Petroleum Geochemistry Data Report - Reservoir Study 7228/7-1 A, 7228/7-1 B and 7228/7-1 ST3

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Summary

This report is a data report on work performed under the Statoil project number APT2001-06. 3 drill cuttings samples, 7 side well cores and 32 core samples were included in this study. In addition, some samples that were analysed earlier in project APT2001-01, are also included in this report.

The numbers of different sample types and of analyses performed are shown below:

Analysis	Cuttings	SWC	Core Earlier+New	Total Earlier+New
Lithology Descriptions	3	7	3+32	3+42
Solvent Extraction	3	7	3+32	3+42
Asphaltene Precipitation	3	7	3+32	3+42
Iatroscan	2	4	2+20	2+26
MPLC	2	4	4+18	4+24
Carbon Isotopes	1	2	16	19
EOM GC	3	7	31	41
Saturates GC	2	4	4+18	4+24
Aromatics GC	2	4	4+18	4+24
Saturates GCMS	1	2	2+14	2+17
Aromatics GCMS	1	2	2+14	2+17

Table 1. Lithology Description

Well	Sample type	Upper Depth	Lower Depth	API No	%	Lithology	Attributes
7228/7-1 ST3	COCH	1367.38	1367.40	11309	100 %	SST	f-m
7228/7-1 ST3	COCH	1377.00	1377.05	11786	100 %	SST	f-m
7228/7-1 ST3	COCH		1386.45	11787	100 %	SST	f-m-c
7228/7-1 ST3	COCH		1394.00	11788	100 %	SST	f-m-c
7228/7-1 ST3	DC		1719.00	11789A	70 %	SST	f-m
7228/7-1 ST3	DC		1719.00	11789B	20 %	CLYST	ltgy
7228/7-1 ST3	DC		1719.00	11789C	10 %	CLYST	dkgy
7228/7-1 ST3	DC		1911.00	11790A	80 %	SST	f-m
7228/7-1 ST3	DC		1911.00	11790B	20 %	CLYST	dkgy
7228/7-1 ST3	DC		1914.00	11791A	80 %	SST	f-m
7228/7-1 ST3	DC		1914.00	11791B	20 %	CLYST	dkgy
7228/7-1 B	SWC		1381.50	11792	100 %	SLST	clayey
7228/7-1 B	SWC		2132.00	11848	100 %	CLYST	sandy
7228/7-1 B	SWC		2136.50	11849	100 %	CLYST	sandy
7228/7-1 B	SWC		2139.00	11850	100 %	SST	f-m-c, clayey
7228/7-1 B	SWC		2152.00	11851	100 %	SST	f-m, clayey
7228/7-1 B	SWC		2158.00	11793	100 %	SLST	clayey
7228/7-1 B	SWC		2165.50	11852			
7228/7-1 A	COCH	2060.33	2060.35	11020	100 %	SST	f-m gy, sl calc
7228/7-1 A	COCH		2066.50	11794	100 %	SST	f-m-c
7228/7-1 A	COCH		2071.45	11795	100 %	SST	f-m-c
7228/7-1 A	COCH		2077.30	11796	100 %	SST	f-m-c
7228/7-1 A	COCH		2082.70	11797	100 %	SST	f-m-c, clayey slt lam dkgy
7228/7-1 A	COCH		2084.75	11798	100 %	SST	f-m
7228/7-1 A	COCH		2086.50	11799	100 %	SST	f-m
7228/7-1 A	COCH		2087.00	11800	100 %	SST	f-m
7228/7-1 A	COCH		2087.30	11801	100 %	SST	f-m
7228/7-1 A	COCH		2088.95	11802	100 %	SST	f-m
7228/7-1 A	COCH		2088.95	11803	100 %	SST	f-m
7228/7-1 A	COCH		2090.90	11804	100 %	SST	f-m-c
7228/7-1 A	COCH		2091.30	11805	100 %	SST	f-m-c
7228/7-1 A	COCH		2092.80	11806	100 %	SST	f-m-c
7228/7-1 A	COCH	2093.52	2093.54	11021	100 %	SST	m, gr-gy
7228/7-1 A	COCH		2093.80	11807	100 %	SST	f-m-c
7228/7-1 A	COCH		2095.00	11808	100 %	SST	f-m-c
7228/7-1 A	COCH		2096.00	11809	100 %	SST	f-m-c
7228/7-1 A	COCH		2097.00	11810	100 %	SST	f-m-c
7228/7-1 A	COCH		2098.30	11811	100 %	SST	f-m
7228/7-1 A	COCH		2099.30	11812	100 %	SST	f-m
7228/7-1 A	COCH		2100.95	11813	100 %	SST	f-m, clayey slt lam
7228/7-1 A	COCH		2101.25	11814	100 %	SST	f-m-c
7228/7-1 A	COCH		2101.90	11815	100 %	SST	f-m
7228/7-1 A	COCH		2102.25	11816	100 %	SST	f-m
7228/7-1 A	COCH		2102.50	11817	100 %	SST	f-m, slty-clayey dkgy
7228/7-1 A	COCH	2833.00	2833.02	11024A	100%	SST	slt-f gy, calc
7228/7-1 A	COCH	2833.00	2833.02	11024B	trace	COAL	lam

Well	Sample type	Upper Depth	Lower Depth	APT ID	%	Lithology	Annotations
7228/7-1 A	COCH		2835.25	11818	100 %	CLYST	slty dkgy-ltgy
7228/7-1 A	COCH		2846.25	11819	100 %	SST	c-m-f
7228/7-1 A	COCH		2853.15	11820	100 %	SST	c-m-f
7228/7-1 A	COCH		2858.70	11821	100 %	SST	f-m, clayey dkgy-ltgy

Table 2. GC of saturated compounds (parameters)

Well	Sample type	Upper Depth	Lower Depth	APT ID	Pr/n-C17	Ph/n-C18	(Pr/n-C17)/(Ph/n-C18)	Pr/Ph	n-C17/(n-C17+C27)
7228/7-1 ST3	COCH	1367.38	1367.40	11309	0.53	0.63	0.85	0.75	1.00
7228/7-1 ST3	DC		1719	11789	0.55	0.32	1.72	1.92	0.88
7228/7-1 ST3	DC		1911	11790	0.61	0.25	2.42	3.37	0.88
7228/7-1 B	SWC	1381.50	1381.50	11792	0.82	0.51	1.61	1.57	0.75
7228/7-1 B	SWC	2139.00	2139	11850	0.46	0.30	1.54	1.35	0.67
7228/7-1 B	SWC	2152.00	2152	11851	0.65	0.39	1.67	1.68	0.69
7228/7-1 B	SWC	2165.50	2165.50	11852	0.39	0.26	1.49	1.50	0.76
7228/7-1 A	COCH	2060.33	2060.35	11020	0.46	0.31	1.50	1.54	0.72
7228/7-1 A	COCH	2066.50	2066.50	11794	0.46	0.31	1.50	1.46	0.71
7228/7-1 A	COCH	2071.45	2071.45	11795	0.47	0.30	1.53	1.46	0.69
7228/7-1 A	COCH	2082.70	2082.70	11797	0.43	0.29	1.48	1.53	0.75
7228/7-1 A	COCH	2086.50	2086.50	11799	0.46	0.31	1.51	1.54	0.74
7228/7-1 A	COCH	2087.00	2087	11800	0.47	0.49	0.96	0.82	1.00
7228/7-1 A	COCH	2087.30	2087.30	11801	0.45	0.30	1.52	1.54	0.73
7228/7-1 A	COCH	2088.95	2088.95	11802	0.45	0.30	1.50	1.53	0.74
7228/7-1 A	COCH	2088.95	2088.95	11803	0.45	0.29	1.55	1.57	0.74
7228/7-1 A	COCH	2091.30	2091.30	11805	0.43	0.29	1.50	1.54	0.74
7228/7-1 A	COCH	2093.52	2093.54	11021	0.45	0.30	1.49	1.59	0.73
7228/7-1 A	COCH	2093.80	2093.80	11807	0.43	0.30	1.44	1.45	0.75
7228/7-1 A	COCH	2095.00	2095	11808	0.42	0.32	1.34	1.35	0.76
7228/7-1 A	COCH	2096.00	2096	11809	0.46	0.32	1.44	1.41	0.74
7228/7-1 A	COCH	2097.00	2097	11810	0.46	0.36	1.29	1.24	0.76
7228/7-1 A	COCH	2098.30	2098.30	11811	0.46	0.30	1.54	1.54	0.73
7228/7-1 A	COCH	2099.30	2099.30	11812	0.45	0.30	1.49	1.51	0.73
7228/7-1 A	COCH	2101.25	2101.25	11814	0.43	0.29	1.49	1.50	0.74
7228/7-1 A	COCH	2102.25	2102.25	11816	0.43	0.29	1.47	1.49	0.73
7228/7-1 A	COCH	2102.50	2102.50	11817	0.43	0.27	1.57	1.54	0.73
7228/7-1 A	COCH	2833.00	2833.02	11024	0.50	0.57	0.87	0.67	1.00

Table 3. GCMS SIR of saturated compounds (parameters)

Well	Sample Type	Upper Depth	Lower Depth	API ID	%23/3	%28αβ	%30D	%27Ts	%22S	%29Ts	%20S	%ββ	%27dβS	%C27	%C29
7228/7-1 ST3	COCH	1367.38	1367.40	11309	61.84	9.63	7.95	72.48	55.23	28.84	53.39	56.82	69.32	49.86	28.11
7228/7-1 ST3	DC		1719	11789	4.51	5.20	4.91	11.11	59.74	9.19	53.75	44.91	49.18	26.04	52.41
7228/7-1 B	SWC	2139.00	2139	11850	20.98	3.88	10.23	33.65	59.67	16.95	53.41	52.32	62.55	32.26	43.06
7228/7-1 B	SWC	2165.50	2165.50	11852	40.24	9.31	11.89	51.77	60.97	26.28	59.45	52.57	51.85	35.39	40.92
7228/7-1 A	COCH	2066.50	2066.50	11794	38.80	5.76	10.60	47.66	58.80	19.29	54.81	53.79	66.53	39.78	37.10
7228/7-1 A	COCH	2071.45	2071.45	11795	24.49	3.66	11.64	33.11	58.24	17.03	55.50	51.51	64.01	32.11	45.71
7228/7-1 A	COCH	2082.70	2082.70	11797	22.83	4.24	11.68	31.79	58.98	17.33	50.78	47.49	62.97	30.36	46.33
7228/7-1 A	COCH	2086.50	2086.50	11799	23.80	4.80	11.14	34.75	59.24	16.93	50.47	50.45	65.75	30.57	44.89
7228/7-1 A	COCH	2087.30	2087.30	11801	21.97	3.87	12.10	32.39	60.43	16.54	53.41	50.19	68.00	29.60	46.95
7228/7-1 A	COCH	2088.95	2088.95	11802	21.39	3.53	11.42	32.21	59.57	15.98	49.82	48.77	69.15	30.03	46.53
7228/7-1 A	COCH	2088.95	2088.95	11803	21.18	4.56	11.79	32.45	59.07	15.92	51.05	48.24	71.44	29.27	46.68
7228/7-1 A	COCH	2093.80	2093.80	11807	20.82	3.94	11.78	33.71	59.61	16.05	50.58	48.21	70.23	29.72	46.55
7228/7-1 A	COCH	2097.00	2097	11810	59.10	9.02	7.67	71.37	59.75	26.62	60.02	59.76	71.56	48.49	27.99
7228/7-1 A	COCH	2098.30	2098.30	11811	21.72	4.38	11.41	31.99	60.18	15.96	49.63	48.72	69.75	29.80	45.71
7228/7-1 A	COCH	2099.30	2099.30	11812	21.84	4.57	11.56	32.68	59.74	15.82	51.75	47.81	69.36	30.32	46.60
7228/7-1 A	COCH	2101.25	2101.25	11814	22.60	3.87	11.99	32.13	59.82	16.97	51.02	48.22	70.64	29.23	46.61
7228/7-1 A	COCH	2102.25	2102.25	11816	28.23	4.43	11.68	40.44	59.10	17.98	51.04	50.60	70.77	34.81	41.21
7228/7-1 A	COCH	2102.50	2102.50	11817	23.16	4.30	11.87	33.75	59.93	16.43	51.30	48.22	69.24	31.00	44.87
7228/7-1 A	COCH	2833.00	2833.02	11024	63.51	10.76	6.84	75.08	58.56	28.29	60.68	61.01	72.69	48.93	27.82

%23/3 '23/3'/('23/3'+30αβ)*100
%28αβ 28αβ/(28αβ+30αβ)*100
%30D 30D/(30D+30αβ)*100
%28Ts 27Ts/(27Ts/27Tm)*100
%22S (32αβS/(32αβS+32αβR)*100
%29Ts (29Ts/29Ts+30αβ)*100
%20S (29ααS/29ααS+29ααR)*100
%ββ (29ββ(R+S)/(29ββ(R+S)+29αα(R+S)*100
%27dβS 27dβS/(27dβS+27αα(R+S))*100
%C27 (27ββ(R+S)/(27ββ(R+S)+28ββ(R+S)+29ββ(R+S))*100
%C29 (29ββ(R+S)/(27ββ(R+S)+28ββ(R+S)+29ββ(R+S))*100

Table 4. GCMS SIR of aromatic compounds (parameters)

Well	Sample Type	Upper Depth	Lower Depth	AR4D	AROM2	Crack1	Crack2	MA2	MA3	MA4	MA5	MA6	MA7	MA8	MA9
7228/7-1 ST3	COCH	1367.38	1367.40	11309	0.338	0.593	0.286	0.313	2.775	0.367	1.603	2.537	0.707	0.122	1.136
7228/7-1 ST3	DC		1719	11789	0.735	0.350	0.211	0.312	2.044	0.433	1.859	4.516	0.442	0.085	3.118
7228/7-1 B	SWC	2139.00	2139	11850	0.752	0.646	0.389	0.329	4.260	0.435	1.144	3.433	0.868	0.100	6.613
7228/7-1 B	SWC	2165.50	2165.50	11852	0.975	0.862	0.581		4.312	0.357	1.369	4.904	0.769	0.089	32.479
7228/7-1 A	COCH	2066.50	2066.50	11794	0.768	0.762	0.526	0.402	5.073	0.427	1.197	4.338	0.834	0.104	7.337
7228/7-1 A	COCH	2071.45	2071.45	11795	0.794	0.740	0.501	0.415	4.601	0.430	1.275	5.166	0.770	0.105	7.525
7228/7-1 A	COCH	2082.70	2082.70	11797	0.900	0.828	0.619	0.520	4.672	0.436	1.825	7.451	0.689	0.102	10.314
7228/7-1 A	COCH	2086.50	2086.50	11799	0.749	0.698	0.445	0.381	4.883	0.440	1.208	5.236	0.801	0.109	6.496
7228/7-1 A	COCH	2087.30	2087.30	11801	0.723	0.642	0.393	0.372	4.710	0.448	1.387	6.445	0.812	0.111	6.021
7228/7-1 A	COCH	2088.95	2088.95	11802	0.714	0.626	0.377	0.349	4.623	0.456	1.393	6.162	0.845	0.111	5.760
7228/7-1 A	COCH	2088.95	2088.95	11803	0.713	0.592	0.354	0.337	4.635	0.447	1.420	6.451	0.818	0.110	5.810
7228/7-1 A	COCH	2093.80	2093.80	11807	0.731	0.613	0.372	0.328	4.678	0.449	1.475	6.019	0.834	0.109	6.393
7228/7-1 A	COCH	2097.00	2097	11810	0.769	0.675	0.420	0.406	5.704	0.436	1.380	6.027	0.819	0.106	6.520
7228/7-1 A	COCH	2098.30	2098.30	11811	0.731	0.621	0.374	0.349	4.738	0.452	1.488	6.625	0.837	0.108	5.963
7228/7-1 A	COCH	2099.30	2099.30	11812	0.738	0.617	0.365	0.364	4.855	0.454	1.497	6.434	0.841	0.107	6.083
7228/7-1 A	COCH	2101.25	2101.25	11814	0.775	0.665	0.420	0.377	4.856	0.443	1.783	7.627	0.770	0.100	7.465
7228/7-1 A	COCH	2102.25	2102.25	11816	0.720	0.588	0.349	0.334	4.734	0.441	1.498	6.395	0.908	0.102	5.909
7228/7-1 A	COCH	2102.50	2102.50	11817	0.742	0.636	0.390	0.348	4.723	0.442	1.640	6.253	0.853	0.098	6.746
7228/7-1 A	COCH	2833.00	2833.02	11024	0.818	1.000	1.000		9.303	0.459	1.327	3.947	1.107	0.038	60.087

AROM2 ($C_{20}TA+C_{21}TA+SC_{26}TA+RC_{26}TA+SC_{27}TA+SC_{28}TA+RC_{27}TA+RC_{28}TA/(C_{20}TA+C_{21}TA+SC_{26}TA+RC_{26}TA+SC_{27}TA+SC_{28}TA+RC_{27}TA+RC_{28}TA+C_{21}MA+C_{22}MA+\beta SC_{27}MA+\beta RC_{27}MA+\beta RC_{27}DMA+\alpha SC_{27}MA+\beta SC_{28}MA+\beta SC_{28}DMA+\alpha RC_{27}DMA+\alpha SC_{27}DMA+\alpha RC_{27}MA+\alpha SC_{28}MA+\alpha SC_{29}MA+\alpha RC_{29}MA)$

Crack1: $(C_{20}TA)/(C_{20}TA+RC_{28}TA)$

Crack2: $(C_{20}TA+C_{21}TA)/(C_{20}TA+C_{21}TA+SC_{26}TA+RC_{26}TA+SC_{27}TA+SC_{28}TA+RC_{27}TA+RC_{28}TA)$

MA2: $(C_{21}MA+C_{22}MA)/(C_{21}MA+C_{22}MA+\beta SC_{27}MA+\beta RC_{27}MA+\beta RC_{27}DMA+\alpha SC_{27}MA+\beta SC_{28}MA+\beta SC_{28}DMA+\alpha RC_{27}DMA+\alpha SC_{27}DMA+\alpha RC_{27}MA+\alpha SC_{28}MA+\alpha SC_{29}MA+\alpha RC_{29}MA)$

MA3: 4-MDBT/1-MDBT

MA4: (2-MP+3-MP)/(1-MP+2-MP+3-MP+9-MP)

MA5: 2-MN/1-MN

MA6: (2,6-DMN+2,7-DMN)/1,5-DMN

MA7: 4-MDBT/DBT

MA8: DBT/P

MA9: 3-MP/Retene

Table 5. Extraction, Asphaltene precipitation and Iatroscan data

Well	Sample Type	Upper Depth	Lower Depth	APT ID	Rock Wt (g)	TOM (mg)	EOM (mg/kg Rock)	SAT (mg/kg Rock)	ARO (mg/kg Rock)	POL (mg/kg Rock)	ASP (mg/kg Rock)	SAT (wt% of EOM)	ARO (wt% of EOM)	POL (wt% of EOM)	ASP (wt% of EOM)	HC (wt% of EOM)
7228/7-1 ST3	COCH	1367.38	1367.40	11309	12.510	30	2398	1831	16	320	232	76.3	0.7	13.3	9.7	77.0
7228/7-1 ST3	COCH	1377.00	1377.05	11786	14.310	26	1817				797				43.8	
7228/7-1 ST3	COCH		1386.45	11787	12.330	8	649				292				45.0	
7228/7-1 ST3	COCH		1394.00	11788	15.130	22	1454				152				10.5	
7228/7-1 ST3	DC		1719.00	11789	16.030	48	2994	234	35	2563	162	7.8	1.2	85.6	5.4	9.0
7228/7-1 ST3	DC		1911.00	11790	16.620	45	2708	90	31	2496	90	3.3	1.2	92.2	3.3	4.5
7228/7-1 ST3	DC		1914.00	11791	15.610	29	1858				115				6.2	
7228/7-1 B	SWC		1381.50	11792	15.900	74	4654	87	6	4171	390	1.9	0.1	89.6	8.4	2.0
7228/7-1 B	SWC		2132.00	11848	8.950	80	8939				1162				13.0	
7228/7-1 B	SWC		2136.50	11849	10.210	116	11361				1469				12.9	
7228/7-1 B	SWC		2139.00	11850	7.940	121	15239	9746	697	3574	1222	64.0	4.6	23.5	8.0	68.5
7228/7-1 B	SWC		2152.00	11851	5.070	59	11637	327	0	10600	710	2.8	0.0	91.1	6.1	2.8
7228/7-1 B	SWC		2158.00	11793	11.480	79	6882				357				5.2	
7228/7-1 B	SWC		2165.50	11852	9.860	118	11968	3876	661	6813	619	32.4	5.5	56.9	5.2	37.9
7228/7-1 A	COCH	2060.33	2060.35	11020	14.640	53	3620	1275	50	553	1742	35.2	1.4	15.3	48.1	36.6
7228/7-1 A	COCH		2066.50	11794	14.750	44	2983	1075	71	1470	366	36.0	2.4	49.3	12.3	38.4
7228/7-1 A	COCH		2071.45	11795	16.830	41	2436	1223	83	982	149	50.2	3.4	40.3	6.1	53.6
7228/7-1 A	COCH		2077.30	11796	16.460	30	1823				425				23.3	
7228/7-1 A	COCH		2082.70	11797	15.480	84	5426	3192	786	964	484	58.8	14.5	17.8	8.9	73.3
7228/7-1 A	COCH		2084.75	11798	15.340	67	4368				326				7.5	
7228/7-1 A	COCH		2086.50	11799	14.900	45	3020	1599	112	973	336	52.9	3.7	32.2	11.1	56.7
7228/7-1 A	COCH		2087.00	11800	15.500	262	16903	15906	3	168	826	94.1	0.0	1.0	4.9	94.1
7228/7-1 A	COCH		2087.30	11801	15.110	100	6618	5564	377	466	212	84.1	5.7	7.0	3.2	89.8
7228/7-1 A	COCH		2088.95	11802	15.080	207	13727	12163	738	481	345	88.6	5.4	3.5	2.5	94.0
7228/7-1 A	COCH		2088.95	11803	13.440	128	9524	8886	459	0	179	93.3	4.8	0.0	1.9	98.1
7228/7-1 A	COCH		2090.90	11804	15.190	6	395				145				36.7	
7228/7-1 A	COCH		2091.30	11805	14.400	157	10903	9579	502	460	361	87.9	4.6	4.2	3.3	92.5
7228/7-1 A	COCH		2092.80	11806	14.150	137	9682				226				2.3	

Well	Sample type	Upper Depth	Lower Depth	APT ID	Rock weight (g)	EOM (mg)	EOM (mg/kg Rock)	SAT (mg/kg Rock)	ARO (mg/kg Rock)	POL (mg/kg Rock)	ASP (mg/kg Rock)	SAT (wt% of EOM)	ARO (wt% of EOM)	POL (wt% of EOM)	ASP (wt% of EOM)	HC (wt% of EOM)
7228/7-1 A	COCH	2093.52	2093.54	11021	21.820	342	15674	12811	1459	803	600	81.7	9.3	5.1	3.8	91.0
7228/7-1 A	COCH		2093.80	11807	14.760	196	13279	11543	761	0	976	86.9	5.7	0.0	7.3	92.7
7228/7-1 A	COCH		2095.00	11808	14.940	359	24029	23110	544	0	375	96.2	2.3	0.0	1.6	98.4
7228/7-1 A	COCH		2096.00	11809	14.610	295	20192	18976	477	0	739	94.0	2.4	0.0	3.7	96.3
7228/7-1 A	COCH		2097.00	11810	15.140	97	6407	6101	52	168	86	95.2	0.8	2.6	1.3	96.0
7228/7-1 A	COCH		2098.30	11811	14.340	82	5718	4752	325	467	174	83.1	5.7	8.2	3.0	88.8
7228/7-1 A	COCH		2099.30	11812	14.610	104	7118	6336	440	172	171	89.0	6.2	2.4	2.4	95.2
7228/7-1 A	COCH		2100.95	11813	14.930	75	5023				362				7.2	
7228/7-1 A	COCH		2101.25	11814	15.360	67	4362	3756	232	172	202	86.1	5.3	3.9	4.6	91.4
7228/7-1 A	COCH		2101.90	11815	14.540	70	4814				89				1.9	
7228/7-1 A	COCH		2102.25	11816	16.260	86	5289	4402	254	80	554	83.2	4.8	1.5	10.5	88.0
7228/7-1 A	COCH		2102.50	11817	14.770	81	5484	4704	265	265	251	85.8	4.8	4.8	4.6	90.6
7228/7-1 A	COCH	2833.00	2833.02	11024	8.733	92	10535	10042	11	126	355	95.3	0.1	1.2	3.4	95.4
7228/7-1 A	COCH		2835.25	11818	16.030	8	499				125				25.0	
7228/7-1 A	COCH		2846.25	11819	12.410	29	2337				177				7.6	
7228/7-1 A	COCH		2853.15	11820	16.370	40	2443				116				4.8	
7228/7-1 A	COCH		2858.70	11821	14.110	3	213				113				53.3	

