethylcyclopentane					
NC7	Normal Alkane C7					
ISTD	Internal Standard					
MCH	Methylcyclohexane					
113TMCP	1,1,3,-Trimethylcyclopentane					
ECP	Ethylcyclopentane					
124TMCP	1,2,4-Trimethylcyclopentane					
123TMCP	1,2,3-Trimethylcyclopentane					
TOL	Toluene					
NC8	Normal Alkane C8					
IP9	Isoprenoid C9					
EB	Ethyl-benzene					
MXYL	*m*-xylene					
PXYL	*p*-xylene					
OXYL	*o*-xylene					
NC9	Normal Alkane C9	21.101	761	217		
IP10	Isoprenoid C10					
PB	Propyl-benzene					
NC10	Normal Alkane C10	26.728	3240	1090		
IP11	Isoprenoid C11	28.033	3603	966		
NC11	Normal Alkane C11	32.025	12677	3472		
NC12	Normal Alkane C12	36.983	14093	4197		
IP13	Isoprenoid C13	37.730	9267	2483		
IP14	Isoprenoid C14	40.514	5842	1763		
NC13	Normal Alkane C13	41.628	20746	5940		
IP15	Isoprenoid C15	45.105	10646	2885		
NC14	Normal Alkane C14	45.998	24658	7312		

Company:	**Canada-Nunavut Geoscience Office**	**Client ID:**	**07CYA-Z044-10**
Well Name:	**07CYA**	**Project #:**	**10-477-A**
Depth:	**-**	**Lab ID:**	**ADV000005**
Sampling Point:		**File Name:**	**G6100424.D**

Peak Label	Compound Name	Ret. Time	Area	Height	ppt (Area)	ppt (Hght)
IP16	Isoprenoid C16	48.694	25052	6569		
NC15	Normal Alkane C15	50.119	29350	8318		
NC16	Normal Alkane C16	54.012	26076	7784		
IP18	Isoprenoid C18	55.966	28869	5836		
NC17	Normal Alkane C17	57.707	30260	8470		
IP19	Isoprenoid C19 (Pristane)	58.081	51898	10140		
PHEN	Phenanthrene	59.022	5327	1385		
NC18	Normal Alkane C18	61.220	32152	8366		
IP20	Isoprenoid C20 (Phytane)	61.702	108076	20312		
NC19	Normal Alkane C19	64.563	38155	9065		
NC20	Normal Alkane C20	67.755	37697	8911		
NC21	Normal Alkane C21	70.803	32019	8744		
C25HBI	Highly Branch Isoprenoid C25	71.053	2426	546		
NC22	Normal Alkane C22	73.720	34815	9188		
NC23	Normal Alkane C23	76.518	37122	9442		
NC24	Normal Alkane C24	79.206	37863	8790		
NC25	Normal Alkane C25	81.793	53971	11152		
NC26	Normal Alkane C26	84.280	39605	8987		
NC27	Normal Alkane C27	86.687	51104	11585		
NC28	Normal Alkane C28	88.986	26467	6390		
NC29	Normal Alkane C29					
NC30	Normal Alkane C30					
NC31	Normal Alkane C31					
NC32	Normal Alkane C32					
NC33	Normal Alkane C33					
NC34	Normal Alkane C34					
NC35	Normal Alkane C35					
NC36	Normal Alkane C36					
NC37	Normal Alkane C37					
NC38	Normal Alkane C38					
NC39	Normal Alkane C39					
NC40	Normal Alkane C40					
NC41	Normal Alkane C41					

Weatherford LABORATORIES

EXTRACT GC

Company:	**Canada-Nunavut Geoscience Office**	**Client ID:**	**07CYA-Z044-12**
Country:	**CANADA**	**Project #:**	**10-477-A**
Basin:		**Lab ID:**	**ADV000006**
Lease:		**Sample Type:**	**Core**
Block:		**Sampling Point:**	
Field:		**Formation:**	
Well Name:	**07CYA**	**Geologic Age:**	
Latitude:	**0**	**Top Depth:**	
Longitude:	**0**	**Bottom Depth:**	
Preparation:		**GC Method:**	**G02G**

Extract GC Trace **G6100428.D**

WGC parameters	
Pristane/Phytane	0.75
Pristane/*n* C_{17}	0.73
Phytane/*n* C_{18}	1.41
n C_{18}/(nC_{18}+*n* C_{19})	0.49
n C_{17}/(nC_{17}+*n* C_{29})	0.90
CPI Hunt[4]	1.08
Normal Paraffins	15.4
Isoprenoids	6.3
Cycloparaffins	
Branched (iso-) Paraffins	
BTX aromatics	
Resolved unknowns	78.1

Thompson[1]	
A.	BZ/*n* C_6
B.	TOL/*n* C_7
C.	(*n* C_6+*n* C_7)/(CH+MCH)
I.	Isoheptane Value
F.	*n* C_7/MCH
U.	CH/MCP
R.	*n* C_7/2MH
S.	*n* C_6/22DMB
H.	Heptane Value
	MCH/*n* C_7
	mpXYL/*n* C_8

Mango[2]
P_1
P_2
P_3
$5N_1$
N_2
$6N_1$
K_1
K_2
$5N_1/6N_1$
P_3/N_2
In(24DMP/23DMP)