Table 6. GC of saturated compounds (peak area)

Well	Sample Type	Upper Depth	Lower Depth	API No	nC10	nC11	nC12	nC13	nC14	nC15	nC16	nC17	nC18	nC19	nC20	nC21	nC22
7228/7-1 ST3	COCH	1367.38	1367.40	11309	3.05e2	8.12e2	1.24e3	2.48e2	2.73e2	2.33e3	9.82e2	7.29e3	4.13e3	1.48e4	2.22e4	9.01e3	2.36e4
7228/7-1 ST3	DC		1719.00	11789	6.88e3	7.06e3	1.51e4	3.59e3	4.85e3	4.18e4	1.31e4	8.60e4	3.85e4	1.36e5	1.54e5	5.79e4	1.54e5
7228/7-1 ST3	DC		1911.00	11790	7.08e3	5.93e3	5.78e3	1.12e3	1.02e3	7.11e3	2.02e3	1.11e4	6.27e3	1.59e4	1.45e4	6.72e3	1.47e4
7228/7-1 B	SWC		1381.50	11792	8.37e3	6.42e2	1.60e3	7.62e2	7.52e2	2.88e3	8.97e2	2.76e3	1.38e3	2.22e3	2.37e3	1.80e3	3.28e3
7228/7-1 B	SWC		2139.00	11850	4.06e2	7.47e2	1.47e3	4.69e2	3.49e2	2.39e3	4.48e3	3.67e4	3.84e4	1.79e5	3.43e5	1.39e5	4.72e5
7228/7-1 B	SWC		2152.00	11851	1.91e3	1.75e3	1.75e3	3.74e2	3.20e2	1.52e3	4.77e2	1.90e3	1.31e3	4.49e3	5.95e3	2.53e3	6.04e3
7228/7-1 B	SWC		2165.50	11852	1.59e3	2.32e3	4.54e3	1.17e3	2.50e3	2.77e4	9.41e3	6.87e4	2.85e4	1.09e5	1.25e5	4.03e4	1.33e5
7228/7-1 A	COCH	2060.33	2060.35	11020	0.00e0	3.69e2	4.85e3	1.59e3	3.14e3	2.66e4	8.54e3	5.66e4	2.30e4	8.53e4	9.53e4	3.31e4	1.00e5
7228/7-1 A	COCH		2066.50	11794	2.59e2	2.37e2	1.75e3	7.56e2	1.96e3	1.77e4	8.76e3	5.64e4	2.98e4	1.03e5	1.34e5	4.98e4	1.52e5
7228/7-1 A	COCH		2071.45	11795	2.66e3	3.72e3	9.64e3	3.04e3	6.29e3	4.86e4	1.77e4	1.13e5	4.91e4	1.71e5	2.06e5	7.40e4	2.27e5
7228/7-1 A	COCH		2082.70	11797	1.90e4	4.65e4	1.65e5	3.66e4	3.87e4	3.13e5	6.32e4	4.03e5	1.38e5	4.71e5	4.80e5	1.46e5	4.74e5
7228/7-1 A	COCH		2086.50	11799	1.05e3	1.17e3	1.46e4	5.39e3	1.25e4	9.97e4	3.58e4	2.19e5	9.23e4	3.07e5	3.33e5	1.15e5	3.42e5
7228/7-1 A	COCH		2087.00	11800	6.11e3	8.14e3	2.39e4	6.19e3	7.56e3	5.63e4	1.25e4	7.37e4	2.74e4	8.96e4	1.05e5	4.42e4	1.26e5
7228/7-1 A	COCH		2087.30	11801	2.70e3	6.80e3	1.09e5	3.10e4	4.38e4	3.32e5	8.56e4	5.38e5	2.05e5	7.07e5	7.64e5	2.60e5	7.76e5
7228/7-1 A	COCH		2088.95	11802	2.05e3	2.77e4	1.48e5	3.90e4	4.86e4	3.58e5	9.22e4	5.70e5	2.09e5	7.68e5	8.41e5	2.79e5	8.71e5
7228/7-1 A	COCH		2088.95	11803	3.37e3	7.91e3	1.25e5	3.61e4	5.34e4	4.18e5	1.14e5	7.11e5	2.70e5	9.60e5	1.06e6	3.64e5	1.10e6
7228/7-1 A	COCH		2091.30	11805	5.38e3	1.13e4	9.09e4	2.55e4	3.57e4	2.70e5	7.19e4	4.59e5	1.77e5	6.22e5	6.76e5	2.24e5	6.88e5
7228/7-1 A	COCH	2093.52	2093.54	11021	6.98e3	2.80e4	6.14e4	1.42e4	1.34e4	9.70e4	2.12e4	1.33e5	4.68e4	1.64e5	1.66e5	5.49e4	1.65e5
7228/7-1 A	COCH		2093.80	11807	2.28e3	1.93e4	1.27e5	3.42e4	4.45e4	3.46e5	9.27e4	5.90e5	2.43e5	8.52e5	9.95e5	3.28e5	1.03e6
7228/7-1 A	COCH		2095.00	11808	2.34e3	3.54e4	1.60e5	4.06e4	4.42e4	3.19e5	7.37e4	4.51e5	1.70e5	5.78e5	6.31e5	2.11e5	6.49e5
7228/7-1 A	COCH		2096.00	11809	5.02e3	7.74e3	3.54e4	9.94e3	1.40e4	1.07e5	3.20e4	2.07e5	8.83e4	3.19e5	3.81e5	1.34e5	4.09e5
7228/7-1 A	COCH		2097.00	11810	5.47e2	5.03e3	3.79e4	1.09e4	1.49e4	1.12e5	3.05e4	1.84e5	7.35e4	2.50e5	2.77e5	9.64e4	2.90e5
7228/7-1 A	COCH		2098.30	11811	1.00e3	1.49e4	1.54e5	4.42e4	5.91e4	4.31e5	1.14e5	6.71e5	2.68e5	8.84e5	9.76e5	3.44e5	1.02e6
7228/7-1 A	COCH		2099.30	11812	3.02e3	2.13e4	1.68e5	4.36e4	5.37e4	4.17e5	1.02e5	6.36e5	2.43e5	8.25e5	8.91e5	3.01e5	9.06e5
7228/7-1 A	COCH		2101.25	11814	8.58e3	1.64e4	1.20e5	3.12e4	4.65e4	3.77e5	1.01e5	6.36e5	2.49e5	8.58e5	9.39e5	3.14e5	9.65e5
7228/7-1 A	COCH		2102.25	11816	2.69e3	6.04e3	8.68e4	2.42e4	3.84e4	3.02e5	8.57e4	5.47e5	2.22e5	7.83e5	8.91e5	2.96e5	9.24e5
7228/7-1 A	COCH		2102.50	11817	2.18e3	9.07e3	5.60e4	1.50e4	2.31e4	1.79e5	5.57e4	3.63e5	1.59e5	5.85e5	7.18e5	2.56e5	7.97e5
7228/7-1 A	COCH	2833.00	2833.02	11024	5.00e2	4.58e2	8.86e2	2.09e2	1.92e2	1.77e3	3.99e2	2.79e3	1.41e3	6.41e3	1.10e4	5.03e3	1.43e4

Table 6. continued, GC of saturated compounds (peak area)

Well	Sampletype	Upper Depth	Lower Depth	APT ID	Pr	n-C18	Ph	n-C19	n-C20	n-C21	n-C22	n-C23	n-C24	n-C25	n-C26	n-C27	n-C28
7228/7-1 ST3	COCH	1367.38	1367.40	11309	1.26e4	2.65e4	1.66e4	2.78e4	3.14e4	2.42e4	1.80e4	1.12e4	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0
7228/7-1 ST3	DC		1719.00	11789	8.50e4	1.38e5	4.42e4	1.07e5	8.24e4	5.83e4	4.25e4	3.82e4	2.62e4	2.85e4	1.80e4	2.14e4	1.38e4
7228/7-1 ST3	DC		1911.00	11790	8.95e3	1.06e4	2.66e3	8.33e3	7.09e3	5.36e3	5.16e3	6.01e3	3.10e3	3.16e3	2.20e3	2.09e3	1.60e3
7228/7-1 B	SWC		1381.50	11792	2.69e3	3.35e3	1.71e3	2.59e3	2.78e3	2.08e3	1.89e3	4.27e3	1.45e3	1.87e3	1.12e3	1.08e3	9.65e2
7228/7-1 B	SWC		2139.00	11850	2.18e5	5.41e5	1.62e5	5.53e5	5.46e5	5.04e5	4.54e5	4.13e5	3.59e5	3.29e5	2.54e5	2.32e5	1.63e5
7228/7-1 B	SWC		2152.00	11851	3.90e3	6.01e3	2.32e3	5.67e3	5.85e3	4.60e3	4.21e3	6.07e3	3.41e3	3.28e3	2.60e3	2.66e3	1.96e3
7228/7-1 B	SWC		2165.50	11852	5.20e4	1.32e5	3.48e4	1.27e5	1.21e5	1.07e5	9.48e4	8.43e4	6.90e4	6.09e4	4.87e4	4.18e4	2.98e4
7228/7-1 A	COCH	2060.33	2060.35	11020	4.61e4	9.73e4	2.99e4	8.89e4	7.94e4	6.68e4	5.80e4	5.18e4	4.64e4	4.72e4	4.04e4	3.89e4	2.86e4
7228/7-1 A	COCH		2066.50	11794	6.97e4	1.56e5	4.78e4	1.55e5	1.51e5	1.34e5	1.20e5	1.08e5	9.22e4	8.42e4	6.58e4	6.23e4	4.32e4
7228/7-1 A	COCH		2071.45	11795	1.06e5	2.39e5	7.27e4	2.36e5	2.29e5	2.08e5	1.91e5	1.75e5	1.51e5	1.39e5	1.11e5	1.03e5	7.23e4
7228/7-1 A	COCH		2082.70	11797	2.04e5	4.61e5	1.33e5	4.31e5	4.02e5	3.55e5	3.16e5	2.85e5	2.44e5	2.17e5	1.69e5	1.58e5	1.10e5
7228/7-1 A	COCH		2086.50	11799	1.59e5	3.35e5	1.03e5	3.13e5	2.95e5	2.57e5	2.31e5	2.10e5	1.82e5	1.66e5	1.30e5	1.22e5	8.65e4
7228/7-1 A	COCH		2087.00	11800	5.90e4	1.48e5	7.18e4	1.79e5	2.30e5	1.98e5	1.22e5	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0
7228/7-1 A	COCH		2087.30	11801	3.48e5	7.66e5	2.26e5	7.32e5	6.98e5	6.22e5	5.60e5	4.99e5	4.42e5	3.96e5	3.11e5	2.84e5	1.97e5
7228/7-1 A	COCH		2088.95	11802	3.88e5	8.57e5	2.54e5	8.23e5	7.83e5	6.87e5	6.10e5	5.50e5	4.87e5	4.33e5	3.28e5	2.99e5	2.09e5
7228/7-1 A	COCH		2088.95	11803	4.95e5	1.08e6	3.16e5	1.06e6	9.79e5	8.67e5	7.72e5	6.94e5	6.26e5	5.37e5	4.24e5	3.93e5	2.74e5
7228/7-1 A	COCH		2091.30	11805	2.99e5	6.72e5	1.95e5	6.53e5	6.29e5	5.58e5	5.03e5	4.60e5	3.93e5	3.41e5	2.62e5	2.45e5	1.74e5
7228/7-1 A	COCH	2093.52	2093.54	11021	7.41e4	1.55e5	4.67e4	1.43e5	1.27e5	1.08e5	9.50e4	8.63e4	7.85e4	7.88e4	6.66e4	6.18e4	4.38e4
7228/7-1 A	COCH		2093.80	11807	4.44e5	1.02e6	3.05e5	1.01e6	9.36e5	8.35e5	7.46e5	6.70e5	5.77e5	5.15e5	3.95e5	3.52e5	2.34e5
7228/7-1 A	COCH		2095.00	11808	2.75e5	6.46e5	2.04e5	6.45e5	6.42e5	5.71e5	5.30e5	4.14e5	3.40e5	3.07e5	2.07e5	2.08e5	1.41e5
7228/7-1 A	COCH		2096.00	11809	1.87e5	4.19e5	1.33e5	4.18e5	4.29e5	3.72e5	3.46e5	2.75e5	2.30e5	2.16e5	1.36e5	1.43e5	9.96e4
7228/7-1 A	COCH		2097.00	11810	1.33e5	3.01e5	1.07e5	3.10e5	3.32e5	2.89e5	2.19e5	1.86e5	1.38e5	1.43e5	7.57e4	9.23e4	6.10e4
7228/7-1 A	COCH		2098.30	11811	4.66e5	1.01e6	3.02e5	1.01e6	9.41e5	8.40e5	7.51e5	6.75e5	5.99e5	5.15e5	4.02e5	3.67e5	2.47e5
7228/7-1 A	COCH		2099.30	11812	4.04e5	8.93e5	2.67e5	8.60e5	8.14e5	7.18e5	6.38e5	5.76e5	5.20e5	4.55e5	3.54e5	3.35e5	2.36e5
7228/7-1 A	COCH		2101.25	11814	4.13e5	9.59e5	2.75e5	9.47e5	8.83e5	7.89e5	7.04e5	6.34e5	5.64e5	4.86e5	3.79e5	3.43e5	2.35e5
7228/7-1 A	COCH		2102.25	11816	3.98e5	9.16e5	2.68e5	9.18e5	8.57e5	7.65e5	6.80e5	6.06e5	5.41e5	4.62e5	3.69e5	3.36e5	2.32e5
7228/7-1 A	COCH		2102.50	11817	3.43e5	8.14e5	2.23e5	8.00e5	7.61e5	6.85e5	6.10e5	5.41e5	4.71e5	4.20e5	3.24e5	2.88e5	1.99e5
7228/7-1 A	COCH	2833.00	2833.02	11024	7.16e3	1.88e4	1.08e4	2.41e4	3.24e4	2.70e4	2.07e4	9.59e3	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0

Table 6. continued, GC of saturated compounds (peak area)

Well	Sample Type	Depth	Depth	Run ID	nC15	nC16	nC17	nC18	nC19	nC20	nC21	nC22
7228/7-1 ST3	COCH	1367.38	1367.40	11309	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0
7228/7-1 ST3	DC		1719.00	11789	1.37e4	8.36e3	9.15e3	3.78e3	3.47e3	1.61e3	6.76e2	2.18e2
7228/7-1 ST3	DC		1911.00	11790	1.84e3	9.61e2	1.34e3	3.76e2	3.74e2	0.00e0	0.00e0	0.00e0
7228/7-1 B	SWC		1381.50	11792	9.14e2	5.44e2	1.23e3	1.86e2	5.20e2	0.00e0	0.00e0	0.00e0
7228/7-1 B	SWC		2139.00	11850	1.32e5	9.00e4	6.75e4	3.86e4	3.22e4	2.87e4	1.31e4	8.61e3
7228/7-1 B	SWC		2152.00	11851	2.03e3	1.40e3	2.11e3	7.99e2	8.36e2	4.17e2	0.00e0	2.00e-1
7228/7-1 B	SWC		2165.50	11852	2.36e4	1.65e4	1.19e4	6.97e3	5.47e3	4.53e3	1.94e3	1.31e3
7228/7-1 A	COCH	2060.33	2060.35	11020	2.61e4	1.93e4	1.50e4	9.54e3	8.86e3	8.58e3	5.05e3	2.88e3
7228/7-1 A	COCH		2066.50	11794	3.55e4	2.56e4	1.93e4	1.14e4	8.84e3	7.27e3	3.71e3	2.15e3
7228/7-1 A	COCH		2071.45	11795	6.05e4	4.26e4	3.25e4	1.99e4	1.49e4	1.28e4	6.30e3	3.90e3
7228/7-1 A	COCH		2082.70	11797	8.86e4	6.31e4	4.74e4	2.89e4	2.14e4	1.82e4	9.92e3	6.17e3
7228/7-1 A	COCH		2086.50	11799	7.22e4	5.06e4	3.83e4	2.33e4	1.95e4	1.60e4	8.14e3	5.10e3
7228/7-1 A	COCH		2087.00	11800	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0
7228/7-1 A	COCH		2087.30	11801	1.62e5	1.07e5	8.08e4	4.76e4	3.75e4	3.11e4	1.59e4	9.80e3
7228/7-1 A	COCH		2088.95	11802	1.63e5	1.12e5	8.12e4	4.73e4	3.44e4	2.93e4	1.55e4	1.05e4
7228/7-1 A	COCH		2088.95	11803	2.24e5	1.53e5	1.14e5	6.81e4	4.85e4	3.78e4	2.01e4	1.30e4
7228/7-1 A	COCH		2091.30	11805	1.40e5	9.55e4	7.13e4	4.15e4	3.13e4	2.85e4	1.38e4	9.53e3
7228/7-1 A	COCH	2093.52	2093.54	11021	3.92e4	2.81e4	2.19e4	1.44e4	1.32e4	1.40e4	7.57e3	4.80e3
7228/7-1 A	COCH		2093.80	11807	1.84e5	1.20e5	8.66e4	4.95e4	3.25e4	3.03e4	1.43e4	8.72e3
7228/7-1 A	COCH		2095.00	11808	1.11e5	7.68e4	5.85e4	3.30e4	2.37e4	1.96e4	1.02e4	6.72e3
7228/7-1 A	COCH		2096.00	11809	7.53e4	5.28e4	4.04e4	2.27e4	1.89e4	1.87e4	8.18e3	5.12e3
7228/7-1 A	COCH		2097.00	11810	5.44e4	4.08e4	3.09e4	1.85e4	1.47e4	1.28e4	7.07e3	4.61e3
7228/7-1 A	COCH		2098.30	11811	2.01e5	1.34e5	9.66e4	5.72e4	4.25e4	3.46e4	1.78e4	1.01e4
7228/7-1 A	COCH		2099.30	11812	1.92e5	1.31e5	9.85e4	5.85e4	4.17e4	3.31e4	1.84e4	1.20e4
7228/7-1 A	COCH		2101.25	11814	1.90e5	1.26e5	9.23e4	5.41e4	3.64e4	3.00e4	1.58e4	1.02e4
7228/7-1 A	COCH		2102.25	11816	1.90e5	1.25e5	9.14e4	5.40e4	3.75e4	3.21e4	1.67e4	1.11e4
7228/7-1 A	COCH		2102.50	11817	1.60e5	1.06e5	7.71e4	4.50e4	3.18e4	2.86e4	1.36e4	9.18e3
7228/7-1 A	COCH	2833.00	2833.02	11024	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0

Table 7. GC of saturated compounds (amounts in ng/g)

Well	Sample Type	Entered Depth	Lower Depth	APPID	nC10	nC11	nC12	nC13	nC14	nC15	nC16	nC17	nC18	nC19	nC20
7228/7-1 ST3	COCH	1367.38	1367.40	11309	9.21e3	2.45e4	3.75e4	7.48e3	8.24e3	7.02e4	2.97e4	2.20e5	1.25e5	4.48e5	6.71e5	2.72e5	7.12e5
7228/7-1 ST3	DC		1719.00	11789	4.58e4	4.70e4	1.01e5	2.39e4	3.23e4	2.78e5	8.72e4	5.72e5	2.56e5	9.08e5	1.03e6	3.86e5	1.03e6
7228/7-1 ST3	DC		1911.00	11790	4.76e4	3.99e4	3.89e4	7.56e3	6.83e3	4.78e4	1.36e4	7.46e4	4.22e4	1.07e5	9.74e4	4.52e4	9.88e4
7228/7-1 B	SWC		1381.50	11792	6.71e4	5.14e3	1.28e4	6.11e3	6.03e3	2.31e4	7.19e3	2.21e4	1.11e4	1.78e4	1.90e4	1.44e4	2.63e4
7228/7-1 B	SWC		2139.00	11850	3.06e3	5.63e3	1.11e4	3.54e3	2.63e3	1.80e4	3.38e4	2.76e5	2.90e5	1.35e6	2.58e6	1.05e6	3.56e6
7228/7-1 B	SWC		2152.00	11851	1.69e4	1.54e4	1.55e4	3.31e3	2.83e3	1.34e4	4.22e3	1.68e4	1.16e4	3.97e4	5.27e4	2.24e4	5.34e4
7228/7-1 B	SWC		2165.50	11852	1.65e4	2.40e4	4.70e4	1.21e4	2.59e4	2.87e5	9.75e4	7.12e5	2.95e5	1.13e6	1.29e6	4.17e5	1.38e6
7228/7-1 A	COCH	2060.33	2060.35	11020	0.00e0	2.04e4	2.68e5	8.81e4	1.73e5	1.47e6	4 72e5	3.13e6	1.27e6	4.71e6	5.26e6	1.83e6	5.52e6
7228/7-1 A	COCH		2066.50	11794	2.47e3	2.26e3	1.67e4	7.21e3	1.87e4	1.69e5	8.36e4	5.39e5	2.84e5	9.87e5	1.28e6	4.75e5	1.45e6
7228/7-1 A	COCH		2071.45	11795	2.65e4	3.70e4	9.59e4	3.03e4	6.25e4	4.84e5	1.76e5	1.12e6	4.88e5	1.70e6	2.05e6	7.36e5	2.26e6
7228/7-1 A	COCH		2082.70	11797	1.78e5	4.34e5	1.54e6	3.42e5	3.62e5	2.93e6	5.90e5	3.77e6	1.29e6	4.40e6	4.48e6	1.37e6	4.43e6
7228/7-1 A	COCH		2086.50	11799	1.02e4	1.14e4	1.42e5	5.26e4	1.22e5	9.74e5	3.50e5	2.14e6	9.03e5	3.00e6	3.25e6	1.12e6	3.34e6
7228/7-1 A	COCH		2087.00	11800	5.89e4	7.85e4	2.31e5	5.97e4	7.30e4	5.43e5	1.21e5	7.11e5	2.64e5	8.65e5	1.01e6	4.27e5	1.21e6
7228/7-1 A	COCH		2087.30	11801	2.94e4	7.40e4	1.19e6	3.37e5	4.76e5	3.61e6	9.32e5	5.85e6	2.24e6	7.69e6	8.32e6	2.83e6	8.45e6
7228/7-1 A	COCH		2088.95	11802	2.41e4	3.25e5	1.74e6	4.58e5	5.71e5	4.21e6	1.08e6	6.70e6	2.46e6	9.03e6	9.88e6	3.28e6	1.02e7
7228/7-1 A	COCH		2088.95	11803	2.90e4	6.82e4	1.07e6	3.11e5	4.60e5	3.60e6	9.82e5	6.13e6	2.33e6	8.28e6	9.18e6	3.14e6	9.44e6
7228/7-1 A	COCH		2091.30	11805	5.91e4	1.25e5	9.99e5	2.80e5	3.92e5	2.97e6	7.90e5	5.04e6	1.95e6	6.83e6	7.42e6	2.46e6	7.56e6
7228/7-1 A	COCH	2093.52	2093.54	11021	5.99e5	2.40e6	5.27e6	1.22e6	1.15e6	8.33e6	1.82e6	1.14e7	4.02e6	1.41e7	1.43e7	4.71e6	1.42e7
7228/7-1 A	COCH		2093.80	11807	2.75e4	2.32e5	1.53e6	4.12e5	5.36e5	4.16e6	1.12e6	7.10e6	2.93e6	1.03e7	1.20e7	3.95e6	1.24e7
7228/7-1 A	COCH		2095.00	11808	2.45e4	3.71e5	1.67e6	4.26e5	4.64e5	3.35e6	7.74e5	4.73e6	1.79e6	6.07e6	6.62e6	2.21e6	6.81e6
7228/7-1 A	COCH		2096.00	11809	7.54e4	1.16e5	5.32e5	1.49e5	2.10e5	1.60e6	4.81e5	3.11e6	1.33e6	4.79e6	5.72e6	2.01e6	6.13e6
7228/7-1 A	COCH		2097.00	11810	5.84e3	5.37e4	4.05e5	1.17e5	1.59e5	1.19e6	3.26e5	1.96e6	7.85e5	2.66e6	2.96e6	1.03e6	3.09e6
7228/7-1 A	COCH		2098.30	11811	8.57e3	1.28e5	1.32e6	3.79e5	5.07e5	3.69e6	9.74e5	5.76e6	2.30e6	7.58e6	8.37e6	2.95e6	8.71e6
7228/7-1 A	COCH		2099.30	11812	2.78e4	1.96e5	1.54e6	4.01e5	4.94e5	3.83e6	9.35e5	5.85e6	2.23e6	7.59e6	8.20e6	2.77e6	8.33e6
7228/7-1 A	COCH		2101.25	11814	8.15e4	1.56e5	1.14e6	2.96e5	4.41e5	3.57e6	9.58e5	6.04e6	2.37e6	8.14e6	8.92e6	2.98e6	9.16e6
7228/7-1 A	COCH		2102.25	11816	2.79e4	6.28e4	9.03e5	2.52e5	3.99e5	3.14e6	8.91e5	5.69e6	2.31e6	8.14e6	9.27e6	3.07e6	9.61e6
7228/7-1 A	COCH		2102.50	11817	2.52e4	1.05e5	6.49e5	1.74e5	2.67e5	2.08e6	6.45e5	4.20e6	1.85e6	6.77e6	8.30e6	2.97e6	9.23e6
7228/7-1 A	COCH	2833.00	2833.02	11024	5.18e4	4.75e4	9.18e4	2.16e4	1.99e4	1.83e5	4.13e4	2.89e5	1.46e5	6.63e5	1.14e6	5.21e5	1.48e6

Table 7. continued, GC of saturated compounds (amounts in ng/g)

Well	Sample Type	Orig. Depth	Depth	APT ID	Pr	n-C15	Ph	n-C19	n-C20	n-C21	n-C22	n-C23	n-C24	n-C25	n-C26	n-C27	n-C28
7228/7-1 ST3	COCH	1367.38	1367.40	11309	3.80e5	8.00e5	5.03e5	8.39e5	9.48e5	7.31e5	5.44e5	3.39e5	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0
7228/7-1 ST3	DC		1719.00	11789	5.66e5	9.19e5	2.94e5	7.14e5	5.48e5	3.88e5	2.83e5	2.54e5	1.75e5	1.90e5	1.20e5	1.43e5	9.17e4
7228/7-1 ST3	DC		1911.00	11790	6.03e4	7.11e4	1.79e4	5.60e4	4.77e4	3.61e4	3.48e4	4.05e4	2.09e4	2.13e4	1.48e4	1.41e4	1.08e4
7228/7-1 B	SWC		1381.50	11792	2.16e4	2.69e4	1.37e4	2.08e4	2.23e4	1.67e4	1.51e4	3.42e4	1.17e4	1.50e4	8.97e3	8.66e3	7.74e3
7228/7-1 B	SWC		2139.00	11850	1.64e6	4.07e6	1.22e6	4.17e6	4.12e6	3.80e6	3.42e6	3.11e6	2.71e6	2.48e6	1.91e6	1.75e6	1.23e6
7228/7-1 B	SWC		2152.00	11851	3.46e4	5.32e4	2.05e4	5.02e4	5.18e4	4.07e4	3.72e4	5.37e4	3.02e4	2.90e4	2.30e4	2.35e4	1.73e4
7228/7-1 B	SWC		2165.50	11852	5.39e5	1.37e6	3.61e5	1.32e6	1.26e6	1.10e6	9.82e5	8.73e5	7.14e5	6.30e5	5.04e5	4.33e5	3.09e5
7228/7-1 A	COCH	2060.33	2060.35	11020	2.55e6	5.37e6	1.65e6	4.91e6	4.39e6	3.69e6	3.21e6	2.86e6	2.56e6	2.61e6	2.23e6	2.15e6	1.58e6
7228/7-1 A	COCH		2066.50	11794	6.65e5	1.49e6	4.56e5	1.48e6	1.44e6	1.28e6	1.15e6	1.04e6	8.80e5	8.03e5	6.28e5	5.94e5	4.13e5
7228/7-1 A	COCH		2071.45	11795	1.06e6	2.38e6	7.23e5	2.35e6	2.28e6	2.07e6	1.90e6	1.74e6	1.51e6	1.39e6	1.11e6	1.02e6	7.19e5
7228/7-1 A	COCH		2082.70	11797	1.90e6	4.31e6	1.25e6	4.03e6	3.76e6	3.32e6	2.96e6	2.66e6	2.28e6	2.03e6	1.58e6	1.47e6	1.03e6
7228/7-1 A	COCH		2086.50	11799	1.55e6	3.27e6	1.01e6	3.06e6	2.88e6	2.51e6	2.26e6	2.06e6	1.78e6	1.62e6	1.27e6	1.19e6	8.46e5
7228/7-1 A	COCH		2087.00	11800	5.70e5	1.42e6	6.93e5	1.72e6	2.22e6	1.91e6	1.18e6	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0
7228/7-1 A	COCH		2087.30	11801	3.78e6	8.34e6	2.46e6	7.97e6	7.59e6	6.77e6	6.09e6	5.43e6	4.81e6	4.31e6	3.39e6	3.09e6	2.14e6
7228/7-1 A	COCH		2088.95	11802	4.56e6	1.01e7	2.98e6	9.67e6	9.21e6	8.07e6	7.17e6	6.47e6	5.72e6	5.09e6	3.86e6	3.51e6	2.45e6
7228/7-1 A	COCH		2088.95	11803	4.27e6	9.33e6	2.73e6	9.18e6	8.44e6	7.48e6	6.65e6	5.98e6	5.40e6	4.63e6	3.66e6	3.39e6	2.36e6
7228/7-1 A	COCH		2091.30	11805	3.29e6	7.38e6	2.14e6	7.17e6	6.91e6	6.13e6	5.53e6	5.05e6	4.32e6	3.74e6	2.88e6	2.69e6	1.91e6
7228/7-1 A	COCH	2093.52	2093.54	11021	6.36e6	1.33e7	4.01e6	1.22e7	1.09e7	9.23e6	8.15e6	7.41e6	6.74e6	6.76e6	5.71e6	5.31e6	3.76e6
7228/7-1 A	COCH		2093.80	11807	5.35e6	1.23e7	3.68e6	1.22e7	1.13e7	1.00e7	8.97e6	8.06e6	6.95e6	6.20e6	4.75e6	4.23e6	2.81e6
7228/7-1 A	COCH		2095.00	11808	2.89e6	6.77e6	2.15e6	6.77e6	6.74e6	5.99e6	5.56e6	4.34e6	3.56e6	3.22e6	2.18e6	2.18e6	1.48e6
7228/7-1 A	COCH		2096.00	11809	2.81e6	6.29e6	2.00e6	6.28e6	6.44e6	5.58e6	5.19e6	4.12e6	3.45e6	3.24e6	2.05e6	2.14e6	1.49e6
7228/7-1 A	COCH		2097.00	11810	1.42e6	3.21e6	1.14e6	3.30e6	3.55e6	3.09e6	2.33e6	1.99e6	1.47e6	1.53e6	8.08e5	9.85e5	6.51e5
7228/7-1 A	COCH		2098.30	11811	3.99e6	8.68e6	2.59e6	8.67e6	8.07e6	7.21e6	6.44e6	5.79e6	5.13e6	4.42e6	3.45e6	3.15e6	2.12e6
7228/7-1 A	COCH		2099.30	11812	3.72e6	8.21e6	2.46e6	7.91e6	7.49e6	6.60e6	5.87e6	5.30e6	4.78e6	4.19e6	3.25e6	3.08e6	2.18e6
7228/7-1 A	COCH		2101.25	11814	3.92e6	9.11e6	2.61e6	8.99e6	8.38e6	7.49e6	6.69e6	6.02e6	5.36e6	4.62e6	3.60e6	3.25e6	2.23e6
7228/7-1 A	COCH		2102.25	11816	4.14e6	9.53e6	2.78e6	9.55e6	8.92e6	7.96e6	7.07e6	6.30e6	5.62e6	4.81e6	3.84e6	3.50e6	2.41e6
7228/7-1 A	COCH		2102.50	11817	3.97e6	9.42e6	2.58e6	9.26e6	8.80e6	7.93e6	7.06e6	6.26e6	5.45e6	4.86e6	3.75e6	3.33e6	2.31e6
7228/7-1 A	COCH	2833.00	2833.02	11024	7.41e5	1.94e6	1.11e6	2.49e6	3.35e6	2.80e6	2.14e6	9.92e5	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0

Table 7. continued, GC of saturated compounds (amounts in ng/g)

Well	Sample Type	Depth (m)	Depth (m)	Lab ID	nC-29	nC-30	nC-31	nC-32	nC-33	nC-34	nC-35	nC-36
7228/7-1 ST3	COCH	1367.38	1367.40	11309	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0
7228/7-1 ST3	DC		1719.00	11789	9.13e4	5.57e4	6.09e4	2.52e4	2.31e4	1.07e4	4.50e3	1.45e3
7228/7-1 ST3	DC		1911.00	11790	1.24e4	6.46e3	9.03e3	2.53e3	2.52e3	0.00e0	0.00e0	0.00e0
7228/7-1 B	SWC		1381.50	11792	7.33e3	4.36e3	9.84e3	1.49e3	4.17e3	0.00e0	0.00e0	0.00e0
7228/7-1 B	SWC		2139.00	11850	9.93e5	6.79e5	5.08e5	2.91e5	2.43e5	2.16e5	9.89e4	6.49e4
7228/7-1 B	SWC		2152.00	11851	1.80e4	1.23e4	1.86e4	7.07e3	7.39e3	3.69e3	0.00e0	1.77e0
7228/7-1 B	SWC		2165.50	11852	2.45e5	1.71e5	1.23e5	7.22e4	5.67e4	4.69e4	2.01e4	1.36e4
7228/7-1 A	COCH	2060.33	2060.35	11020	1.44e6	1.06e6	8.30e5	5.27e5	4.89e5	4.74e5	2.79e5	1.59e5
7228/7-1 A	COCH		2066.50	11794	3.38e5	2.45e5	1.84e5	1.09e5	8.43e4	6.94e4	3.54e4	2.05e4
7228/7-1 A	COCH		2071.45	11795	6.02e5	4.23e5	3.24e5	1.98e5	1.48e5	1.28e5	6.27e4	3.88e4
7228/7-1 A	COCH		2082.70	11797	8.28e5	5.90e5	4.43e5	2.70e5	2.00e5	1.70e5	9.28e4	5.77e4
7228/7-1 A	COCH		2086.50	11799	7.06e5	4.94e5	3.75e5	2.28e5	1.91e5	1.56e5	7.95e4	4.98e4
7228/7-1 A	COCH		2087.00	11800	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0
7228/7-1 A	COCH		2087.30	11801	1.76e6	1.17e6	8.80e5	5.18e5	4.08e5	3.39e5	1.73e5	1.07e5
7228/7-1 A	COCH		2088.95	11802	1.91e6	1.31e6	9.54e5	5.56e5	4.04e5	3.45e5	1.82e5	1.24e5
7228/7-1 A	COCH		2088.95	11803	1.93e6	1.32e6	9.80e5	5.87e5	4.18e5	3.26e5	1.73e5	1.12e5
7228/7-1 A	COCH		2091.30	11805	1.54e6	1.05e6	7.84e5	4.56e5	3.43e5	3.13e5	1.52e5	1.05e5
7228/7-1 A	COCH	2093.52	2093.54	11021	3.36e6	2.41e6	1.88e6	1.23e6	1.13e6	1.20e6	6.50e5	4.12e5
7228/7-1 A	COCH		2093.80	11807	2.22e6	1.45e6	1.04e6	5.96e5	3.91e5	3.64e5	1.73e5	1.05e5
7228/7-1 A	COCH		2095.00	11808	1.17e6	8.05e5	6.13e5	3.46e5	2.48e5	2.06e5	1.07e5	7.05e4
7228/7-1 A	COCH		2096.00	11809	1.13e6	7.92e5	6.07e5	3.41e5	2.84e5	2.80e5	1.23e5	7.68e4
7228/7-1 A	COCH		2097.00	11810	5.81e5	4.35e5	3.30e5	1.97e5	1.56e5	1.37e5	7.54e4	4.92e4
7228/7-1 A	COCH		2098.30	11811	1.72e6	1.15e6	8.29e5	4.91e5	3.65e5	2.97e5	1.52e5	8.70e4
7228/7-1 A	COCH		2099.30	11812	1.77e6	1.21e6	9.06e5	5.38e5	3.84e5	3.05e5	1.69e5	1.10e5
7228/7-1 A	COCH		2101.25	11814	1.80e6	1.20e6	8.76e5	5.14e5	3.45e5	2.85e5	1.50e5	9.67e4
7228/7-1 A	COCH		2102.25	11816	1.97e6	1.30e6	9.51e5	5.61e5	3.90e5	3.34e5	1.74e5	1.15e5
7228/7-1 A	COCH		2102.50	11817	1.85e6	1.22e6	8.92e5	5.20e5	3.69e5	3.31e5	1.58e5	1.06e5
7228/7-1 A	COCH	2833.00	2833.02	11024	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0

Table 8. GC of aromatic compounds (peak area)

Well	Sample Type	Depth Depth	Depth Depth	GR ID	2,6-DMN	1,7-DMN	P	3-MP	2-MP	9-MP	1-MP
7228/7-1 ST3	COCH	1367.38	1367.40	11309	19375	14116	5588	1692	1905	4213	2052
7228/7-1 ST3	DC		1719.00	11789	40322	23483	17304	6195	8026	9640	6243
7228/7-1 ST3	DC		1911.00	11790	23846	12029	22951	10753	13615	10393	7440
7228/7-1 B	SWC		1381.50	11792	3607	2740	2882	961	971	1534	958
7228/7-1 B	SWC		2139.00	11850	3601	3111	22536	14159	17654	20521	17606
7228/7-1 B	SWC		2152.00	11851	4561	2699	2482	1115	1388	2014	1241
7228/7-1 B	SWC		2165.50	11852	32274	25570	19672	6496	8320	15564	11333
7228/7-1 A	COCH	2060.33	2060.35	11020	11938	10944	9601	6986	7357	10998	9401
7228/7-1 A	COCH		2066.50	11794	7164	6515	10624	5944	7537	10319	8131
7228/7-1 A	COCH		2071.45	11795	20826	18175	20110	10983	15315	17265	14916
7228/7-1 A	COCH		2082.70	11797	247332	166628	85121	38412	50895	66503	43229
7228/7-1 A	COCH		2086.50	11799	15889	14702	16152	11109	12100	15104	12839
7228/7-1 A	COCH		2087.00	11800	7989	7474	2538	1578	1915	2381	1918
7228/7-1 A	COCH		2087.30	11801	46425	41968	24902	17165	24429	23281	22293
7228/7-1 A	COCH		2088.95	11802	36924	33678	19397	14145	21095	18992	17889
7228/7-1 A	COCH		2088.95	11803	45830	41186	28777	19641	28243	26269	23794
7228/7-1 A	COCH		2091.30	11805	23594	21898	15455	10462	14909	15646	13655
7228/7-1 A	COCH	2093.52	2093.54	11021	46970	38069	10835	8404	11973	12507	12067
7228/7-1 A	COCH		2093.80	11807	69125	56038	41995	28020	40782	38023	34698
7228/7-1 A	COCH		2095.00	11808	44391	40647	20294	13753	14048	18718	17634
7228/7-1 A	COCH		2096.00	11809	12048	11166	13533	8718	10689	11764	11640
7228/7-1 A	COCH		2097.00	11810	21078	18373	8723	5617	7348	8598	7772
7228/7-1 A	COCH		2098.30	11811	82919	69257	32487	21668	33358	31104	29031
7228/7-1 A	COCH		2099.30	11812	69376	56977	26866	18589	25517	23919	23360
7228/7-1 A	COCH		2101.25	11814	161940	111731	52937	27025	39046	40712	33361
7228/7-1 A	COCH		2102.25	11816	55655	48109	36459	26145	37637	35877	34402
7228/7-1 A	COCH		2102.50	11817	92445	65952	48222	29793	35189	42887	42178
7228/7-1 A	COCH	2833.00	2833.02	11024	3071	3419	883	685	882	1513	980

Table 9. GCMS SIR of saturated compounds (peak height)

m/e					177		191										
Well	Sample Type	Upper Depth	Lower Depth	20 Tri	25nor28Ts	25nor30Ab	20S	21S	23S	24S	25R	25S	24A	26R	26S	28R	28S
7228/7-1 ST3	COCH	1367.38	1367.40	11309	1.06e6	5.41e5	2.68e6	4.40e6	1.92e7	9.72e6	4.48e6	3.90e6	1.63e7	2.95e6	2.85e6	2.03e6	1.82e6
7228/7-1 ST3	DC		1719.00	11789	0.00e0	0.00e0	5.20e4	4.89e4	6.53e4	1.19e5	2.03e4	1.95e4	1.11e5	2.21e4	1.58e4	1.63e4	1.39e4
7228/7-1 B	SWC		2139.00	11850	0.00e0	0.00e0	2.83e5	4.82e5	8.20e5	7.39e5	2.40e5	2.48e5	2.81e5	2.64e5	2.38e5	2.43e5	2.36e5
7228/7-1 B	SWC		2165.50	11852	0.00e0	0.00e0	1.30e5	2.30e5	3.22e5	3.58e5	7.77e4	8.08e4	7.88e4	8.16e4	7.91e4	8.12e4	7.87e4
7228/7-1 A	COCH		2066.50	11794	0.00e0	0.00e0	1.62e5	2.86e5	7.22e5	6.27e5	1.73e5	1.71e5	3.09e5	1.42e5	1.33e5	1.05e5	1.12e5
7228/7-1 A	COCH		2071.45	11795	0.00e0	0.00e0	1.81e5	3.13e5	5.06e5	5.11e5	1.28e5	1.38e5	1.41e5	1.52e5	1.41e5	1.53e5	1.48e5
7228/7-1 A	COCH		2082.70	11797	0.00e0	0.00e0	4.14e5	6.75e5	9.53e5	7.84e5	2.35e5	2.59e5	2.84e5	2.67e5	2.38e5	2.61e5	2.56e5
7228/7-1 A	COCH		2086.50	11799	0.00e0	0.00e0	2.53e5	4.26e5	7.07e5	6.63e5	1.86e5	1.95e5	2.21e5	2.06e5	1.88e5	1.95e5	2.00e5
7228/7-1 A	COCH		2087.30	11801	0.00e0	0.00e0	4.87e5	8.40e5	1.33e6	1.18e6	3.82e5	4.06e5	3.84e5	4.30e5	4.12e5	4.44e5	4.39e5
7228/7-1 A	COCH		2088.95	11802	0.00e0	0.00e0	5.37e5	9.19e5	1.48e6	1.31e6	4.02e5	4.13e5	3.95e5	4.74e5	4.33e5	5.00e5	4.74e5
7228/7-1 A	COCH		2088.95	11803	0.00e0	0.00e0	3.66e5	6.23e5	9.57e5	8.00e5	2.91e5	3.14e5	2.72e5	3.52e5	3.07e5	3.52e5	3.51e5
7228/7-1 A	COCH		2093.80	11807	0.00e0	0.00e0	3.91e5	6.74e5	1.02e6	8.44e5	3.13e5	3.42e5	2.99e5	3.75e5	3.41e5	3.71e5	3.76e5
7228/7-1 A	COCH		2097.00	11810	0.00e0	0.00e0	6.69e5	1.48e6	5.39e6	3.25e6	1.16e6	1.14e6	3.05e6	7.63e5	7.68e5	4.79e5	4.46e5
7228/7-1 A	COCH		2098.30	11811	0.00e0	0.00e0	3.55e5	6.07e5	9.37e5	7.77e5	2.78e5	3.00e5	2.67e5	3.26e5	3.07e5	3.31e5	3.36e5
7228/7-1 A	COCH		2099.30	11812	0.00e0	0.00e0	2.50e5	4.30e5	6.79e5	5.77e5	2.02e5	2.23e5	1.88e5	2.31e5	2.19e5	2.36e5	2.44e5
7228/7-1 A	COCH		2101.25	11814	0.00e0	0.00e0	2.99e5	5.22e5	7.91e5	6.69e5	2.32e5	2.48e5	2.23e5	2.78e5	2.72e5	2.89e5	2.81e5
7228/7-1 A	COCH		2102.25	11816	0.00e0	0.00e0	5.11e5	9.24e5	1.83e6	1.33e6	4.84e5	5.00e5	6.86e5	5.23e5	4.75e5	4.98e5	4.89e5
7228/7-1 A	COCH		2102.50	11817	0.00e0	0.00e0	3.73e5	6.93e5	1.09e6	8.75e5	3.26e5	3.36e5	3.34e5	3.74e5	3.60e5	3.85e5	3.87e5
7228/7-1 A	COCH	2833.00	2833.02	11024	9.04e5	0.00e0	2.63e6	5.68e6	2.28e7	1.20e7	5.08e6	4.62e6	1.29e7	3.02e6	2.91e6	1.82e6	1.64e6

Table 9. continued, GCMS SIR of saturated compounds (peak height)

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Well	Sample type	Upper Depth	Lower Depth	APT ID	29/3R	29/3S	27Ts	27Tm	30/3R	30/3S	28ab	25nor30ab	29ab	29Ts	30d	29ba	30O
7228/7-1 ST3	COCH	1367.38	1367.40	11309	1.61e6	1.58e6	1.22e7	4.63e6	9.11e5	1.18e6	1.27e6	7.69e5	1.43e7	4.81e6	1.03e6	1.48e6	0.00e0
7228/7-1 ST3	DC		1719.00	11789	0.00e0	0.00e0	9.37e4	7.50e5	0.00e0	0.00e0	7.58e4	0.00e0	1.26e6	1.40e5	7.13e4	1.82e5	0.00e0
7228/7-1 B	SWC		2139.00	11850	2.42e5	2.34e5	4.92e5	9.71e5	1.69e5	2.32e5	1.25e5	0.00e0	2.69e6	6.30e5	3.52e5	4.07e5	0.00e0
7228/7-1 B	SWC		2165.50	11852	6.25e4	6.00e4	1.95e5	1.82e5	5.24e4	1.03e5	4.91e4	0.00e0	4.98e5	1.71e5	6.46e4	8.95e4	0.00e0
7228/7-1 A	COCH		2066.50	11794	1.09e5	1.01e5	3.12e5	3.43e5	6.70e4	1.20e5	6.97e4	0.00e0	1.05e6	2.72e5	1.35e5	1.61e5	0.00e0
7228/7-1 A	COCH		2071.45	11795	1.34e5	1.31e5	2.37e5	4.78e5	9.08e4	1.43e5	5.93e4	0.00e0	1.30e6	3.21e5	2.06e5	2.26e5	0.00e0
7228/7-1 A	COCH		2082.70	11797	2.23e5	2.24e5	5.27e5	1.13e6	1.63e5	2.05e5	1.43e5	0.00e0	2.65e6	6.75e5	4.26e5	4.81e5	0.00e0
7228/7-1 A	COCH		2086.50	11799	1.96e5	1.76e5	3.52e5	6.62e5	1.34e5	1.77e5	1.14e5	0.00e0	1.77e6	4.61e5	2.84e5	3.11e5	0.00e0
7228/7-1 A	COCH		2087.30	11801	4.04e5	3.83e5	6.95e5	1.45e6	2.97e5	3.47e5	1.90e5	0.00e0	3.84e6	9.36e5	6.50e5	6.93e5	0.00e0
7228/7-1 A	COCH		2088.95	11802	4.38e5	4.29e5	7.37e5	1.55e6	2.98e5	3.60e5	2.00e5	0.00e0	4.27e6	1.04e6	7.03e5	7.62e5	0.00e0
7228/7-1 A	COCH		2088.95	11803	3.22e5	3.13e5	4.95e5	1.03e6	2.25e5	2.36e5	1.70e5	0.00e0	2.91e6	6.74e5	4.76e5	5.12e5	0.00e0
7228/7-1 A	COCH		2093.80	11807	3.56e5	3.25e5	5.63e5	1.11e6	2.47e5	2.53e5	1.59e5	0.00e0	3.07e6	7.38e5	5.16e5	5.63e5	0.00e0
7228/7-1 A	COCH		2097.00	11810	4.46e5	4.37e5	2.58e6	1.03e6	2.69e5	3.28e5	3.70e5	0.00e0	4.86e6	1.35e6	3.10e5	4.40e5	0.00e0
7228/7-1 A	COCH		2098.30	11811	3.16e5	2.85e5	4.76e5	1.01e6	2.24e5	2.27e5	1.55e5	0.00e0	2.68e6	6.41e5	4.35e5	4.85e5	0.00e0
7228/7-1 A	COCH		2099.30	11812	2.22e5	2.07e5	3.49e5	7.19e5	1.64e5	1.70e5	1.16e5	0.00e0	1.96e6	4.56e5	3.17e5	3.58e5	0.00e0
7228/7-1 A	COCH		2101.25	11814	2.54e5	2.41e5	3.97e5	8.39e5	1.83e5	2.01e5	1.09e5	0.00e0	2.20e6	5.54e5	3.69e5	3.99e5	0.00e0
7228/7-1 A	COCH		2102.25	11816	4.61e5	4.24e5	9.53e5	1.40e6	3.29e5	3.39e5	2.16e5	0.00e0	3.97e6	1.02e6	6.16e5	6.76e5	0.00e0
7228/7-1 A	COCH		2102.50	11817	3.64e5	3.41e5	5.60e5	1.10e6	2.45e5	2.68e5	1.62e5	0.00e0	2.88e6	7.08e5	4.85e5	5.32e5	0.00e0
7228/7-1 A	COCH	2833.00	2833.02	11024	1.61e6	1.54e6	1.02e7	3.40e6	1.05e6	1.00e6	1.58e6	0.00e0	1.82e7	5.17e6	9.63e5	1.39e6	0.00e0