Halpern[3]
Tr_1
Tr_2
Tr_3
Tr_4
Tr_5
Tr_7
Tr_8
C_1
C_2
C_3
C_4
C_5

[1]Thompson, K.F.M.,1983.GCA:V.47, p.303.[2]Mango, F.D.,1994.GCA: V.58, p.895. [3]Halpern,H.I.,1995,AAPG Bull.: V.79, p.801. [4]Hunt, 1979

Company:	**Canada-Nunavut Geoscience Office**	**Client ID:**	**07CYA-Z044-12**
Well Name:	**07CYA**	**Project #:**	**10-477-A**
Depth:	**-**	**Lab ID:**	**ADV000006**
Sampling Point:		**File Name:**	**G6100428.D**

Peak Label	Compound Name	Ret. Time	Area	Height	ppt (Area)	ppt (Hght)
IC4	Iso-alkane C4					
NC4	Normal Alkane C4					
IC5	Iso-alkane C5					
NC5	Normal Alkane C5					
22DMB	2,2-Dimethylbutane					
CP	Cyclopentane					
23DMB	2,3-Dimethylbutane					
2MP	2-Methylpentane					
3MP	3-Methylpentane					
NC6	Normal Alkane C6					
22DMP	2,2-Dimethylpentane					
MCP	Methylcyclopentane					
24DMP	2,4-Dimethylpentane					
223TMB	2,2,3-Trimethylbutane					
BZ	Benzene					
33DMP	3,3-Dimethylpentane					
CH	Cyclohexane					
2MH	2-Methylhexane					
23DMP	2,3-Dimethylpentane					
11DMCP	1,1-Dimethylcyclopentane					
3MH	3-Methylhexane					
1C3DMCP	1-cis-3-Dimethylcyclopentane					
1T3DMCP	1-trans-3-Dimethylcyclopentane					
3EP	3-Ethylpentane					
1T2DMCP	1-trans-2-Dimethylcyclopentane					
NC7	Normal Alkane C7					
ISTD	Internal Standard					
MCH	Methylcyclohexane					
113TMCP	1,1,3,-Trimethylcyclopentane					
ECP	Ethylcyclopentane					
124TMCP	1,2,4-Trimethylcyclopentane					
123TMCP	1,2,3-Trimethylcyclopentane					
TOL	Toluene					
NC8	Normal Alkane C8					
IP9	Isoprenoid C9					
EB	Ethyl-benzene					
MXYL	*m*-xylene					
PXYL	*p*-xylene					
OXYL	*o*-xylene					
NC9	Normal Alkane C9					
IP10	Isoprenoid C10					
PB	Propyl-benzene					
NC10	Normal Alkane C10	26.720	847	226		
IP11	Isoprenoid C11	28.028	2140	603		
NC11	Normal Alkane C11	32.021	5778	1372		
NC12	Normal Alkane C12	36.979	11302	3106		
IP13	Isoprenoid C13	37.726	15554	3835		
IP14	Isoprenoid C14	40.512	14223	4035		
NC13	Normal Alkane C13	41.627	31677	8528		
IP15	Isoprenoid C15	45.104	27335	7300		
NC14	Normal Alkane C14	46.003	56455	15367		

Company:	**Canada-Nunavut Geoscience Office**	**Client ID:**	**07CYA-Z044-12**
Well Name:	**07CYA**	**Project #:**	**10-477-A**
Depth:	**-**	**Lab ID:**	**ADV000006**
Sampling Point:		**File Name:**	**G6100428.D**

Peak Label	Compound Name	Ret. Time	Area	Height	ppt (Area)	ppt (Hght)
IP16	Isoprenoid C16	48.695	52272	11999		
NC15	Normal Alkane C15	50.132	104223	26466		
NC16	Normal Alkane C16	54.025	77427	20900		
IP18	Isoprenoid C18	55.970	46215	9339		
NC17	Normal Alkane C17	57.720	89934	24370		
IP19	Isoprenoid C19 (Pristane)	58.085	65560	12584		
PHEN	Phenanthrene	58.968	7538	1265		
NC18	Normal Alkane C18	61.227	61765	16498		
IP20	Isoprenoid C20 (Phytane)	61.700	87349	16366		
NC19	Normal Alkane C19	64.568	63566	15266		
NC20	Normal Alkane C20	67.754	46839	10969		
NC21	Normal Alkane C21	70.800	36924	9970		
C25HBI	Highly Branch Isoprenoid C25	71.105	9632	2123		
NC22	Normal Alkane C22	73.713	31544	7957		
NC23	Normal Alkane C23	76.507	32685	7930		
NC24	Normal Alkane C24	79.192	27273	6171		
NC25	Normal Alkane C25	81.771	29022	6150		
NC26	Normal Alkane C26	84.253	21434	4563		
NC27	Normal Alkane C27	86.653	19922	4705		
NC28	Normal Alkane C28	88.950	21177	2540		
NC29	Normal Alkane C29	91.193	9879	2609		
NC30	Normal Alkane C30					
NC31	Normal Alkane C31					
NC32	Normal Alkane C32					
NC33	Normal Alkane C33					
NC34	Normal Alkane C34					
NC35	Normal Alkane C35					
NC36	Normal Alkane C36					
NC37	Normal Alkane C37					
NC38	Normal Alkane C38					
NC39	Normal Alkane C39					
NC40	Normal Alkane C40					
NC41	Normal Alkane C41					