Table 9. continued, GCMS SIR of saturated compounds (peak height)

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Well	Sample Type	Upper Depth	Lower Depth	Archive ID	30αβ	30βα	31αβS	31αβR	30G	32αβS	32αβR	33αβS	33αβR	34αβS	34αβR	35αβS	35αβR
7228/7-1 ST3	COCH	1367.38	1367.40	11309	1.19e7	1.32e6	4.65e6	3.53e6	5.03e5	2.11e6	1.71e6	1.16e6	8.70e5	6.42e5	5.03e5	5.89e5	4.93e5
7228/7-1 ST3	DC		1719.00	11789	1.38e6	2.62e5	6.45e5	4.46e5	6.64e4	3.41e5	2.30e5	1.45e5	9.01e4	1.05e5	7.79e4	1.31e5	9.55e4
7228/7-1 B	SWC		2139.00	11850	3.09e6	6.51e5	1.31e6	9.51e5	1.85e5	8.00e5	5.41e5	4.10e5	2.71e5	2.43e5	1.80e5	1.52e5	9.95e4
7228/7-1 B	SWC		2165.50	11852	4.79e5	9.12e4	2.09e5	1.55e5	6.87e4	1.17e5	7.50e4	6.20e4	4.27e4	3.77e4	2.54e4	3.00e4	2.31e4
7228/7-1 A	COCH		2066.50	11794	1.14e6	2.28e5	4.50e5	3.19e5	6.00e4	2.67e5	1.87e5	1.32e5	8.84e4	7.70e4	5.29e4	4.49e4	3.22e4
7228/7-1 A	COCH		2071.45	11795	1.56e6	3.74e5	6.41e5	4.46e5	8.82e4	3.86e5	2.77e5	1.88e5	1.25e5	1.23e5	8.16e4	5.62e4	3.93e4
7228/7-1 A	COCH		2082.70	11797	3.22e6	7.68e5	1.28e6	9.07e5	1.84e5	7.59e5	5.28e5	3.74e5	2.54e5	2.19e5	1.63e5	9.96e4	6.85e4
7228/7-1 A	COCH		2086.50	11799	2.26e6	4.97e5	9.43e5	6.32e5	1.21e5	5.62e5	3.86e5	2.79e5	1.90e5	1.62e5	1.14e5	8.41e4	6.20e4
7228/7-1 A	COCH		2087.30	11801	4.72e6	1.12e6	1.97e6	1.37e6	2.46e5	1.22e6	7.97e5	5.98e5	4.07e5	3.65e5	2.76e5	1.93e5	1.32e5
7228/7-1 A	COCH		2088.95	11802	5.46e6	1.25e6	2.23e6	1.54e6	2.92e5	1.44e6	9.74e5	6.92e5	4.61e5	4.34e5	2.94e5	2.12e5	1.48e5
7228/7-1 A	COCH		2088.95	11803	3.56e6	8.55e5	1.51e6	1.08e6	1.84e5	9.53e5	6.60e5	4.71e5	3.28e5	3.16e5	2.18e5	1.48e5	1.16e5
7228/7-1 A	COCH		2093.80	11807	3.86e6	9.42e5	1.65e6	1.13e6	2.09e5	1.05e6	7.11e5	5.35e5	3.63e5	3.37e5	2.33e5	1.70e5	1.16e5
7228/7-1 A	COCH		2097.00	11810	3.73e6	4.04e5	1.61e6	1.26e6	1.95e5	8.28e5	5.58e5	4.32e5	2.86e5	2.12e5	1.41e5	1.61e5	9.55e4
7228/7-1 A	COCH		2098.30	11811	3.38e6	7.91e5	1.40e6	9.72e5	1.78e5	9.00e5	5.95e5	4.28e5	3.05e5	2.79e5	1.92e5	1.35e5	9.04e4
7228/7-1 A	COCH		2099.30	11812	2.43e6	5.78e5	1.01e6	6.98e5	1.21e5	6.33e5	4.27e5	3.18e5	2.12e5	2.02e5	1.41e5	9.80e4	7.54e4
7228/7-1 A	COCH		2101.25	11814	2.71e6	6.34e5	1.15e6	7.75e5	1.47e5	7.03e5	4.72e5	3.60e5	2.40e5	2.28e5	1.62e5	1.06e5	7.78e4
7228/7-1 A	COCH		2102.25	11816	4.66e6	9.99e5	1.96e6	1.34e6	2.41e5	1.16e6	8.00e5	6.03e5	4.21e5	3.88e5	2.68e5	1.98e5	1.32e5
7228/7-1 A	COCH		2102.50	11817	3.60e6	8.50e5	1.52e6	1.04e6	1.93e5	9.50e5	6.35e5	4.89e5	3.23e5	2.99e5	2.18e5	1.53e5	1.08e5
7228/7-1 A	COCH	2833.00	2833.02	11024	1.31e7	9.42e5	5.61e6	4.12e6	6.22e5	2.67e6	1.89e6	1.38e6	9.33e5	6.89e5	4.42e5	5.22e5	3.37e5

Table 9. continued, GCMS SIR of saturated compounds (peak height)

m/e 217

Well	Sample Type	Upper Depth	Lower Depth	Rpt ID	27diaS	27diaR	27tmS	27tmR	29diaS	29diaR	29tmR	29tmS	30diaS/H	30diaS/H	29diaS/T	29diaR/T	30diaR
7228/7-1 ST3	COCH	1367.38	1367.40	11309	3.46e6	4.57e6	2.75e6	2.70e6	9.53e6	5.79e6	2.32e6	2.90e6	2.89e6	2.73e6	1.66e6	1.98e6	1.28e6
7228/7-1 ST3	DC		1719.00	11789	3.07e4	3.57e4	2.16e4	2.10e4	6.53e4	3.76e4	1.77e4	1.87e4	3.92e4	3.78e4	2.10e4	2.69e4	1.71e4
7228/7-1 B	SWC		2139.00	11850	1.78e5	1.49e5	1.25e5	6.29e4	4.44e5	2.51e5	1.13e5	1.41e5	2.00e5	1.95e5	1.10e5	1.35e5	9.16e4
7228/7-1 B	SWC		2165.50	11852	6.91e4	5.88e4	3.88e4	2.44e4	9.81e4	5.72e4	2.38e4	3.06e4	3.77e4	4.12e4	2.23e4	2.22e4	1.80e4
7228/7-1 A	COCH		2066.50	11794	1.74e5	2.12e5	1.56e5	9.74e4	3.15e5	1.81e5	7.16e4	9.07e4	1.24e5	1.28e5	6.41e4	7.68e4	5.60e4
7228/7-1 A	COCH		2071.45	11795	1.13e5	8.88e4	7.95e4	3.11e4	2.37e5	1.32e5	5.69e4	7.11e4	1.05e5	1.14e5	6.03e4	7.15e4	4.96e4
7228/7-1 A	COCH		2082.70	11797	2.24e5	1.71e5	1.48e5	5.81e4	3.88e5	2.27e5	1.03e5	1.32e5	1.80e5	1.81e5	1.05e5	1.15e5	7.91e4
7228/7-1 A	COCH		2086.50	11799	1.92e5	1.48e5	1.31e5	5.55e4	3.51e5	2.09e5	7.96e4	1.09e5	1.57e5	1.65e5	8.75e4	9.76e4	6.74e4
7228/7-1 A	COCH		2087.30	11801	3.09e5	2.25e5	2.16e5	8.00e4	6.94e5	4.00e5	1.71e5	2.19e5	3.04e5	3.19e5	1.78e5	2.00e5	1.43e5
7228/7-1 A	COCH		2088.95	11802	3.39e5	2.33e5	2.28e5	7.68e4	7.55e5	4.32e5	1.82e5	2.31e5	3.28e5	3.59e5	1.97e5	2.18e5	1.41e5
7228/7-1 A	COCH		2088.95	11803	2.34e5	1.51e5	1.59e5	5.20e4	5.83e5	3.16e5	1.38e5	1.71e5	2.46e5	2.66e5	1.37e5	1.67e5	1.06e5
7228/7-1 A	COCH		2093.80	11807	2.39e5	1.60e5	1.66e5	5.35e4	6.02e5	3.47e5	1.51e5	1.86e5	2.60e5	2.85e5	1.54e5	1.80e5	1.09e5
7228/7-1 A	COCH		2097.00	11810	1.52e6	1.98e6	1.23e6	1.15e6	2.70e6	1.70e6	6.31e5	7.63e5	9.19e5	8.67e5	5.12e5	5.87e5	3.72e5
7228/7-1 A	COCH		2098.30	11811	2.24e5	1.61e5	1.48e5	5.08e4	5.30e5	3.01e5	1.27e5	1.60e5	2.17e5	2.43e5	1.34e5	1.50e5	9.94e4
7228/7-1 A	COCH		2099.30	11812	1.60e5	1.03e5	1.07e5	3.72e4	3.72e5	2.03e5	8.88e4	1.10e5	1.57e5	1.70e5	9.55e4	1.03e5	7.09e4
7228/7-1 A	COCH		2101.25	11814	1.84e5	1.29e5	1.27e5	4.12e4	4.52e5	2.54e5	1.07e5	1.36e5	1.87e5	2.04e5	1.11e5	1.28e5	8.01e4
7228/7-1 A	COCH		2102.25	11816	4.51e5	4.29e5	3.38e5	1.98e5	1.01e6	5.95e5	2.36e5	2.90e5	3.91e5	4.23e5	2.38e5	2.72e5	1.66e5
7228/7-1 A	COCH		2102.50	11817	2.64e5	1.88e5	1.87e5	6.93e4	6.16e5	3.68e5	1.49e5	1.99e5	2.66e5	2.83e5	1.57e5	1.78e5	1.19e5
7228/7-1 A	COCH	2833.00	2833.02	11024	5.28e6	7.27e6	4.52e6	4.08e6	9.61e6	6.00e6	2.14e6	2.64e6	3.13e6	3.02e6	1.78e6	2.03e6	1.22e6

Table 9. continued, GCMS SIR of saturated compounds (peak height)

m/e					217												
Well	Sample type	Top Depth	Core Depth	APPID	27αS	27βR	29αS	27βS	29βR	29αR	30αS	29βS	30βR	28βS	28βR	30βR	29βS
7228/7-1 ST3	COCH	1367.38	1367.40	11309	2.02e6	3.35e6	2.46e6	9.90e5	2.20e6	2.49e6	1.87e6	3.94e5	1.23e6	1.14e6	1.47e6	6.99e5	1.13e6
7228/7-1 ST3	DC		1719.00	11789	2.21e4	8.89e4	2.55e4	1.44e4	4.54e4	6.04e4	2.99e4	1.20e4	3.35e4	3.40e4	2.84e4	4.39e4	7.28e4
7228/7-1 B	SWC		2139.00	11850	1.13e5	3.89e5	1.31e5	8.46e4	1.53e5	2.54e5	1.53e5	4.85e4	1.42e5	9.91e4	1.37e5	8.63e4	1.76e5
7228/7-1 B	SWC		2165.50	11852	2.86e4	5.76e4	3.14e4	1.60e4	6.25e4	4.01e4	2.99e4	1.09e4	2.07e4	2.20e4	2.71e4	3.17e4	4.14e4
7228/7-1 A	COCH		2066.50	11794	6.57e4	1.88e5	7.72e4	4.60e4	9.26e4	1.22e5	7.60e4	1.37e4	5.35e4	4.31e4	5.55e4	4.46e4	7.09e4
7228/7-1 A	COCH		2071.45	11795	5.39e4	2.19e5	5.31e4	4.76e4	7.93e4	1.31e5	8.47e4	2.45e4	7.61e4	4.96e4	5.87e4	5.01e4	8.86e4
7228/7-1 A	COCH		2082.70	11797	9.67e4	3.68e5	9.25e4	7.85e4	1.32e5	2.36e5	1.58e5	4.01e4	1.34e5	8.58e4	1.05e5	8.26e4	1.59e5
7228/7-1 A	COCH		2086.50	11799	7.61e4	3.10e5	8.16e4	5.98e4	1.07e5	1.96e5	1.20e5	2.86e4	1.07e5	7.09e4	8.51e4	5.83e4	1.12e5
7228/7-1 A	COCH		2087.30	11801	1.44e5	6.38e5	1.44e5	1.35e5	1.83e5	4.00e5	2.61e5	5.75e4	2.37e5	1.35e5	1.67e5	1.03e5	2.49e5
7228/7-1 A	COCH		2088.95	11802	1.47e5	7.24e5	1.56e5	1.41e5	1.90e5	4.49e5	2.82e5	7.10e4	2.63e5	1.43e5	1.99e5	1.17e5	2.60e5
7228/7-1 A	COCH		2088.95	11803	1.05e5	5.24e5	1.09e5	1.01e5	1.28e5	3.09e5	2.07e5	4.70e4	1.78e5	9.68e4	1.39e5	7.15e4	1.91e5
7228/7-1 A	COCH		2093.80	11807	1.17e5	5.50e5	1.21e5	1.06e5	1.39e5	3.41e5	2.21e5	4.65e4	2.06e5	1.07e5	1.48e5	8.16e4	2.10e5
7228/7-1 A	COCH		2097.00	11810	5.61e5	9.98e5	6.78e5	2.66e5	5.10e5	7.16e5	4.59e5	1.28e5	3.19e5	3.33e5	4.36e5	1.77e5	3.29e5
7228/7-1 A	COCH		2098.30	11811	1.04e5	4.89e5	1.10e5	9.59e4	1.25e5	3.01e5	1.99e5	4.74e4	1.73e5	9.56e4	1.31e5	7.44e4	1.69e5
7228/7-1 A	COCH		2099.30	11812	7.21e4	3.43e5	7.58e4	6.38e4	9.22e4	2.09e5	1.40e5	3.52e4	1.23e5	6.54e4	9.17e4	5.33e4	1.27e5
7228/7-1 A	COCH		2101.25	11814	8.27e4	3.83e5	8.76e4	7.87e4	1.05e5	2.41e5	1.56e5	3.64e4	1.47e5	7.88e4	1.03e5	6.11e4	1.45e5
7228/7-1 A	COCH		2102.25	11816	1.97e5	7.57e5	2.30e5	1.56e5	2.19e5	4.71e5	3.25e5	7.03e4	2.69e5	1.63e5	2.30e5	1.12e5	2.62e5
7228/7-1 A	COCH		2102.50	11817	1.25e5	5.53e5	1.31e5	1.09e5	1.48e5	3.39e5	2.31e5	5.40e4	1.97e5	1.08e5	1.48e5	8.64e4	2.04e5
7228/7-1 A	COCH	2833.00	2833.02	11024	1.87e6	3.30e6	2.37e6	9.28e5	1.74e6	2.28e6	1.61e6	4.37e5	1.02e6	1.16e6	1.51e6	6.10e5	1.08e6

Table 9. continued, GCMS SIR of saturated compounds (peak height)

m/e					217							218					
Well	Sample Type	Driller's Depth	Lower Depth	Age (Ma)	29BTR	29BTS	29DIA	30DIA	30DIS	30BTS	30TET	29BTR	29BTS	28BTR	28BTS	29PEN	29BTS
7228/7-1 ST3	COCH	1367.38	1367.40	11309	1.44e6	1.35e6	9.89e5	3.35e5	3.31e5	1.74e5	1.83e5	4.50e6	3.88e6	1.70e6	2.01e6	2.46e6	2.27e6
7228/7-1 ST3	DC		1719.00	11789	5.67e4	5.37e4	6.26e4	0.00e0	9.39e3	7.62e3	0.00e0	3.98e4	3.39e4	3.09e4	3.02e4	7.64e4	7.21e4
7228/7-1 B	SWC		2139.00	11850	1.90e5	1.72e5	1.54e5	0.00e0	4.36e4	4.50e4	2.50e4	2.07e5	1.72e5	1.28e5	1.62e5	2.58e5	2.48e5
7228/7-1 B	SWC		2165.50	11852	4.05e4	3.66e4	2.82e4	0.00e0	0.00e0	0.00e0	0.00e0	4.61e4	3.75e4	2.64e4	2.96e4	5.15e4	4.52e4
7228/7-1 A	COCH		2066.50	11794	8.11e4	6.94e4	5.84e4	3.17e4	2.30e4	2.02e4	0.00e0	1.21e5	9.61e4	6.05e4	6.55e4	1.05e5	9.70e4
7228/7-1 A	COCH		2071.45	11795	8.96e4	8.00e4	7.10e4	0.00e0	1.70e4	2.46e4	0.00e0	7.99e4	6.11e4	4.31e4	5.43e4	1.00e5	1.01e5
7228/7-1 A	COCH		2082.70	11797	1.53e5	1.29e5	1.54e5	0.00e0	3.67e4	3.89e4	0.00e0	1.36e5	1.13e5	8.51e4	1.07e5	1.97e5	1.84e5
7228/7-1 A	COCH		2086.50	11799	1.14e5	1.11e5	1.09e5	0.00e0	2.79e4	3.46e4	0.00e0	1.20e5	9.91e4	7.90e4	9.72e4	1.64e5	1.59e5
7228/7-1 A	COCH		2087.30	11801	2.44e5	2.26e5	2.17e5	0.00e0	6.29e4	7.06e4	0.00e0	2.32e5	1.75e5	1.41e5	1.82e5	3.23e5	3.23e5
7228/7-1 A	COCH		2088.95	11802	2.57e5	2.40e5	2.62e5	0.00e0	6.67e4	6.65e4	0.00e0	2.59e5	1.94e5	1.50e5	2.03e5	3.73e5	3.29e5
7228/7-1 A	COCH		2088.95	11803	1.84e5	1.65e5	1.83e5	0.00e0	4.34e4	4.44e4	0.00e0	1.83e5	1.45e5	1.19e5	1.51e5	2.65e5	2.59e5
7228/7-1 A	COCH		2093.80	11807	2.03e5	1.83e5	2.05e5	0.00e0	4.70e4	4.53e4	0.00e0	2.06e5	1.57e5	1.24e5	1.66e5	2.89e5	2.79e5
7228/7-1 A	COCH		2097.00	11810	4.29e5	3.86e5	2.19e5	0.00e0	9.09e4	6.21e4	4.76e4	1.19e6	1.01e6	4.96e5	5.72e5	6.60e5	6.11e5
7228/7-1 A	COCH		2098.30	11811	1.71e5	1.53e5	1.72e5	0.00e0	4.11e4	4.14e4	2.06e4	1.72e5	1.33e5	1.10e5	1.41e5	2.42e5	2.26e5
7228/7-1 A	COCH		2099.30	11812	1.19e5	1.06e5	1.19e5	0.00e0	3.06e4	3.15e4	1.64e4	1.21e5	9.31e4	6.93e4	9.34e4	1.69e5	1.59e5
7228/7-1 A	COCH		2101.25	11814	1.40e5	1.24e5	1.39e5	0.00e0	3.24e4	3.57e4	2.24e4	1.39e5	1.07e5	8.92e4	1.14e5	2.03e5	1.89e5
7228/7-1 A	COCH		2102.25	11816	2.79e5	2.47e5	2.51e5	0.00e0	6.72e4	6.07e4	2.98e4	3.66e5	3.05e5	2.00e5	2.62e5	4.12e5	3.83e5
7228/7-1 A	COCH		2102.50	11817	1.94e5	1.77e5	1.94e5	0.00e0	4.73e4	4.88e4	2.42e4	2.06e5	1.69e5	1.27e5	1.65e5	2.81e5	2.63e5
7228/7-1 A	COCH	2833.00	2833.02	11024	1.43e6	1.36e6	7.01e5	3.24e5	3.44e5	1.94e5	1.52e5	4.62e6	3.68e6	1.85e6	2.10e6	2.44e6	2.29e6

Table 9. continued, GCMS SIR of saturated compounds (peak height)

				m/e	218	
Well	Sample Type	Upper Depth	Lower Depth	Acq. ID	30BR	30BS
7228/7-1 ST3	COCH	1367.38	1367.40	11309	3.34e5	2.83e5
7228/7-1 ST3	DC		1719.00	11789	1.01e4	9.62e3
7228/7-1 B	SWC		2139.00	11850	4.01e4	4.79e4
7228/7-1 B	SWC		2165.50	11852	0.00e0	0.00e0
7228/7-1 A	COCH		2066.50	11794	2.07e4	1.87e4
7228/7-1 A	COCH		2071.45	11795	1.85e4	2.00e4
7228/7-1 A	COCH		2082.70	11797	3.38e4	3.62e4
7228/7-1 A	COCH		2086.50	11799	3.03e4	3.24e4
7228/7-1 A	COCH		2087.30	11801	5.42e4	6.27e4
7228/7-1 A	COCH		2088.95	11802	6.30e4	6.80e4
7228/7-1 A	COCH		2088.95	11803	4.84e4	4.99e4
7228/7-1 A	COCH		2093.80	11807	5.01e4	5.55e4
7228/7-1 A	COCH		2097.00	11810	1.03e5	9.63e4
7228/7-1 A	COCH		2098.30	11811	4.25e4	4.57e4
7228/7-1 A	COCH		2099.30	11812	2.76e4	3.17e4
7228/7-1 A	COCH		2101.25	11814	3.24e4	3.56e4
7228/7-1 A	COCH		2102.25	11816	7.03e4	7.35e4
7228/7-1 A	COCH		2102.50	11817	4.84e4	5.13e4
7228/7-1 A	COCH	2833.00	2833.02	11024	3.82e5	3.15e5

Table 10. GCMS SIR of saturated compounds (amounts in ng/g)

							m/e 177											
Well	Sample type	Upper Depth	Lower Depth	NPD ID	25nor 28αβ	25nor 30αβ	27αβ	27βα	27αα	28αβ	28βα	28αα	29αβ	29βα	29αα	30αβ	30βα	30αα
7228/7-1 ST3	COCH	1367.38	1367.40	11309	2.60e3	1.33e3	6.58e3	1.08e4	4.72e4	2.38e4	1.10e4	9.57e3	4.01e4	7.25e3	6.98e3	4.98e3	4.45e3	
7228/7-1 ST3	DC		1719.00	11789	0.00e0	0.00e0	8.65e2	8.12e2	1.09e3	1.98e3	3.37e2	3.24e2	1.85e3	3.68e2	2.63e2	2.71e2	2.31e2	
7228/7-1 B	SWC		2139.00	11850	0.00e0	0.00e0	2.53e3	4.30e3	7.31e3	6.59e3	2.14e3	2.21e3	2.51e3	2.36e3	2.12e3	2.17e3	2.11e3	
7228/7-1 B	SWC		2165.50	11852	0.00e0	0.00e0	1.30e3	2.30e3	3.23e3	3.59e3	7.78e2	8.10e2	7.90e2	8.18e2	7.93e2	8.14e2	7.89e2	
7228/7-1 A	COCH		2066.50	11794	0.00e0	0.00e0	1.37e3	2.42e3	6.12e3	5.31e3	1.46e3	1.45e3	2.62e3	1.20e3	1.13e3	8.87e2	9.48e2	
7228/7-1 A	COCH		2071.45	11795	0.00e0	0.00e0	1.54e3	2.67e3	4.32e3	4.36e3	1.09e3	1.17e3	1.20e3	1.30e3	1.20e3	1.31e3	1.26e3	
7228/7-1 A	COCH		2082.70	11797	0.00e0	0.00e0	3.22e3	5.23e3	7.39e3	6.08e3	1.83e3	2.01e3	2.20e3	2.07e3	1.85e3	2.02e3	1.99e3	
7228/7-1 A	COCH		2086.50	11799	0.00e0	0.00e0	1.92e3	3.24e3	5.38e3	5.05e3	1.42e3	1.48e3	1.69e3	1.57e3	1.43e3	1.49e3	1.53e3	
7228/7-1 A	COCH		2087.30	11801	0.00e0	0.00e0	4.55e3	7.85e3	1.24e4	1.10e4	3.57e3	3.79e3	3.58e3	4.02e3	3.85e3	4.15e3	4.10e3	
7228/7-1 A	COCH		2088.95	11802	0.00e0	0.00e0	5.82e3	9.95e3	1.61e4	1.41e4	4.35e3	4.48e3	4.28e3	5.13e3	4.69e3	5.41e3	5.13e3	
7228/7-1 A	COCH		2088.95	11803	0.00e0	0.00e0	4.98e3	8.46e3	1.30e4	1.09e4	3.95e3	4.27e3	3.70e3	4.78e3	4.17e3	4.78e3	4.77e3	
7228/7-1 A	COCH		2093.80	11807	0.00e0	0.00e0	6.71e3	1.16e4	1.74e4	1.45e4	5.37e3	5.87e3	5.14e3	6.43e3	5.86e3	6.38e3	6.46e3	
7228/7-1 A	COCH		2097.00	11810	0.00e0	0.00e0	9.04e3	2.00e4	7.29e4	4.39e4	1.56e4	1.55e4	4.12e4	1.03e4	1.04e4	6.47e3	6.03e3	
7228/7-1 A	COCH		2098.30	11811	0.00e0	0.00e0	4.97e3	8.49e3	1.31e4	1.09e4	3.89e3	4.20e3	3.74e3	4.56e3	4.29e3	4.63e3	4.70e3	
7228/7-1 A	COCH		2099.30	11812	0.00e0	0.00e0	4.38e3	7.52e3	1.19e4	1.01e4	3.53e3	3.89e3	3.28e3	4.04e3	3.83e3	4.13e3	4.26e3	
7228/7-1 A	COCH		2101.25	11814	0.00e0	0.00e0	5.45e3	9.51e3	1.44e4	1.22e4	4.23e3	4.52e3	4.07e3	5.07e3	4.95e3	5.28e3	5.13e3	
7228/7-1 A	COCH		2102.25	11816	0.00e0	0.00e0	6.18e3	1.12e4	2.22e4	1.61e4	5.86e3	6.05e3	8.31e3	6.33e3	5.75e3	6.04e3	5.92e3	
7228/7-1 A	COCH		2102.50	11817	0.00e0	0.00e0	5.27e3	9.81e3	1.54e4	1.24e4	4.62e3	4.76e3	4.73e3	5.29e3	5.09e3	5.44e3	5.47e3	
7228/7-1 A	COCH	2833.00	2833.02	11024	6.53e2	0.00e0	1.90e3	4.10e3	1.65e4	8.65e3	3.67e3	3.33e3	9.32e3	2.18e3	2.10e3	1.31e3	1.18e3	

Table 10. continued, GCMS SIR of saturated compounds (amounts in ng/g)

m/e 191

Well	Sample Type	Depth Driller	Depth Datum	ARM ID	29/30S	29/30S	27Ts	27Tm	30/29S	30/29S	29αβ	25norH/30dH	29αβ	29αS	30dH	29βα	30O
7228/7-1 ST3	COCH	1367.38	1367.40	11309	3.96e3	3.88e3	2.99e4	1.14e4	2.23e3	2.89e3	3.10e3	1.89e3	3.50e4	1.18e4	2.52e3	3.63e3	0.00e0
7228/7-1 ST3	DC		1719.00	11789	0.00e0	0.00e0	1.56e3	1.25e4	0.00e0	0.00e0	1.26e3	0.00e0	2.09e4	2.32e3	1.19e3	3.03e3	0.00e0
7228/7-1 B	SWC		2139.00	11850	2.15e3	2.08e3	4.39e3	8.66e3	1.50e3	2.07e3	1.11e3	0.00e0	2.39e4	5.62e3	3.14e3	3.63e3	0.00e0
7228/7-1 B	SWC		2165.50	11852	6.26e2	6.01e2	1.96e3	1.82e3	5.26e2	1.04e3	4.92e2	0.00e0	4.99e3	1.71e3	6.48e2	8.97e2	0.00e0
7228/7-1 A	COCH		2066.50	11794	9.26e2	8.52e2	2.64e3	2.90e3	5.67e2	1.02e3	5.90e2	0.00e0	8.87e3	2.31e3	1.14e3	1.36e3	0.00e0
7228/7-1 A	COCH		2071.45	11795	1.14e3	1.12e3	2.02e3	4.08e3	7.74e2	1.22e3	5.05e2	0.00e0	1.11e4	2.73e3	1.75e3	1.92e3	0.00e0
7228/7-1 A	COCH		2082.70	11797	1.73e3	1.74e3	4.09e3	8.78e3	1.26e3	1.59e3	1.11e3	0.00e0	2.06e4	5.24e3	3.30e3	3.73e3	0.00e0
7228/7-1 A	COCH		2086.50	11799	1.49e3	1.34e3	2.68e3	5.04e3	1.02e3	1.35e3	8.69e2	0.00e0	1.35e4	3.51e3	2.16e3	2.37e3	0.00e0
7228/7-1 A	COCH		2087.30	11801	3.78e3	3.58e3	6.49e3	1.36e4	2.77e3	3.24e3	1.78e3	0.00e0	3.59e4	8.74e3	6.07e3	6.48e3	0.00e0
7228/7-1 A	COCH		2088.95	11802	4.75e3	4.65e3	7.98e3	1.68e4	3.22e3	3.90e3	2.16e3	0.00e0	4.62e4	1.12e4	7.61e3	8.25e3	0.00e0
7228/7-1 A	COCH		2088.95	11803	4.38e3	4.25e3	6.72e3	1.40e4	3.06e3	3.21e3	2.31e3	0.00e0	3.95e4	9.17e3	6.47e3	6.96e3	0.00e0
7228/7-1 A	COCH		2093.80	11807	6.11e3	5.58e3	9.67e3	1.90e4	4.24e3	4.35e3	2.72e3	0.00e0	5.28e4	1.27e4	8.86e3	9.67e3	0.00e0
7228/7-1 A	COCH		2097.00	11810	6.03e3	5.90e3	3.48e4	1.40e4	3.64e3	4.43e3	5.00e3	0.00e0	6.56e4	1.83e4	4.19e3	5.95e3	0.00e0
7228/7-1 A	COCH		2098.30	11811	4.42e3	3.99e3	6.67e3	1.42e4	3.13e3	3.17e3	2.17e3	0.00e0	3.74e4	8.98e3	6.08e3	6.78e3	0.00e0
7228/7-1 A	COCH		2099.30	11812	3.88e3	3.63e3	6.11e3	1.26e4	2.87e3	2.98e3	2.04e3	0.00e0	3.44e4	7.99e3	5.56e3	6.26e3	0.00e0
7228/7-1 A	COCH		2101.25	11814	4.63e3	4.40e3	7.24e3	1.53e4	3.33e3	3.67e3	1.99e3	0.00e0	4.02e4	1.01e4	6.73e3	7.27e3	0.00e0
7228/7-1 A	COCH		2102.25	11816	5.58e3	5.13e3	1.15e4	1.70e4	3.98e3	4.10e3	2.61e3	0.00e0	4.81e4	1.24e4	7.46e3	8.19e3	0.00e0
7228/7-1 A	COCH		2102.50	11817	5.15e3	4.82e3	7.92e3	1.55e4	3.47e3	3.80e3	2.29e3	0.00e0	4.07e4	1.00e4	6.86e3	7.53e3	0.00e0
7228/7-1 A	COCH	2833.00	2833.02	11024	1.16e3	1.11e3	7.38e3	2.45e3	7.54e2	7.23e2	1.14e3	0.00e0	1.32e4	3.73e3	6.95e2	1.00e3	0.00e0

Table 10. continued, GCMS SIR of saturated compounds (amounts in ng/g)

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Well	Sample Type	Upper Depth	Lower Depth	Lab ID	30αH	30βH	29αS	29βR	30G	29βS	29βR	30βS	30βR	34αS	34αR	35αS	35βR
7228/7-1 ST3	COCH	1367.38	1367.40	11309	2.91e4	3.24e3	1.14e4	8.65e3	1.23e3	5.18e3	4.20e3	2.83e3	2.13e3	1.58e3	1.23e3	1.45e3	1.21e3
7228/7-1 ST3	DC		1719.00	11789	2.30e4	4.35e3	1.07e4	7.42e3	1.10e3	5.67e3	3.82e3	2.42e3	1.50e3	1.74e3	1.30e3	2.17e3	1.59e3
7228/7-1 B	SWC		2139.00	11850	2.75e4	5.80e3	1.17e4	8.48e3	1.65e3	7.14e3	4.82e3	3.66e3	2.42e3	2.16e3	1.60e3	1.35e3	8.88e2
7228/7-1 B	SWC		2165.50	11852	4.80e3	9.14e2	2.09e3	1.56e3	6.89e2	1.17e3	7.52e2	6.21e2	4.28e2	3.78e2	2.54e2	3.00e2	2.32e2
7228/7-1 A	COCH		2066.50	11794	9.65e3	1.93e3	3.81e3	2.70e3	5.08e2	2.26e3	1.58e3	1.12e3	7.49e2	6.52e2	4.48e2	3.80e2	2.72e2
7228/7-1 A	COCH		2071.45	11795	1.33e4	3.19e3	5.46e3	3.80e3	7.52e2	3.29e3	2.36e3	1.61e3	1.06e3	1.05e3	6.95e2	4.79e2	3.35e2
7228/7-1 A	COCH		2082.70	11797	2.50e4	5.96e3	9.95e3	7.04e3	1.43e3	5.89e3	4.10e3	2.91e3	1.97e3	1.70e3	1.27e3	7.73e2	5.31e2
7228/7-1 A	COCH		2086.50	11799	1.72e4	3.78e3	7.18e3	4.81e3	9.25e2	4.28e3	2.94e3	2.12e3	1.44e3	1.23e3	8.72e2	6.40e2	4.72e2
7228/7-1 A	COCH		2087.30	11801	4.41e4	1.05e4	1.84e4	1.28e4	2.30e3	1.14e4	7.45e3	5.59e3	3.80e3	3.41e3	2.58e3	1.80e3	1.24e3
7228/7-1 A	COCH		2088.95	11802	5.91e4	1.35e4	2.41e4	1.66e4	3.17e3	1.55e4	1.05e4	7.49e3	4.99e3	4.70e3	3.19e3	2.30e3	1.60e3
7228/7-1 A	COCH		2088.95	11803	4.84e4	1.16e4	2.05e4	1.47e4	2.50e3	1.29e4	8.97e3	6.40e3	4.46e3	4.29e3	2.96e3	2.01e3	1.58e3
7228/7-1 A	COCH		2093.80	11807	6.63e4	1.62e4	2.83e4	1.94e4	3.60e3	1.80e4	1.22e4	9.19e3	6.23e3	5.79e3	4.00e3	2.91e3	1.98e3
7228/7-1 A	COCH		2097.00	11810	5.04e4	5.46e3	2.17e4	1.70e4	2.63e3	1.12e4	7.54e3	5.84e3	3.86e3	2.87e3	1.90e3	2.17e3	1.29e3
7228/7-1 A	COCH		2098.30	11811	4.73e4	1.11e4	1.96e4	1.36e4	2.50e3	1.26e4	8.33e3	5.99e3	4.27e3	3.90e3	2.68e3	1.89e3	1.27e3
7228/7-1 A	COCH		2099.30	11812	4.25e4	1.01e4	1.77e4	1.22e4	2.11e3	1.11e4	7.47e3	5.56e3	3.72e3	3.54e3	2.47e3	1.71e3	1.32e3
7228/7-1 A	COCH		2101.25	11814	4.94e4	1.16e4	2.10e4	1.41e4	2.68e3	1.28e4	8.61e3	6.57e3	4.38e3	4.16e3	2.95e3	1.94e3	1.42e3
7228/7-1 A	COCH		2102.25	11816	5.64e4	1.21e4	2.37e4	1.63e4	2.92e3	1.40e4	9.70e3	7.30e3	5.10e3	4.70e3	3.25e3	2.40e3	1.59e3
7228/7-1 A	COCH		2102.50	11817	5.10e4	1.20e4	2.15e4	1.48e4	2.73e3	1.34e4	8.99e3	6.92e3	4.57e3	4.23e3	3.08e3	2.16e3	1.53e3
7228/7-1 A	COCH	2833.00	2833.02	11024	9.46e3	6.80e2	4.05e3	2.97e3	4.49e2	1.93e3	1.36e3	9.98e2	6.74e2	4.97e2	3.19e2	3.77e2	2.43e2

Table 10. continued, GCMS SIR of saturated compounds (amounts in ng/g)

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Well	Sample type	Upper Depth	Lower Depth	APT ID	21aa	21bb	22aa	22bb	27dbS	27dbR	27daR	27daS	28dbS#1	28dbS#2	28dbR#1	28dbR#2	28daR
7228/7-1 ST3	COCH	1367.38	1367.40	11309	8.48e3	1.12e4	6.74e3	6.63e3	2.34e4	1.42e4	5.68e3	7.11e3	7.08e3	6.70e3	4.08e3	4.86e3	3.14e3
7228/7-1 ST3	DC		1719.00	11789	5.10e2	5.93e2	3.59e2	3.49e2	1.08e3	6.26e2	2.95e2	3.12e2	6.51e2	6.28e2	3.49e2	4.46e2	2.84e2
7228/7-1 B	SWC		2139.00	11850	1.59e3	1.33e3	1.11e3	5.61e2	3.96e3	2.24e3	1.01e3	1.26e3	1.78e3	1.74e3	9.84e2	1.21e3	8.17e2
7228/7-1 B	SWC		2165.50	11852	6.93e2	5.89e2	3.89e2	2.45e2	9.83e2	5.73e2	2.38e2	3.07e2	3.78e2	4.13e2	2.23e2	2.22e2	1.80e2
7228/7-1 A	COCH		2066.50	11794	1.48e3	1.80e3	1.32e3	8.24e2	2.66e3	1.53e3	6.06e2	7.68e2	1.05e3	1.09e3	5.43e2	6.50e2	4.74e2
7228/7-1 A	COCH		2071.45	11795	9.66e2	7.57e2	6.78e2	2.65e2	2.02e3	1.13e3	4.85e2	6.06e2	8.91e2	9.75e2	5.14e2	6.09e2	4.23e2
7228/7-1 A	COCH		2082.70	11797	1.74e3	1.33e3	1.15e3	4.51e2	3.01e3	1.76e3	7.96e2	1.02e3	1.40e3	1.41e3	8.12e2	8.91e2	6.14e2
7228/7-1 A	COCH		2086.50	11799	1.46e3	1.13e3	1.00e3	4.23e2	2.67e3	1.59e3	6.06e2	8.29e2	1.20e3	1.26e3	6.66e2	7.43e2	5.13e2
7228/7-1 A	COCH		2087.30	11801	2.88e3	2.10e3	2.02e3	7.48e2	6.49e3	3.74e3	1.60e3	2.05e3	2.84e3	2.98e3	1.66e3	1.87e3	1.34e3
7228/7-1 A	COCH		2088.95	11802	3.67e3	2.53e3	2.47e3	8.31e2	8.17e3	4.68e3	1.97e3	2.51e3	3.55e3	3.89e3	2.13e3	2.37e3	1.53e3
7228/7-1 A	COCH		2088.95	11803	3.18e3	2.05e3	2.16e3	7.07e2	7.93e3	4.30e3	1.87e3	2.33e3	3.34e3	3.62e3	1.86e3	2.26e3	1.45e3
7228/7-1 A	COCH		2093.80	11807	4.10e3	2.75e3	2.86e3	9.19e2	1.03e4	5.96e3	2.59e3	3.19e3	4.46e3	4.90e3	2.64e3	3.10e3	1.87e3
7228/7-1 A	COCH		2097.00	11810	2.05e4	2.67e4	1.66e4	1.56e4	3.64e4	2.29e4	8.53e3	1.03e4	1.24e4	1.17e4	6.92e3	7.93e3	5.03e3
7228/7-1 A	COCH		2098.30	11811	3.13e3	2.25e3	2.07e3	7.11e2	7.41e3	4.21e3	1.78e3	2.23e3	3.03e3	3.41e3	1.88e3	2.10e3	1.39e3
7228/7-1 A	COCH		2099.30	11812	2.80e3	1.80e3	1.88e3	6.51e2	6.50e3	3.55e3	1.55e3	1.92e3	2.75e3	2.97e3	1.67e3	1.80e3	1.24e3
7228/7-1 A	COCH		2101.25	11814	3.35e3	2.34e3	2.32e3	7.51e2	8.25e3	4.62e3	1.95e3	2.49e3	3.42e3	3.72e3	2.02e3	2.34e3	1.46e3
7228/7-1 A	COCH		2102.25	11816	5.47e3	5.20e3	4.10e3	2.40e3	1.22e4	7.20e3	2.86e3	3.52e3	4.74e3	5.13e3	2.89e3	3.30e3	2.01e3
7228/7-1 A	COCH		2102.50	11817	3.73e3	2.65e3	2.65e3	9.81e2	8.72e3	5.20e3	2.11e3	2.82e3	3.77e3	4.00e3	2.22e3	2.52e3	1.69e3
7228/7-1 A	COCH	2833.00	2833.02	11024	3.81e3	5.25e3	3.26e3	2.94e3	6.93e3	4.33e3	1.55e3	1.91e3	2.26e3	2.18e3	1.28e3	1.46e3	8.83e2

Table 10. continued, GCMS SIR of saturated compounds (amounts in ng/g)

m/e					217												
Well	Sample Type	Drill Depth	Logs Depth	APT ID	27diS	27diR+29diS	27triS	28diS	27triR	29diR	28diR	28triS	29diS	28triR	28triS	29triR	29triS
7228/7-1 ST3	COCH	1367.38	1367.40	11309	4.95e3	8.23e3	6.03e3	2.43e3	5.40e3	6.11e3	4.59e3	9.67e2	3.02e3	2.79e3	3.61e3	1.71e3	2.78e3
7228/7-1 ST3	DC		1719.00	11789	3.67e2	1.48e3	4.24e2	2.39e2	7.54e2	1.00e3	4.97e2	1.99e2	5.56e2	5.64e2	4.72e2	7.30e2	1.21e3
7228/7-1 B	SWC		2139.00	11850	1.01e3	3.47e3	1.17e3	7.54e2	1.36e3	2.26e3	1.36e3	4.33e2	1.27e3	8.84e2	1.22e3	7.69e2	1.57e3
7228/7-1 B	SWC		2165.50	11852	2.87e2	5.78e2	3.15e2	1.60e2	6.27e2	4.02e2	3.00e2	1.09e2	2.07e2	2.20e2	2.72e2	3.17e2	4.15e2
7228/7-1 A	COCH		2066.50	11794	5.56e2	1.59e3	6.54e2	3.89e2	7.84e2	1.04e3	6.43e2	1.16e2	4.53e2	3.65e2	4.70e2	3.78e2	6.00e2
7228/7-1 A	COCH		2071.45	11795	4.60e2	1.87e3	4.53e2	4.06e2	6.76e2	1.12e3	7.22e2	2.09e2	6.49e2	4.22e2	5.01e2	4.27e2	7.55e2
7228/7-1 A	COCH		2082.70	11797	7.50e2	2.85e3	7.18e2	6.09e2	1.02e3	1.83e3	1.23e3	3.11e2	1.04e3	6.66e2	8.15e2	6.41e2	1.23e3
7228/7-1 A	COCH		2086.50	11799	5.80e2	2.36e3	6.21e2	4.56e2	8.13e2	1.49e3	9.10e2	2.18e2	8.16e2	5.40e2	6.48e2	4.44e2	8.49e2
7228/7-1 A	COCH		2087.30	11801	1.34e3	5.96e3	1.35e3	1.26e3	1.71e3	3.74e3	2.44e3	5.37e2	2.22e3	1.26e3	1.56e3	9.63e2	2.32e3
7228/7-1 A	COCH		2088.95	11802	1.59e3	7.84e3	1.68e3	1.52e3	2.05e3	4.86e3	3.05e3	7.69e2	2.85e3	1.55e3	2.15e3	1.27e3	2.82e3
7228/7-1 A	COCH		2088.95	11803	1.43e3	7.12e3	1.48e3	1.37e3	1.74e3	4.20e3	2.81e3	6.38e2	2.42e3	1.32e3	1.88e3	9.71e2	2.60e3
7228/7-1 A	COCH		2093.80	11807	2.00e3	9.44e3	2.07e3	1.82e3	2.38e3	5.85e3	3.80e3	7.98e2	3.54e3	1.85e3	2.54e3	1.40e3	3.60e3
7228/7-1 A	COCH		2097.00	11810	7.58e3	1.35e4	9.16e3	3.60e3	6.90e3	9.68e3	6.20e3	1.73e3	4.32e3	4.50e3	5.90e3	2.39e3	4.45e3
7228/7-1 A	COCH		2098.30	11811	1.46e3	6.84e3	1.54e3	1.34e3	1.75e3	4.22e3	2.79e3	6.63e2	2.42e3	1.34e3	1.83e3	1.04e3	2.37e3
7228/7-1 A	COCH		2099.30	11812	1.26e3	6.01e3	1.33e3	1.12e3	1.61e3	3.66e3	2.45e3	6.17e2	2.15e3	1.14e3	1.61e3	9.32e2	2.23e3
7228/7-1 A	COCH		2101.25	11814	1.51e3	6.98e3	1.60e3	1.43e3	1.92e3	4.40e3	2.85e3	6.63e2	2.67e3	1.44e3	1.88e3	1.11e3	2.64e3
7228/7-1 A	COCH		2102.25	11816	2.39e3	9.18e3	2.78e3	1.88e3	2.65e3	5.70e3	3.94e3	8.52e2	3.26e3	1.98e3	2.78e3	1.36e3	3.17e3
7228/7-1 A	COCH		2102.50	11817	1.77e3	7.83e3	1.85e3	1.55e3	2.10e3	4.80e3	3.26e3	7.64e2	2.79e3	1.52e3	2.09e3	1.22e3	2.89e3
7228/7-1 A	COCH	2833.00	2833.02	11024	1.35e3	2.38e3	1.71e3	6.70e2	1.26e3	1.64e3	1.16e3	3.16e2	7.37e2	8.39e2	1.09e3	4.40e2	7.81e2

Table 10. continued, GCMS SIR of saturated compounds (amounts in ng/g)

m/e					217							218					
Well	Sample type	Core Depth	Log Depth	API ID	29BBR	29BBS	29aaR	30aaS	30BBR	30BBS	30aaR	27BBR	27BBS	28BBR	28BBS	29BBR	29BBS
7228/7-1 ST3	COCH	1367.38	1367.40	11309	3.54e3	3.31e3	2.43e3	8.21e2	8.12e2	4.26e2	4.48e2	1.10e4	9.53e3	4.16e3	4.92e3	6.03e3	5.56e3
7228/7-1 ST3	DC		1719.00	11789	9.42e2	8.92e2	1.04e3	0.00e0	1.56e2	1.27e2	0.00e0	6.62e2	5.64e2	5.14e2	5.02e2	1.27e3	1.20e3
7228/7-1 B	SWC		2139.00	11850	1.69e3	1.54e3	1.37e3	0.00e0	3.89e2	4.01e2	2.23e2	1.85e3	1.53e3	1.14e3	1.44e3	2.30e3	2.21e3
7228/7-1 B	SWC		2165.50	11852	4.06e2	3.67e2	2.83e2	0.00e0	0.00e0	0.00e0	0.00e0	4.62e2	3.76e2	2.64e2	2.97e2	5.16e2	4.53e2
7228/7-1 A	COCH		2066.50	11794	6.87e2	5.88e2	4.95e2	2.68e2	1.95e2	1.71e2	0.00e0	1.02e3	8.14e2	5.12e2	5.55e2	8.90e2	8.21e2
7228/7-1 A	COCH		2071.45	11795	7.64e2	6.82e2	6.05e2	0.00e0	1.44e2	2.10e2	0.00e0	6.81e2	5.21e2	3.68e2	4.63e2	8.52e2	8.60e2
7228/7-1 A	COCH		2082.70	11797	1.19e3	1.00e3	1.19e3	0.00e0	2.85e2	3.02e2	0.00e0	1.06e3	8.79e2	6.60e2	8.28e2	1.53e3	1.43e3
7228/7-1 A	COCH		2086.50	11799	8.69e2	8.45e2	8.34e2	0.00e0	2.13e2	2.63e2	0.00e0	9.18e2	7.55e2	6.02e2	7.40e2	1.25e3	1.21e3
7228/7-1 A	COCH		2087.30	11801	2.28e3	2.11e3	2.03e3	0.00e0	5.88e2	6.60e2	0.00e0	2.17e3	1.64e3	1.32e3	1.70e3	3.02e3	3.02e3
7228/7-1 A	COCH		2088.95	11802	2.78e3	2.60e3	2.84e3	0.00e0	7.22e2	7.19e2	0.00e0	2.80e3	2.10e3	1.63e3	2.20e3	4.04e3	3.56e3
7228/7-1 A	COCH		2088.95	11803	2.50e3	2.24e3	2.49e3	0.00e0	5.90e2	6.03e2	0.00e0	2.49e3	1.97e3	1.62e3	2.05e3	3.60e3	3.52e3
7228/7-1 A	COCH		2093.80	11807	3.48e3	3.15e3	3.52e3	0.00e0	8.07e2	7.78e2	0.00e0	3.54e3	2.70e3	2.13e3	2.85e3	4.97e3	4.79e3
7228/7-1 A	COCH		2097.00	11810	5.80e3	5.22e3	2.97e3	0.00e0	1.23e3	8.39e2	6.43e2	1.61e4	1.37e4	6.71e3	7.72e3	8.92e3	8.26e3
7228/7-1 A	COCH		2098.30	11811	2.39e3	2.14e3	2.40e3	0.00e0	5.75e2	5.79e2	2.88e2	2.41e3	1.86e3	1.54e3	1.98e3	3.39e3	3.17e3
7228/7-1 A	COCH		2099.30	11812	2.08e3	1.86e3	2.08e3	0.00e0	5.35e2	5.52e2	2.87e2	2.11e3	1.63e3	1.21e3	1.64e3	2.96e3	2.79e3
7228/7-1 A	COCH		2101.25	11814	2.55e3	2.27e3	2.53e3	0.00e0	5.90e2	6.51e2	4.08e2	2.53e3	1.95e3	1.63e3	2.08e3	3.70e3	3.44e3
7228/7-1 A	COCH		2102.25	11816	3.38e3	2.99e3	3.04e3	0.00e0	8.14e2	7.35e2	3.61e2	4.44e3	3.70e3	2.43e3	3.18e3	4.99e3	4.64e3
7228/7-1 A	COCH		2102.50	11817	2.75e3	2.50e3	2.75e3	0.00e0	6.69e2	6.91e2	3.43e2	2.92e3	2.40e3	1.80e3	2.34e3	3.97e3	3.72e3
7228/7-1 A	COCH	2833.00	2833.02	11024	1.03e3	9.82e2	5.06e2	2.34e2	2.48e2	1.40e2	1.09e2	3.33e3	2.66e3	1.33e3	1.51e3	1.76e3	1.65e3

Table 10. continued, GCMS SIR of saturated compounds (amounts in ng/g)

m/e					218	
Well	Sample Type	Depth - Core	Depth - Log	Area ID	30BER	30BBS
7228/7-1 ST3	COCH	1367.38	1367.40	11309	8.18e2	6.95e2
7228/7-1 ST3	DC		1719.00	11789	1.68e2	1.60e2
7228/7-1 B	SWC		2139.00	11850	3.57e2	4.27e2
7228/7-1 B	SWC		2165.50	11852	0.00e0	0.00e0
7228/7-1 A	COCH		2066.50	11794	1.75e2	1.58e2
7228/7-1 A	COCH		2071.45	11795	1.58e2	1.70e2
7228/7-1 A	COCH		2082.70	11797	2.63e2	2.81e2
7228/7-1 A	COCH		2086.50	11799	2.31e2	2.47e2
7228/7-1 A	COCH		2087.30	11801	5.07e2	5.86e2
7228/7-1 A	COCH		2088.95	11802	6.82e2	7.37e2
7228/7-1 A	COCH		2088.95	11803	6.58e2	6.78e2
7228/7-1 A	COCH		2093.80	11807	8.61e2	9.53e2
7228/7-1 A	COCH		2097.00	11810	1.39e3	1.30e3
7228/7-1 A	COCH		2098.30	11811	5.94e2	6.40e2
7228/7-1 A	COCH		2099.30	11812	4.83e2	5.55e2
7228/7-1 A	COCH		2101.25	11814	5.91e2	6.49e2
7228/7-1 A	COCH		2102.25	11816	8.52e2	8.90e2
7228/7-1 A	COCH		2102.50	11817	6.85e2	7.26e2
7228/7-1 A	COCH	2833.00	2833.02	11024	2.76e2	2.28e2

Table 11. GCMS SIR of aromatic compounds (peak height)

m/e					142		156										170
Well	Sample Type	Upper Depth	Lower Depth	Age	C2-Nb	1-MN	2-MN	BP	2,6-DMN	2,7-DMN	1,3+1,7-DMN	1,6-DMN	2,3+1,4-DMN	1,5-DMN	1,2-DMN	1,3,5-TMN	1,3,7-TMN
7228/7-1 ST3	COCH	1367.38	1367.40	11309	6.63e7	4.14e7	5.40e6	3.35e6	5.53e6	5.94e6	1.93e7	1.65e7	1.66e7	4.52e6	5.34e6	2.61e5	2.81e6
7228/7-1 ST3	DC		1719.00	11789	6.26e7	3.37e7	5.06e6	2.93e6	7.76e6	8.73e6	2.03e7	1.26e7	1.13e7	3.65e6	4.68e6	1.27e5	4.48e6
7228/7-1 B	SWC		2139.00	11850	4.00e6	3.50e6	6.30e5	4.90e5	3.55e6	3.85e6	1.11e7	6.70e6	4.60e6	2.16e6	2.00e6	6.22e4	1.33e7
7228/7-1 B	SWC		2165.50	11852	4.62e7	3.37e7	2.72e6	2.33e6	1.46e7	1.57e7	3.94e7	2.35e7	1.37e7	6.18e6	5.74e6	3.46e5	1.24e7
7228/7-1 A	COCH		2066.50	11794	6.88e6	5.75e6	1.13e6	7.78e5	4.75e6	4.95e6	1.36e7	7.75e6	4.57e6	2.24e6	1.76e6	4.37e4	8.10e6
7228/7-1 A	COCH		2071.45	11795	1.97e7	1.55e7	2.61e6	1.66e6	1.14e7	1.16e7	3.10e7	1.70e7	9.23e6	4.45e6	3.50e6	9.38e4	1.44e7
7228/7-1 A	COCH		2082.70	11797	9.97e8	5.46e8	5.95e7	3.11e7	2.51e8	2.57e8	5.14e8	3.35e8	1.83e8	6.82e7	6.58e7	1.63e6	1.61e8
7228/7-1 A	COCH		2086.50	11799	1.40e7	1.16e7	2.73e6	1.64e6	1.13e7	1.20e7	3.16e7	1.80e7	9.61e6	4.46e6	3.71e6	9.94e4	1.64e7
7228/7-1 A	COCH		2087.30	11801	7.14e7	5.15e7	9.72e6	5.59e6	4.10e7	4.11e7	9.91e7	5.78e7	2.96e7	1.27e7	1.17e7	3.02e5	4.46e7
7228/7-1 A	COCH		2088.95	11802	7.77e7	5.58e7	1.05e7	5.66e6	4.28e7	4.42e7	1.08e8	6.30e7	3.15e7	1.41e7	1.21e7	3.40e5	5.11e7
7228/7-1 A	COCH		2088.95	11803	8.97e7	6.32e7	1.31e7	7.19e6	5.57e7	5.58e7	1.34e8	7.81e7	4.06e7	1.73e7	1.55e7	4.11e5	6.24e7
7228/7-1 A	COCH		2093.80	11807	1.05e8	7.14e7	1.23e7	6.67e6	4.86e7	5.05e7	1.18e8	7.11e7	3.84e7	1.65e7	1.47e7	3.79e5	5.94e7
7228/7-1 A	COCH		2097.00	11810	2.29e7	1.66e7	2.62e6	1.56e6	1.13e7	1.14e7	2.74e7	1.60e7	8.34e6	3.76e6	3.20e6	7.31e4	1.14e7
7228/7-1 A	COCH		2098.30	11811	1.28e8	8.57e7	1.45e7	7.96e6	5.90e7	5.86e7	1.39e8	7.95e7	4.25e7	1.78e7	1.55e7	4.00e5	5.66e7
7228/7-1 A	COCH		2099.30	11812	1.08e8	7.20e7	1.24e7	6.38e6	5.11e7	5.19e7	1.20e8	7.07e7	3.65e7	1.60e7	1.32e7	3.50e5	5.19e7
7228/7-1 A	COCH		2101.25	11814	2.73e8	1.53e8	1.89e7	1.04e7	8.31e7	8.54e7	1.77e8	1.11e8	5.62e7	2.21e7	2.09e7	5.83e5	6.40e7
7228/7-1 A	COCH		2102.25	11816	7.58e7	5.06e7	1.13e7	6.11e6	4.96e7	4.96e7	1.15e8	6.68e7	3.76e7	1.55e7	1.41e7	4.29e5	5.51e7
7228/7-1 A	COCH		2102.50	11817	1.28e8	7.77e7	1.09e7	5.79e6	4.61e7	4.78e7	1.08e8	6.53e7	3.49e7	1.50e7	1.28e7	3.99e5	4.76e7
7228/7-1 A	COCH	2833.00	2833.02	11024	7.73e6	5.82e6	6.31e5	4.09e5	2.30e6	2.39e6	6.74e6	3.96e6	1.89e6	1.19e6	9.31e5	1.21e4	2.55e6

Table 11. continued, GCMS SIR of aromatic compounds (peak height)

Well	Sample type	Upper Depth	Lower Depth	m/e 170	2,6-DMN	1,6-DMN + 2,7-DMN	1,3-DMN	1,7-DMN	1,4-DMN	1,5-DMN	2,3-DMN	m/e 178 P	m/e 192 3-MP	2-MP	9-MP	1-MP	m/e 206 BP + 4,6-DMDBT
7228/7-1 ST3	COCH	1367.38	1367.40	11309	4.26e6	4.15e6	3.32e6	1.66e6	3.93e6	1.21e6	5.16e6	2.70e7	4.61e6	5.81e6	1.16e7	6.36e6	9.11e5
7228/7-1 ST3	DC		1719.00	11789	6.09e6	4.61e6	4.39e6	1.51e6	3.93e6	9.15e5	5.27e6	3.31e7	7.20e6	7.38e6	1.14e7	7.67e6	9.88e5
7228/7-1 B	SWC		2139.00	11850	1.63e7	1.21e7	1.29e7	2.90e6	9.81e6	1.65e6	5.26e6	4.38e7	1.82e7	1.87e7	2.90e7	1.89e7	4.36e6
7228/7-1 B	SWC		2165.50	11852	1.57e7	1.18e7	1.09e7	2.82e6	9.37e6	1.61e6	4.87e6	3.29e7	8.05e6	9.38e6	1.98e7	1.16e7	1.42e6
7228/7-1 A	COCH		2066.50	11794	9.02e6	7.15e6	6.65e6	1.56e6	5.24e6	8.20e5	2.54e6	1.49e7	5.65e6	6.02e6	9.50e6	6.14e6	1.28e6
7228/7-1 A	COCH		2071.45	11795	1.65e7	1.30e7	1.23e7	2.61e6	9.15e6	1.38e6	4.49e6	2.14e7	8.09e6	8.30e6	1.30e7	8.66e6	1.80e6
7228/7-1 A	COCH		2082.70	11797	2.18e8	1.32e8	1.62e8	3.14e7	1.07e8	1.61e7	5.28e7	4.39e8	1.44e8	1.72e8	2.46e8	1.63e8	2.65e7
7228/7-1 A	COCH		2086.50	11799	1.95e7	1.42e7	1.34e7	2.98e6	9.97e6	1.58e6	4.91e6	1.77e7	7.05e6	7.28e6	1.12e7	7.05e6	1.69e6
7228/7-1 A	COCH		2087.30	11801	5.44e7	3.82e7	3.64e7	8.25e6	2.63e7	4.17e6	1.27e7	3.92e7	1.66e7	1.67e7	2.49e7	1.61e7	3.99e6
7228/7-1 A	COCH		2088.95	11802	6.09e7	4.27e7	4.15e7	9.28e6	3.00e7	4.64e6	1.42e7	4.18e7	1.90e7	1.84e7	2.72e7	1.74e7	4.67e6
7228/7-1 A	COCH		2088.95	11803	7.51e7	5.26e7	5.05e7	1.11e7	3.65e7	5.68e6	1.74e7	5.35e7	2.31e7	2.29e7	3.46e7	2.21e7	5.71e6
7228/7-1 A	COCH		2093.80	11807	6.88e7	4.89e7	4.92e7	1.11e7	3.61e7	5.53e6	1.71e7	7.00e7	3.00e7	3.07e7	4.51e7	2.94e7	6.87e6
7228/7-1 A	COCH		2097.00	11810	1.34e7	9.63e6	9.05e6	2.08e6	6.65e6	1.03e6	3.19e6	9.77e6	3.92e6	3.91e6	6.18e6	3.95e6	9.01e5
7228/7-1 A	COCH		2098.30	11811	6.61e7	4.78e7	4.63e7	9.72e6	3.36e7	5.03e6	1.56e7	5.05e7	2.14e7	2.18e7	3.15e7	2.08e7	5.01e6
7228/7-1 A	COCH		2099.30	11812	6.05e7	4.14e7	4.27e7	9.13e6	2.94e7	4.40e6	1.35e7	4.18e7	1.80e7	1.76e7	2.60e7	1.69e7	4.19e6
7228/7-1 A	COCH		2101.25	11814	8.05e7	5.24e7	5.64e7	1.17e7	3.99e7	5.83e6	1.88e7	8.94e7	3.24e7	3.59e7	5.18e7	3.40e7	6.88e6
7228/7-1 A	COCH		2102.25	11816	6.65e7	4.62e7	4.50e7	1.03e7	3.32e7	5.09e6	1.58e7	5.19e7	2.28e7	2.26e7	3.51e7	2.23e7	5.47e6
7228/7-1 A	COCH		2102.50	11817	5.68e7	3.92e7	4.16e7	8.84e6	3.02e7	4.36e6	1.41e7	7.20e7	2.84e7	3.08e7	4.53e7	2.96e7	6.49e6
7228/7-1 A	COCH	2833.00	2833.02	11024	3.00e6	2.49e6	1.92e6	6.98e5	1.82e6	3.68e5	7.19e5	3.38e6	1.80e6	1.74e6	2.40e6	1.78e6	3.48e5

Table 11. continued, GCMS SIR of aromatic compounds (peak height)

m/e					206									219	184	198	
Well	Sample Type	Log Depth	Loaded Depth	NPTLIB	1-EP	2/9-3,5-DMP	1-EP-3,5-DMP	2/9-2,6-DMP	1,7-DMP	2,3-DMP	1/9-4,9-2,10-DMP	1,8-DMP	1,2-DMP	Retene	DBT	4-MDBT	(3+2)-MDBT
7228/7-1 ST3	COCH	1367.38	1367.40	11309	9.77e5	4.95e5	3.09e6	1.52e6	1.27e6	8.23e5	1.23e6	4.79e5	7.04e5	4.06e6	3.28e6	2.32e6	1.16e6
7228/7-1 ST3	DC		1719.00	11789	1.13e6	5.65e5	3.77e6	1.75e6	1.82e6	1.06e6	1.21e6	5.84e5	9.47e5	2.31e6	2.81e6	1.24e6	6.29e5
7228/7-1 B	SWC		2139.00	11850	6.66e6	3.59e6	2.30e7	9.93e6	8.47e6	4.80e6	6.85e6	2.78e6	1.86e6	2.75e6	4.37e6	3.80e6	1.98e6
7228/7-1 B	SWC		2165.50	11852	2.43e6	1.36e6	1.02e7	4.70e6	3.82e6	2.29e6	4.33e6	1.50e6	1.02e6	2.48e5	2.92e6	2.25e6	7.18e5
7228/7-1 A	COCH		2066.50	11794	1.91e6	1.08e6	7.22e6	3.07e6	2.61e6	1.43e6	2.12e6	8.33e5	5.37e5	7.70e5	1.55e6	1.29e6	5.90e5
7228/7-1 A	COCH		2071.45	11795	2.74e6	1.44e6	9.76e6	4.19e6	3.47e6	1.98e6	2.97e6	1.15e6	7.48e5	1.08e6	2.26e6	1.74e6	8.48e5
7228/7-1 A	COCH		2082.70	11797	4.62e7	2.78e7	1.67e8	7.27e7	6.55e7	3.37e7	4.67e7	2.08e7	1.45e7	1.40e7	4.49e7	3.09e7	1.57e7
7228/7-1 A	COCH		2086.50	11799	2.44e6	1.31e6	8.84e6	3.74e6	3.04e6	1.72e6	2.52e6	9.85e5	6.33e5	1.08e6	1.93e6	1.54e6	7.35e5
7228/7-1 A	COCH		2087.30	11801	6.03e6	3.05e6	2.02e7	8.59e6	7.10e6	4.04e6	5.66e6	2.27e6	1.49e6	2.76e6	4.35e6	3.53e6	1.75e6
7228/7-1 A	COCH		2088.95	11802	6.73e6	3.47e6	2.25e7	9.68e6	8.00e6	4.46e6	6.61e6	2.52e6	1.66e6	3.30e6	4.64e6	3.92e6	2.00e6
7228/7-1 A	COCH		2088.95	11803	8.66e6	4.34e6	2.84e7	1.21e7	1.00e7	5.64e6	8.12e6	3.12e6	2.10e6	3.97e6	5.90e6	4.83e6	2.52e6
7228/7-1 A	COCH		2093.80	11807	1.07e7	5.61e6	3.60e7	1.51e7	1.28e7	7.04e6	1.02e7	4.09e6	2.74e6	4.69e6	7.66e6	6.39e6	3.28e6
7228/7-1 A	COCH		2097.00	11810	1.33e6	7.16e5	4.75e6	2.04e6	1.69e6	9.44e5	1.38e6	5.24e5	3.24e5	6.02e5	1.04e6	8.48e5	3.75e5
7228/7-1 A	COCH		2098.30	11811	7.67e6	4.00e6	2.55e7	1.08e7	9.25e6	5.20e6	7.31e6	2.91e6	1.91e6	3.58e6	5.45e6	4.56e6	2.25e6
7228/7-1 A	COCH		2099.30	11812	6.30e6	3.23e6	2.14e7	8.97e6	7.69e6	4.23e6	6.30e6	2.33e6	1.55e6	2.96e6	4.46e6	3.75e6	1.87e6
7228/7-1 A	COCH		2101.25	11814	1.12e7	6.17e6	3.74e7	1.64e7	1.45e7	7.77e6	1.10e7	4.56e6	3.08e6	4.34e6	8.94e6	6.89e6	3.35e6
7228/7-1 A	COCH		2102.25	11816	8.33e6	4.24e6	2.82e7	1.18e7	9.78e6	5.66e6	8.54e6	3.27e6	2.08e6	3.85e6	5.31e6	4.82e6	2.24e6
7228/7-1 A	COCH		2102.50	11817	1.02e7	5.38e6	3.49e7	1.48e7	1.30e7	7.08e6	1.09e7	4.15e6	2.78e6	4.21e6	7.08e6	6.04e6	2.88e6
7228/7-1 A	COCH	2833.00	2833.02	11024	5.51e5	3.27e5	2.07e6	9.07e5	9.34e5	4.34e5	6.70e5	3.04e5	1.91e5	3.00e4	1.30e5	1.44e5	4.88e4

Table 11. continued, GCMS SIR of aromatic compounds (peak height)

m/e 198 253

Well	Sample Type	Upper Depth	Lower Depth	ADT ID	4MDBT	C1NA	C2NA	bSC7NA	bSC27DMa	bRC27MA+b RC27DMA	aSC27NA	bSG28NA+bS C28DMA+aR C27DMA	aSG27DMA	aRC27NA	aSC28MA	bRC28MA+b RC28DMA	bSG29NA+bS C29DMA
7228/7-1 ST3	COCH	1367.38	1367.40	11309	8.36e5	2.62e5	1.43e5	5.76e4	2.39e5	2.26e5	4.52e4	3.49e5	4.52e4	3.32e4	6.31e4	1.98e5	2.21e5
7228/7-1 ST3	DC		1719.00	11789	6.07e5	9.03e4	5.26e4	9.21e3	5.74e4	4.49e4	9.25e3	1.69e5	3.10e4	0.00e0	1.79e4	1.11e5	3.83e5
7228/7-1 B	SWC		2139.00	11850	8.91e5	1.69e5	1.23e5	3.37e4	1.20e5	9.11e4	4.35e4	2.13e5	5.29e4	2.78e4	4.81e4	1.30e5	3.21e5
7228/7-1 B	SWC		2165.50	11852	5.21e5	0.00e0	0.00e0	0.00e0	3.58e3	4.36e3	3.27e3	7.49e3	0.00e0	0.00e0	0.00e0	3.89e3	5.97e3
7228/7-1 A	COCH		2066.50	11794	2.54e5	2.74e4	1.81e4	4.03e3	1.40e4	1.02e4	4.90e3	2.37e4	6.25e3	4.38e3	4.64e3	1.13e4	3.16e4
7228/7-1 A	COCH		2071.45	11795	3.78e5	3.93e4	3.02e4	5.17e3	2.13e4	1.66e4	7.24e3	3.25e4	1.03e4	3.77e3	7.03e3	2.01e4	5.81e4
7228/7-1 A	COCH		2082.70	11797	6.62e6	2.17e5	1.67e5	1.76e4	7.90e4	5.13e4	2.59e4	1.29e5	3.50e4	1.83e4	2.79e4	8.05e4	2.16e5
7228/7-1 A	COCH		2086.50	11799	3.16e5	5.59e4	3.74e4	8.27e3	3.09e4	2.15e4	1.22e4	5.21e4	1.49e4	6.83e3	1.23e4	2.81e4	8.35e4
7228/7-1 A	COCH		2087.30	11801	7.50e5	2.11e5	1.54e5	3.08e4	1.38e5	9.47e4	4.55e4	2.22e5	6.28e4	2.48e4	4.25e4	1.27e5	3.51e5
7228/7-1 A	COCH		2088.95	11802	8.49e5	2.45e5	1.91e5	3.94e4	1.73e5	1.23e5	6.55e4	2.85e5	7.68e4	3.24e4	6.18e4	1.77e5	4.63e5
7228/7-1 A	COCH		2088.95	11803	1.04e6	2.98e5	2.49e5	5.35e4	2.24e5	1.70e5	8.16e4	3.63e5	1.07e5	4.82e4	8.22e4	2.25e5	5.90e5
7228/7-1 A	COCH		2093.80	11807	1.37e6	3.04e5	2.45e5	5.40e4	2.36e5	1.60e5	8.79e4	4.01e5	1.06e5	4.53e4	9.35e4	2.38e5	6.23e5
7228/7-1 A	COCH		2097.00	11810	1.49e5	2.87e4	1.56e4	3.52e3	1.20e4	1.05e4	4.33e3	2.12e4	6.35e3	3.42e3	5.20e3	1.10e4	3.18e4
7228/7-1 A	COCH		2098.30	11811	9.62e5	2.46e5	1.87e5	4.15e4	1.77e5	1.18e5	6.59e4	2.91e5	7.68e4	3.05e4	5.44e4	1.74e5	4.73e5
7228/7-1 A	COCH		2099.30	11812	7.72e5	1.97e5	1.56e5	2.90e4	1.38e5	8.72e4	4.99e4	2.17e5	5.86e4	2.84e4	4.76e4	1.35e5	3.64e5
7228/7-1 A	COCH		2101.25	11814	1.42e6	2.12e5	1.59e5	2.89e4	1.28e5	9.31e4	4.93e4	2.24e5	6.03e4	2.33e4	4.18e4	1.32e5	3.45e5
7228/7-1 A	COCH		2102.25	11816	1.02e6	3.19e5	2.34e5	5.57e4	2.46e5	1.60e5	8.82e4	3.75e5	1.10e5	4.23e4	8.43e4	2.42e5	5.94e5
7228/7-1 A	COCH		2102.50	11817	1.28e6	2.68e5	2.18e5	4.67e4	2.13e5	1.42e5	6.78e4	3.24e5	8.72e4	3.73e4	6.61e4	1.89e5	4.89e5
7228/7-1 A	COCH	2833.00	2833.02	11024	1.54e4	0.00e0	0.00e0	0.00e0	3.24e3	0.00e0	0.00e0	4.12e3	0.00e0	0.00e0	0.00e0	3.34e3	3.78e3

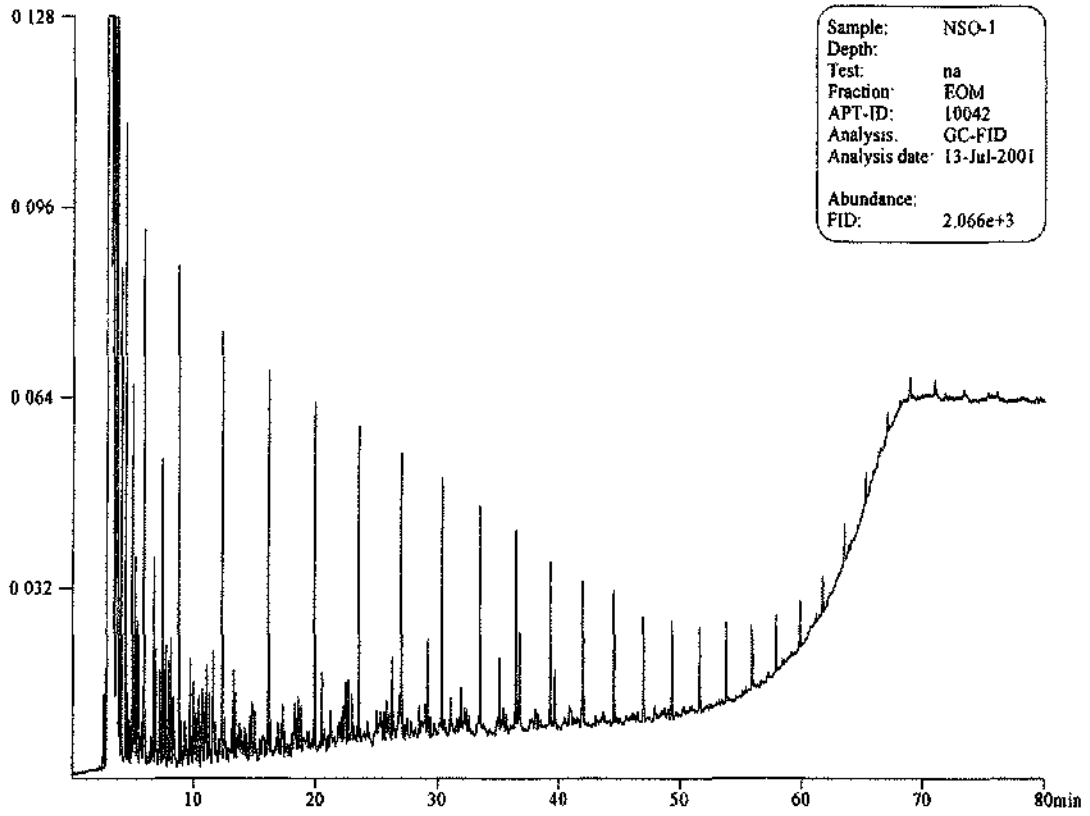
Table 11. continued, GCMS SIR of aromatic compounds (peak height)

m/e					253			231						
Well	Sample type	Upper Depth	Lower Depth	APT ID	3SC29MA	3RC28MA+3RC29MA+5R C29DMA	3RC29MA	C20TA	C21TA	SC26TA	RC26TA+SC27TA	SC28TA	RC27TA	RC28TA
7228/7-1 ST3	COCH	1367.38	1367.40	11309	3.73e4	1.58e5	2.97e4	1.13e5	7.59e4	8.16e4	1.89e5	6.77e4	5.52e4	7.73e4
7228/7-1 ST3	DC		1719.00	11789	2.05e4	2.23e5	1.31e4	1.65e5	1.03e5	6.65e4	2.66e5	2.54e5	1.06e5	3.06e5
7228/7-1 B	SWC		2139.00	11850	4.74e4	1.90e5	3.75e4	6.86e5	3.63e5	1.87e5	4.99e5	3.84e5	2.00e5	3.76e5
7228/7-1 B	SWC		2165.50	11852	0.00e0	3.88e3	0.00e0	2.39e5	9.63e4	3.76e4	1.00e5	3.70e4	2.91e4	3.83e4
7228/7-1 A	COCH		2066.50	11794	4.30e3	2.06e4	5.24e3	1.37e5	6.05e4	2.08e4	5.42e4	4.19e4	1.79e4	4.28e4
7228/7-1 A	COCH		2071.45	11795	8.82e3	3.29e4	6.66e3	2.25e5	9.97e4	3.66e4	9.31e4	8.21e4	3.20e4	7.89e4
7228/7-1 A	COCH		2082.70	11797	2.84e4	1.26e5	2.04e4	2.77e6	1.35e6	3.30e5	7.30e5	6.08e5	2.92e5	5.77e5
7228/7-1 A	COCH		2086.50	11799	1.39e4	4.74e4	9.21e3	2.21e5	1.04e5	4.87e4	1.16e5	1.05e5	3.96e4	9.56e4
7228/7-1 A	COCH		2087.30	11801	5.73e4	2.29e5	3.43e4	6.62e5	3.41e5	1.84e5	4.33e5	4.02e5	1.64e5	3.69e5
7228/7-1 A	COCH		2088.95	11802	7.50e4	2.96e5	5.63e4	7.72e5	4.04e5	2.27e5	5.46e5	5.01e5	2.07e5	4.61e5
7228/7-1 A	COCH		2088.95	11803	9.95e4	3.85e5	7.32e4	9.20e5	5.07e5	2.95e5	7.26e5	6.56e5	2.88e5	6.35e5
7228/7-1 A	COCH		2093.80	11807	1.03e5	3.98e5	7.54e4	1.11e6	5.80e5	3.31e5	7.92e5	7.29e5	3.06e5	7.04e5
7228/7-1 A	COCH		2097.00	11810	6.39e3	1.94e4	4.06e3	1.05e5	4.77e4	2.42e4	6.20e4	5.16e4	2.22e4	5.05e4
7228/7-1 A	COCH		2098.30	11811	7.69e4	2.99e5	5.14e4	8.27e5	4.30e5	2.46e5	5.98e5	5.30e5	2.27e5	5.05e5
7228/7-1 A	COCH		2099.30	11812	5.94e4	2.28e5	3.86e4	6.63e5	3.36e5	2.00e5	4.84e5	4.62e5	1.79e5	4.11e5
7228/7-1 A	COCH		2101.25	11814	5.31e4	2.25e5	3.82e4	9.42e5	4.79e5	2.38e5	5.47e5	4.87e5	2.13e5	4.75e5
7228/7-1 A	COCH		2102.25	11816	1.11e5	3.81e5	7.52e4	9.61e5	5.30e5	3.27e5	7.68e5	7.04e5	3.03e5	6.72e5
7228/7-1 A	COCH		2102.50	11817	8.10e4	3.12e5	5.90e4	1.02e6	5.40e5	2.93e5	6.78e5	6.28e5	2.61e5	5.85e5
7228/7-1 A	COCH	2833.00	2833.02	11024	0.00e0	0.00e0	0.00e0	1.25e4	6.05e3	0.00e0	0.00e0	0.00e0	0.00e0	0.00e0

Table 12. Isotopes of fractions, δ13C (‰ PDB)

Well	Sample Type	Depth (m)	Depth (m)	APID	OILFRAC	Sat	Aro	Res	Asph
7228/7-1 ST3	COCH	1367.38	1367.40	11309	-28.5	-27.9	-27.1	-29.2	-28.8
7228/7-1 ST3	DC		1719.00	11789	-29.3	-29.1	-27.1	-30.2	-27.8
7228/7-1 B	SWC		2139.00	11850	-29.3	-29.3	-28.4	-30.1	-28.3
7228/7-1 B	SWC		2165.50	11852		-29.3	-28.4	-30.1	-27.6
7228/7-1 A	COCH		2066.50	11794	-29.7	-29.0	-28.2	-30.2	-29.1
7228/7-1 A	COCH		2071.45	11795	-29.5	-29.3	-28.2	-30.1	-29.4
7228/7-1 A	COCH		2082.70	11797	-29.0	-29.4	-27.8	-29.8	-28.6
7228/7-1 A	COCH		2086.50	11799	-29.5	-29.4	-28.4	-30.1	-29.1
7228/7-1 A	COCH		2087.30	11801	-29.3	-29.4	-28.4	-30.4	-29.3
7228/7-1 A	COCH		2088.95	11802	-29.1	-29.4	-28.4	-29.4	-29.5
7228/7-1 A	COCH		2088.95	11803	-29.2	-29.4	-28.4	-29.4	-29.1
7228/7-1 A	COCH		2093.80	11807	-29.2	-29.4	-28.3	-30.1	-29.3
7228/7-1 A	COCH		2097.00	11810	-28.9	-28.7	-28.4	-29.8	-28.4
7228/7-1 A	COCH		2098.30	11811	-29.2	-29.4	-28.4	-30.0	-29.1
7228/7-1 A	COCH		2099.30	11812	-29.1	-29.4	-28.4	-30.2	-29.2
7228/7-1 A	COCH		2101.25	11814	-29.2	-29.4	-28.2	-30.2	-28.8
7228/7-1 A	COCH		2102.25	11816	-29.1	-29.4	-28.4	-29.9	-29.0
7228/7-1 A	COCH		2102.50	11817	-29.1	-29.4	-28.4	-30.1	-28.9
7228/7-1 A	COCH	2833.00	2833.02	11024	-28.3	-28.4	-27.8	-29.5	-29.4

GC Chromatograms of EOM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0 064
0 032
Sample: NSO-1
Depth:
Test: na
Fraction: EOM
APT-ID: 10042
Analysis: GC-FID
Analysis date: 13-Jul-2001
Abundance:
FID: 2.066e+3
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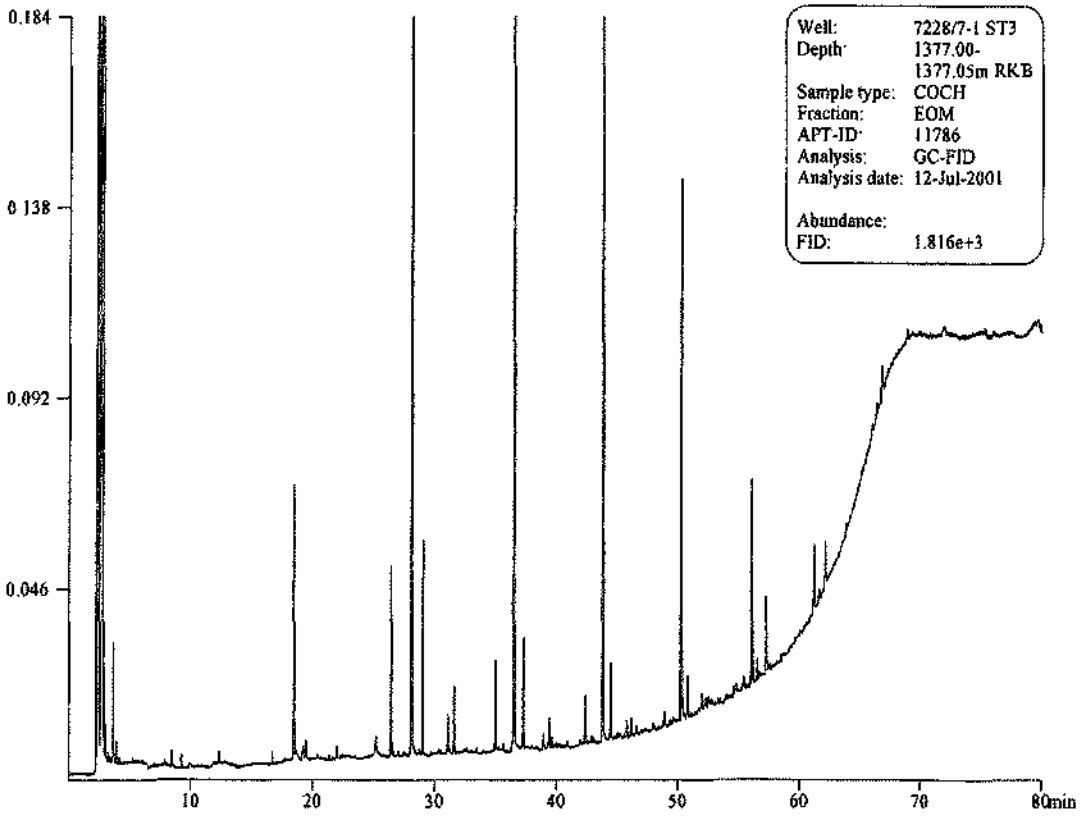
20
30
40
50
60
70
80min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0 138
0.092
0.046
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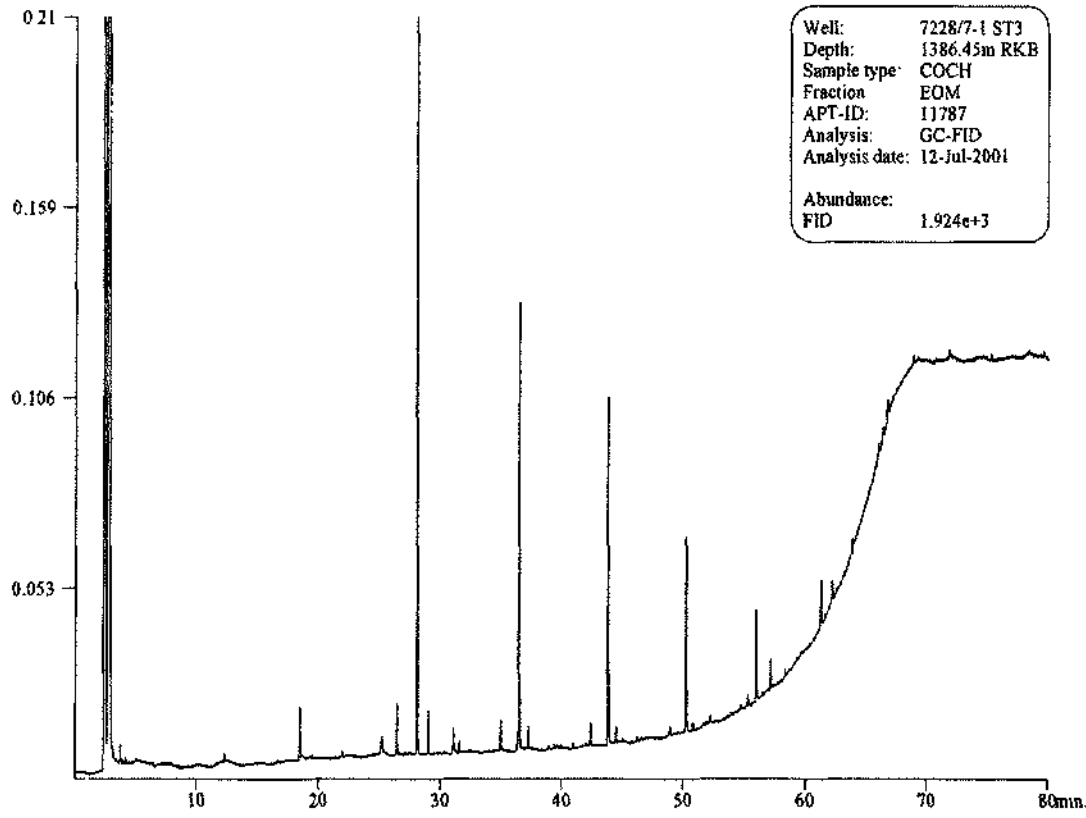
Sample type: COCH
Fraction: EOM
APT-ID: 11786
Analysis: GC-FID
Analysis date: 12-Jul-2001
Abundance:
FID: 1.816e+3
10
20
30
40
50
60
70
80min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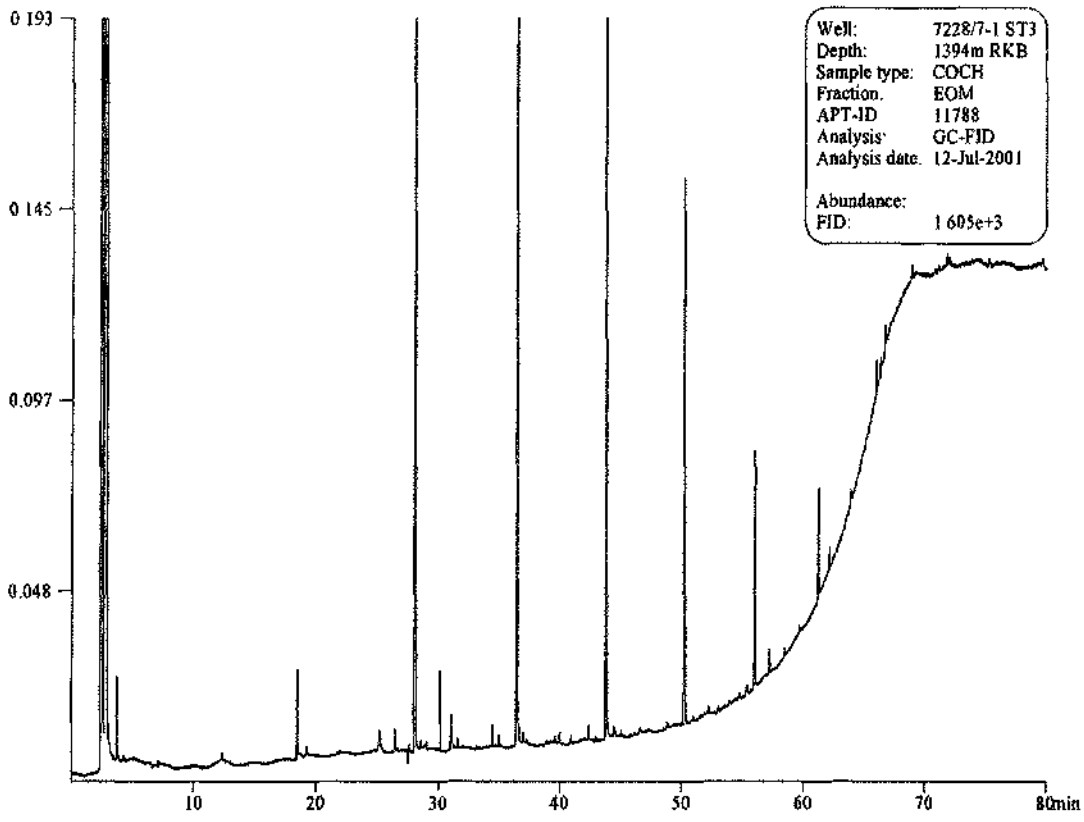
Well: 7228/7-1 ST3
Depth: 1386.45m RKB
Sample type: COCH
Fraction EOM
APT-ID: 11787
Analysis: GC-FID
Analysis date: 12-Jul-2001
Abundance:
FID 1.924e+3
10
20
30
40
50
60
70
80mn.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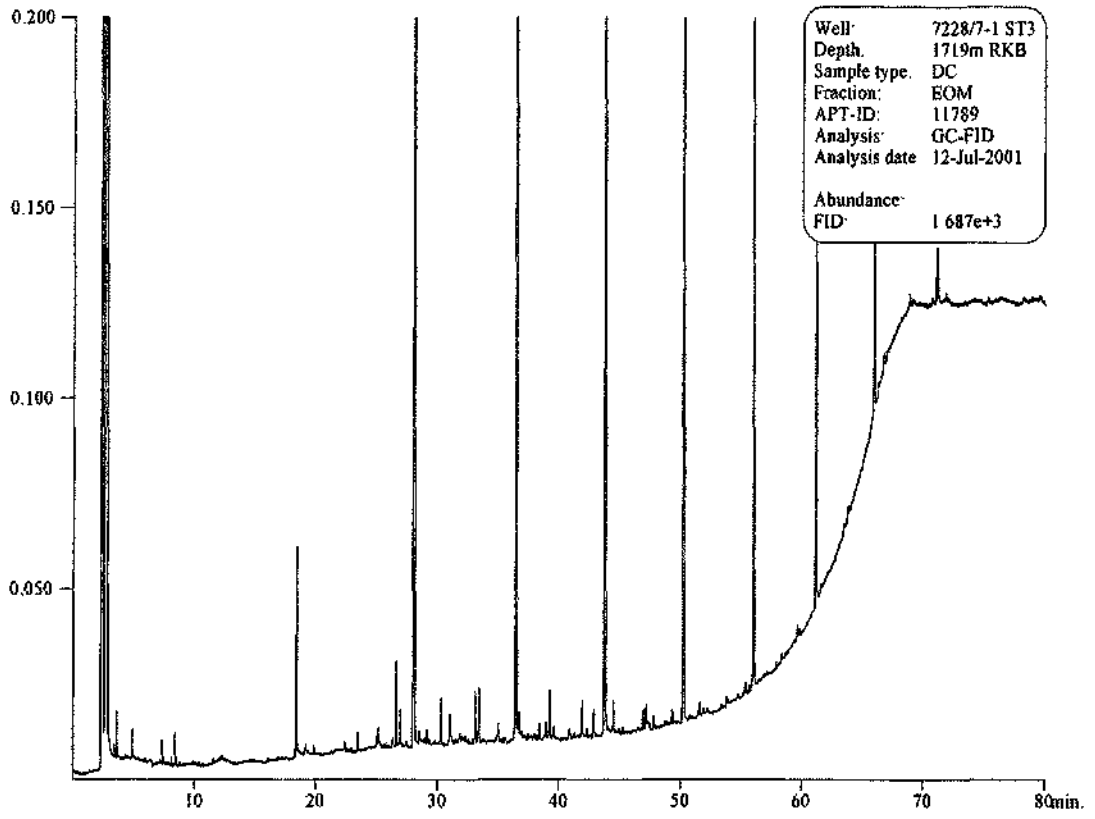
Depth: 1394m RKB
Sample type: COCH
Fraction. EOM
APT-ID 11788
Analysis GC-FID
Analysis date. 12-Jul-2001
Abundance:
FID: 1.605e+3
10
20
30
40
50
60
70
80min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Fraction: EOM
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Analysis date: 12-Jul-2001
Abundance
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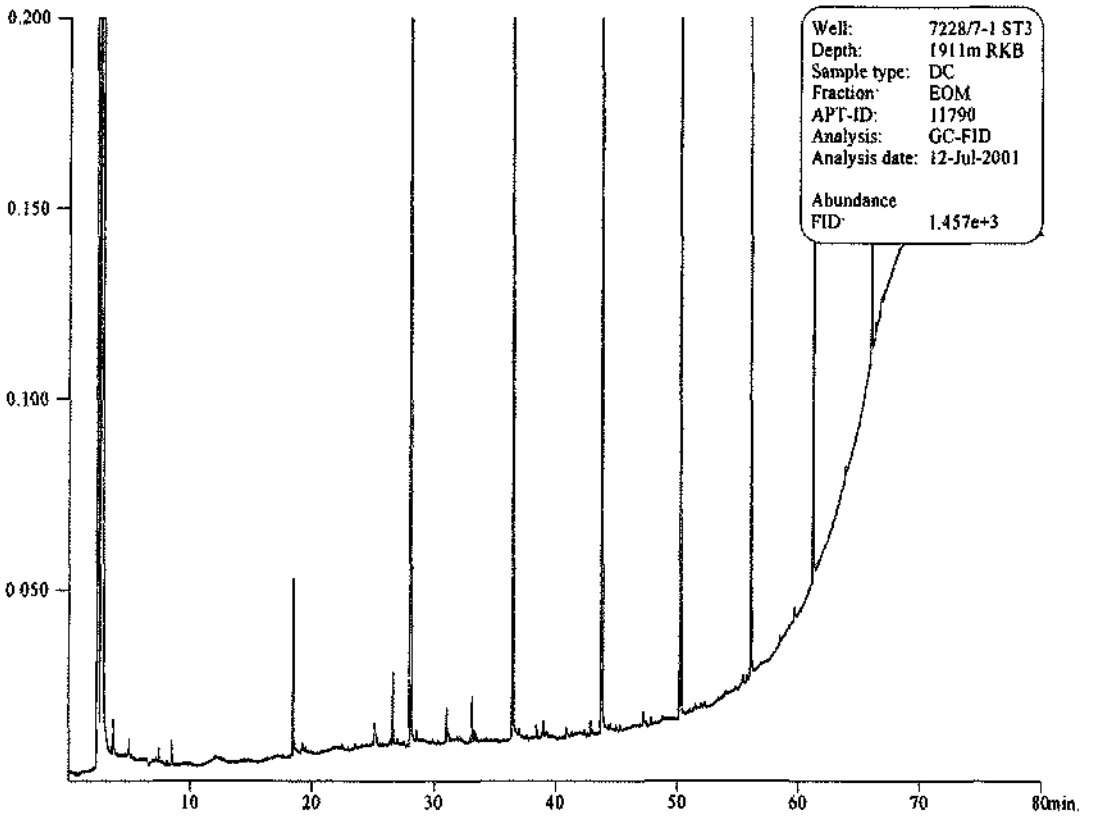
60
70
80min.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Abundance
FID: 1.457e+3
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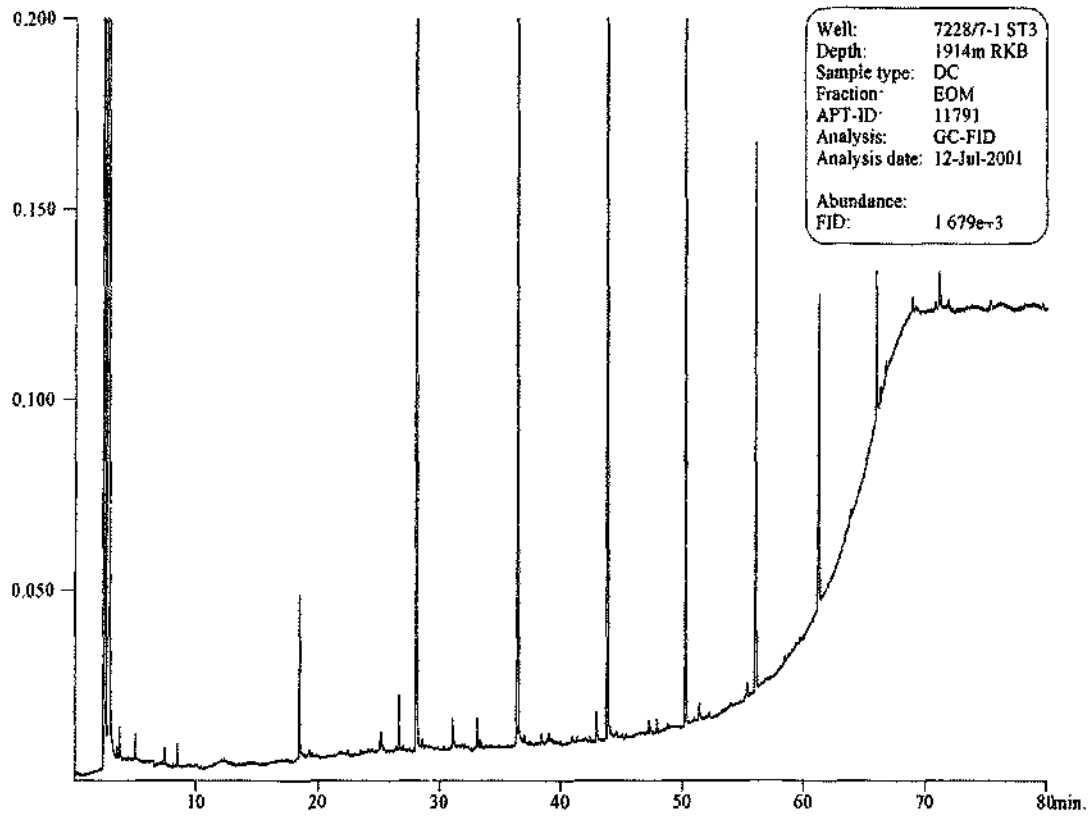
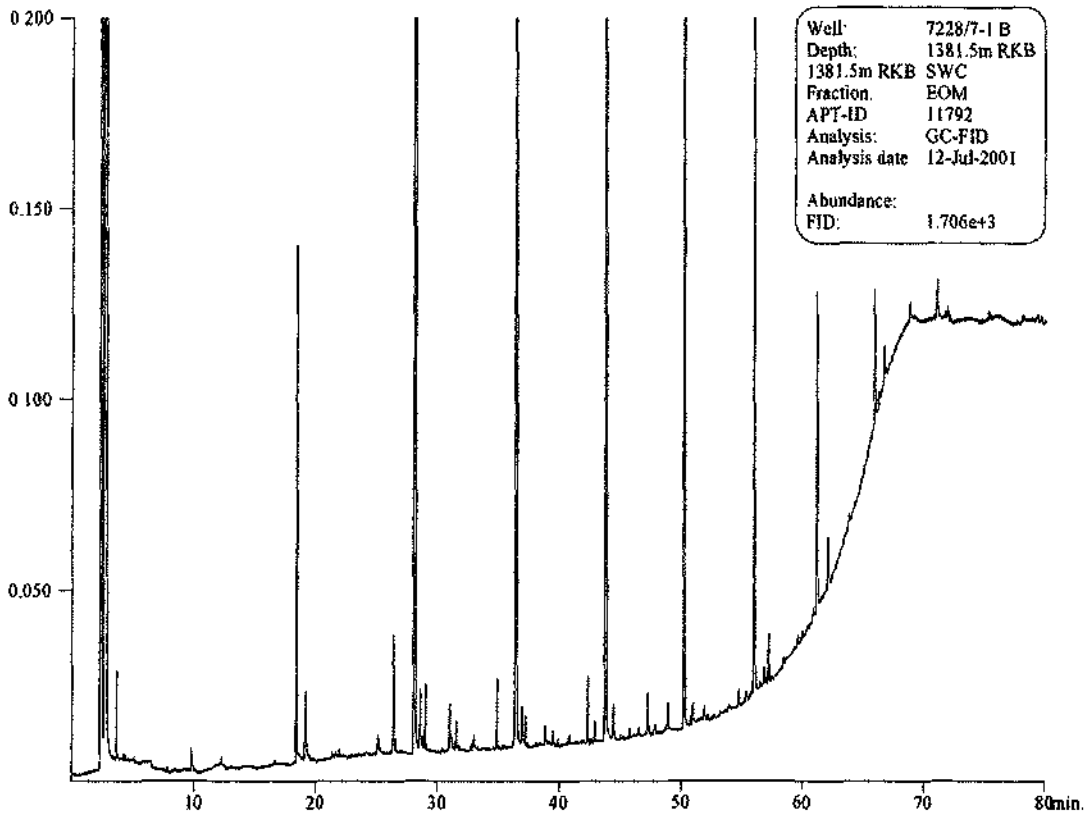
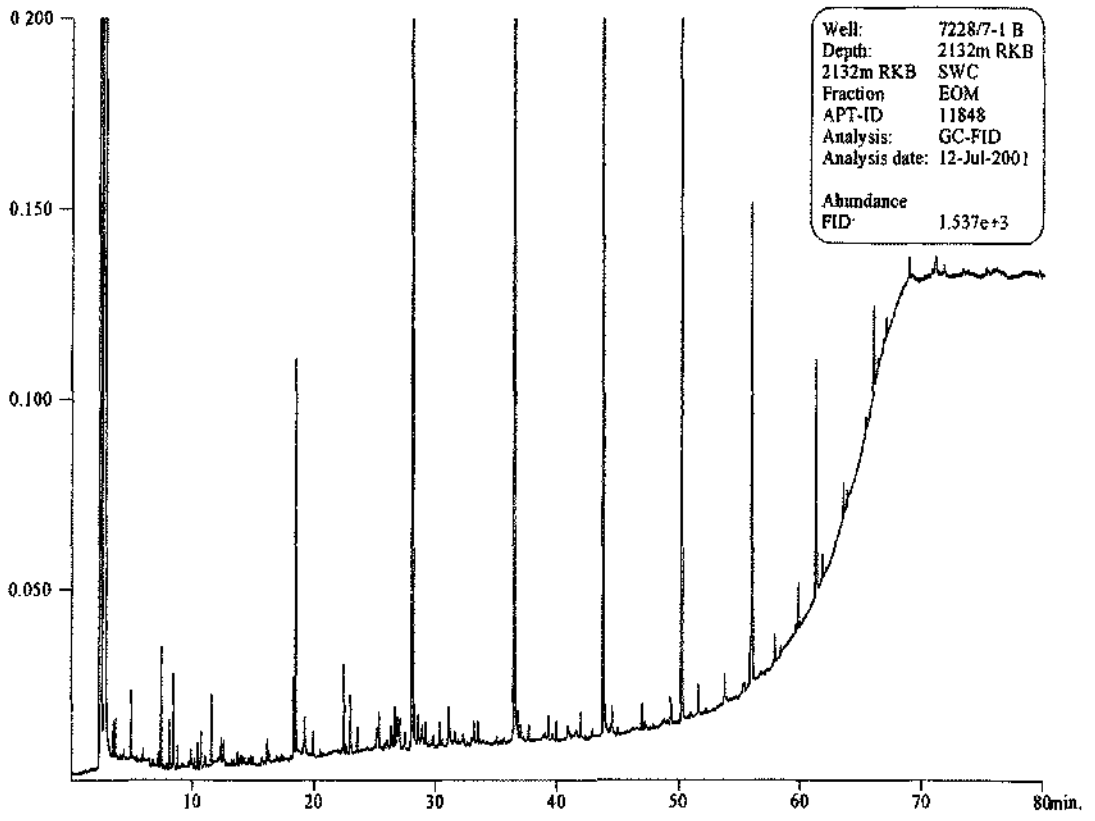
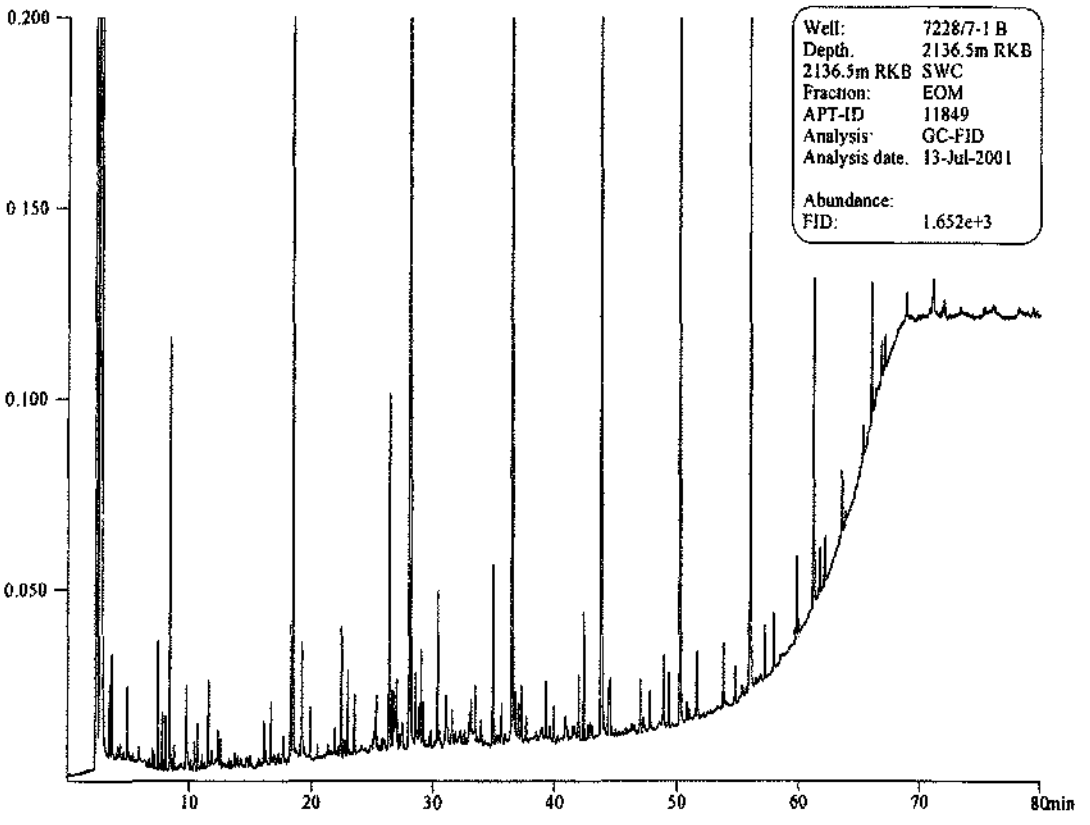
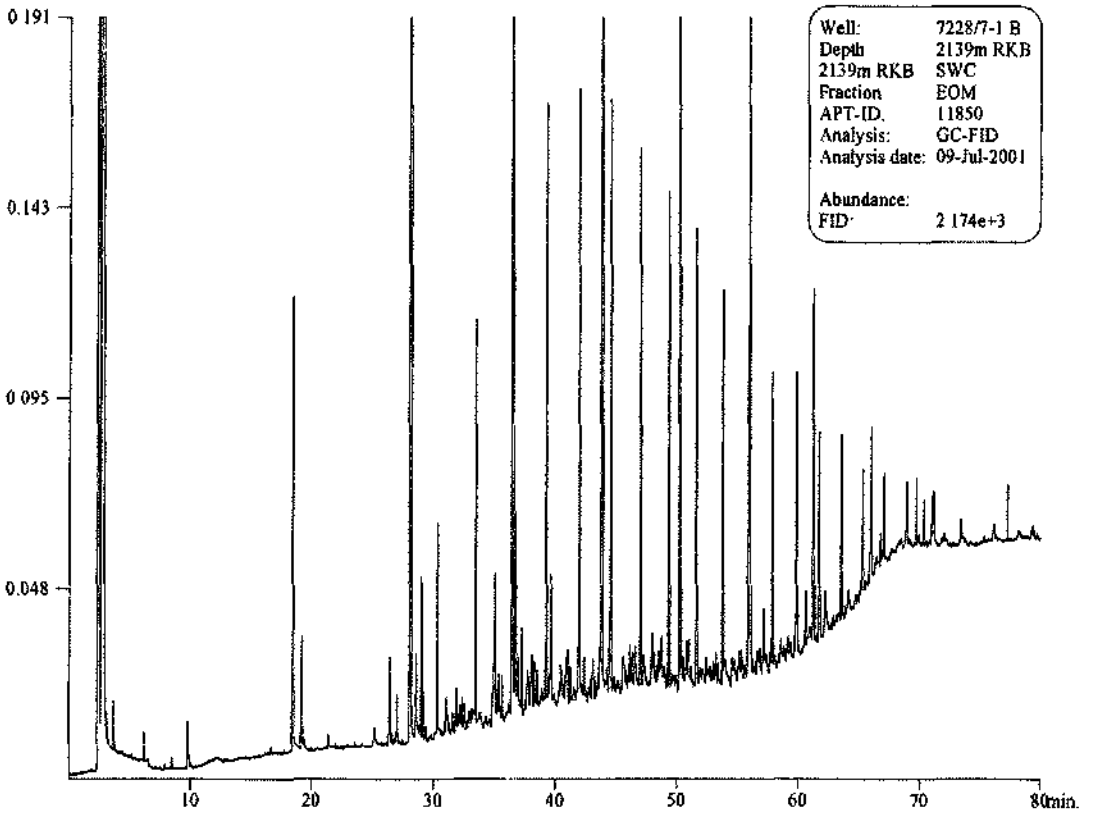
0.150
0.100
0.050
10
20
30
40
50
60
70
80min.

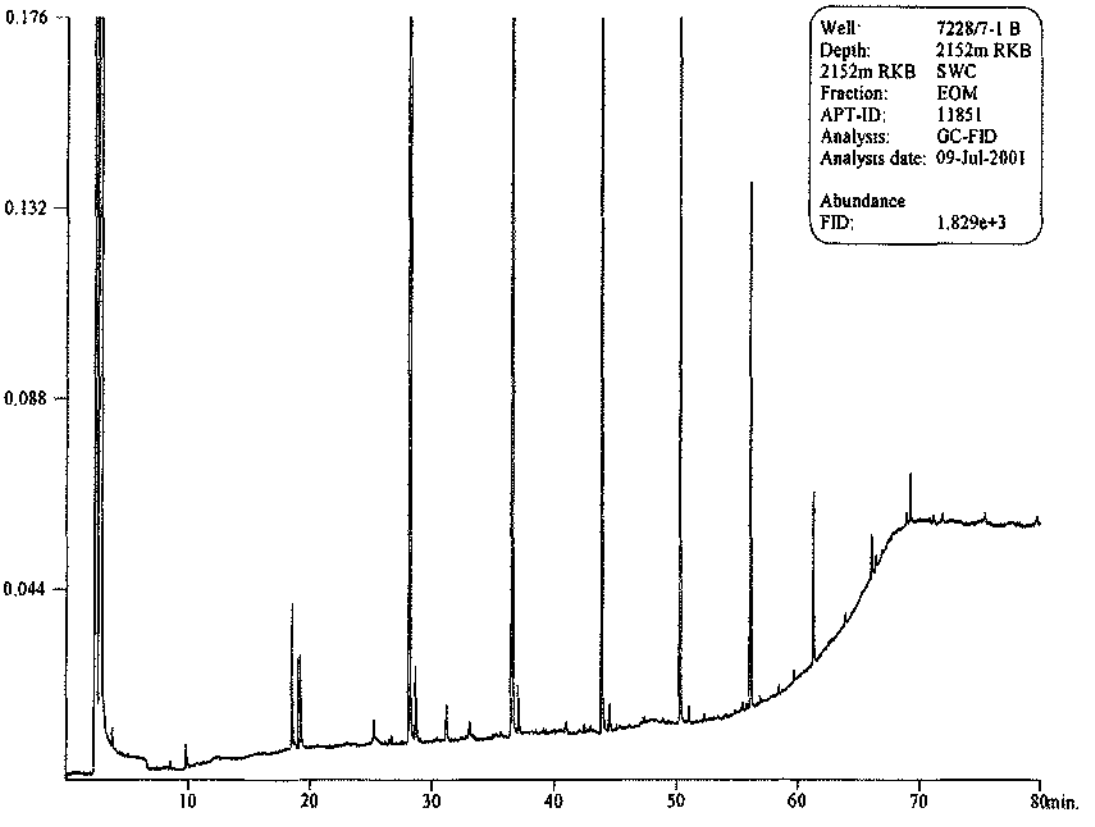

Well: 7228/7-1 ST3
Depth: 1914m RKB
Sample type: DC
Fraction: EOM
APT-ID: 11791
Analysis: GC-FID
Analysis date: 12-Jul-2001
Abundance:
FID: 1.679e+3
0.200
0.150
0.100
0.050
10
20
30
40
50
60
70
80min.

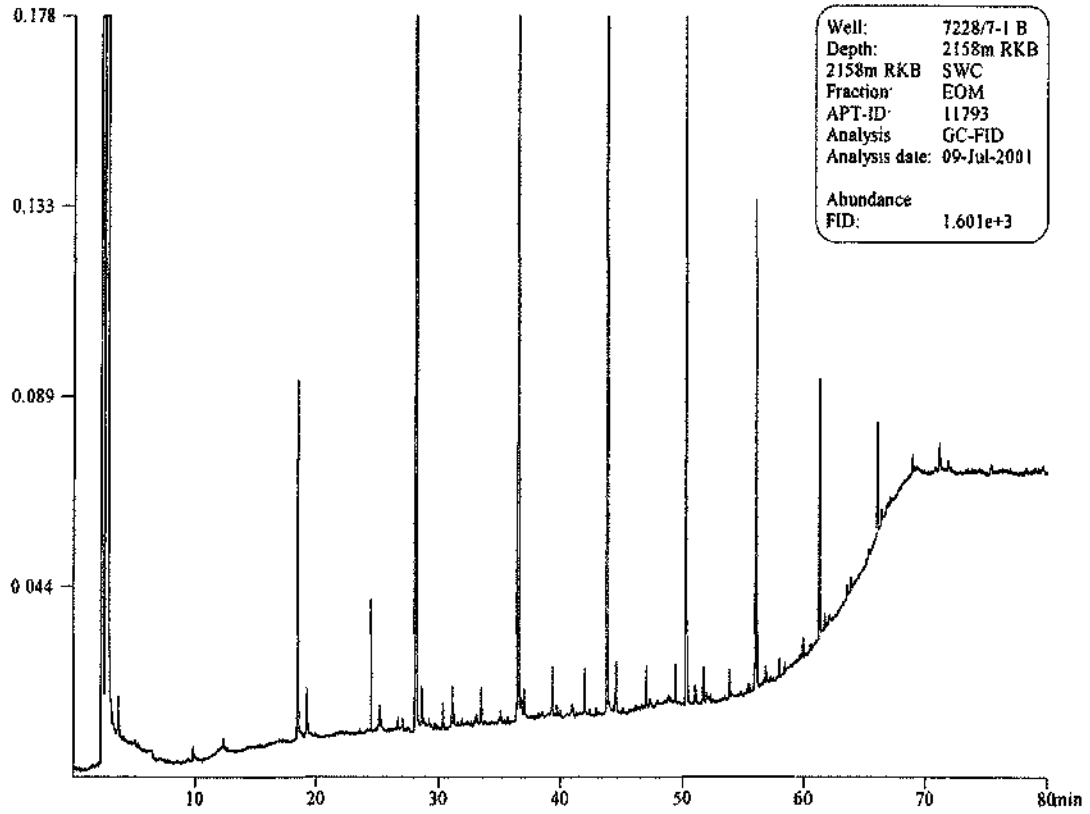

Well: 7228/7-1 B
Depth: 1381.5m RKB
1381.5m RKB SWC
Fraction. EOM
APT-ID 11792
Analysis: GC-FID
Analysis date 12-Jul-2001
Abundance:
FID: 1.706e+3
0.200
0.150
0.100
0.050
10
20
30
40
50
60
70
80min.

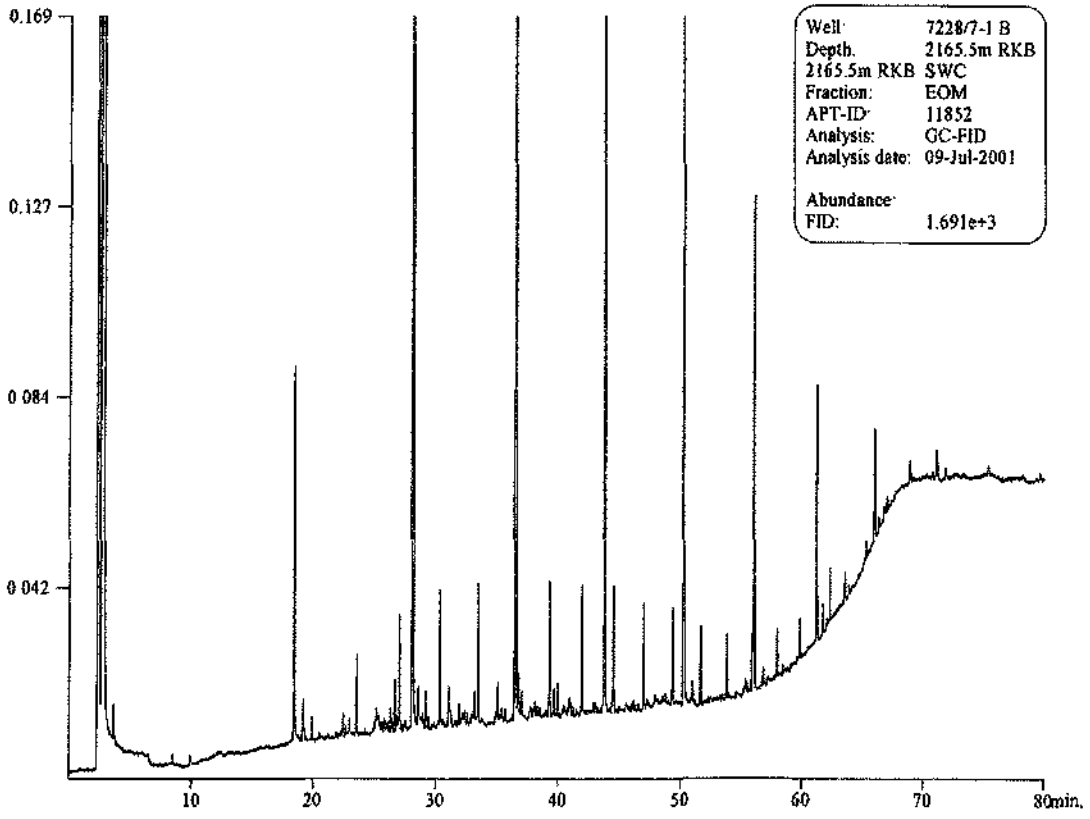

0.200
0.150
0.100
0.050
Well: 7228/7-1 B
Depth: 2132m RKB
2132m RKB SWC
Fraction EOM
APT-ID 11848
Analysis: GC-FID
Analysis date: 12-Jul-2001
Abundance
FID 1.537e+3
10
20
30
40
50
60
70
80min.

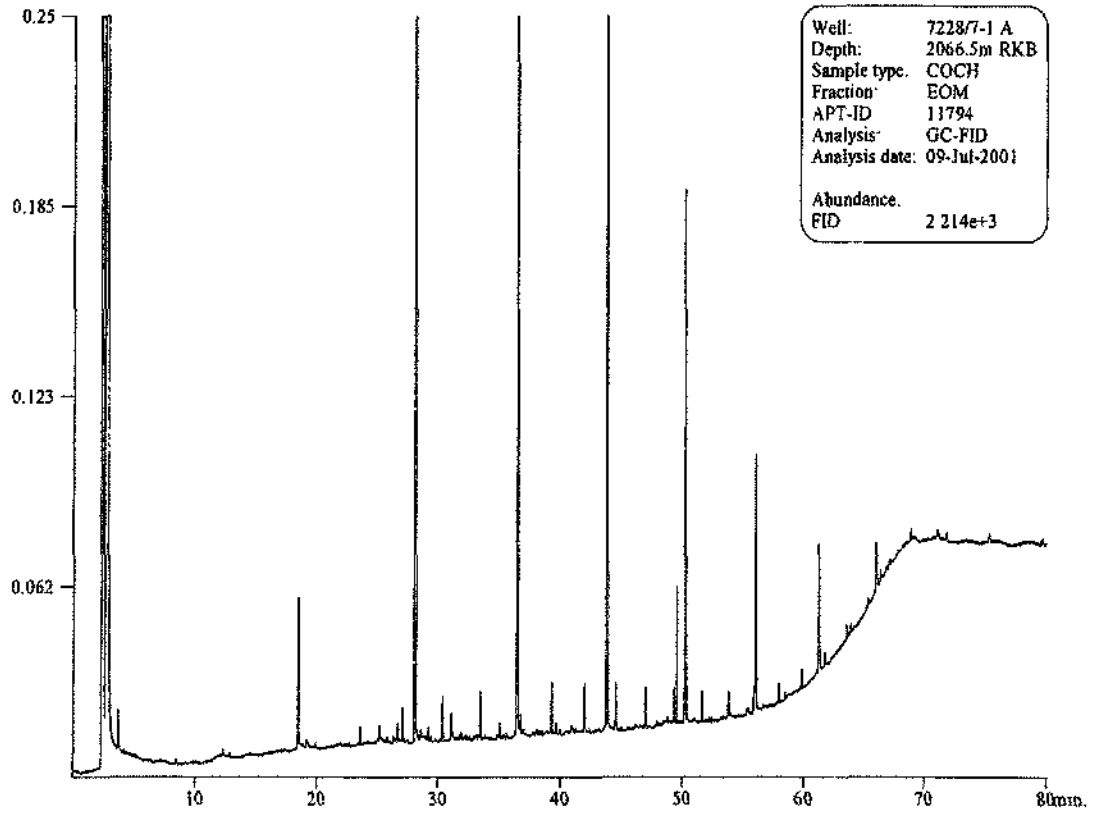

0.200
0.150
0.100
0.050
Well: 7228/7-1 B
Depth: 2136.5m RKB
2136.5m RKB SWC
Fraction: EOM
APT-ID 11849
Analysis GC-FID
Analysis date. 13-Jul-2001
Abundance:
FID: 1.652e+3
10
20
30
40
50
60
70
80min

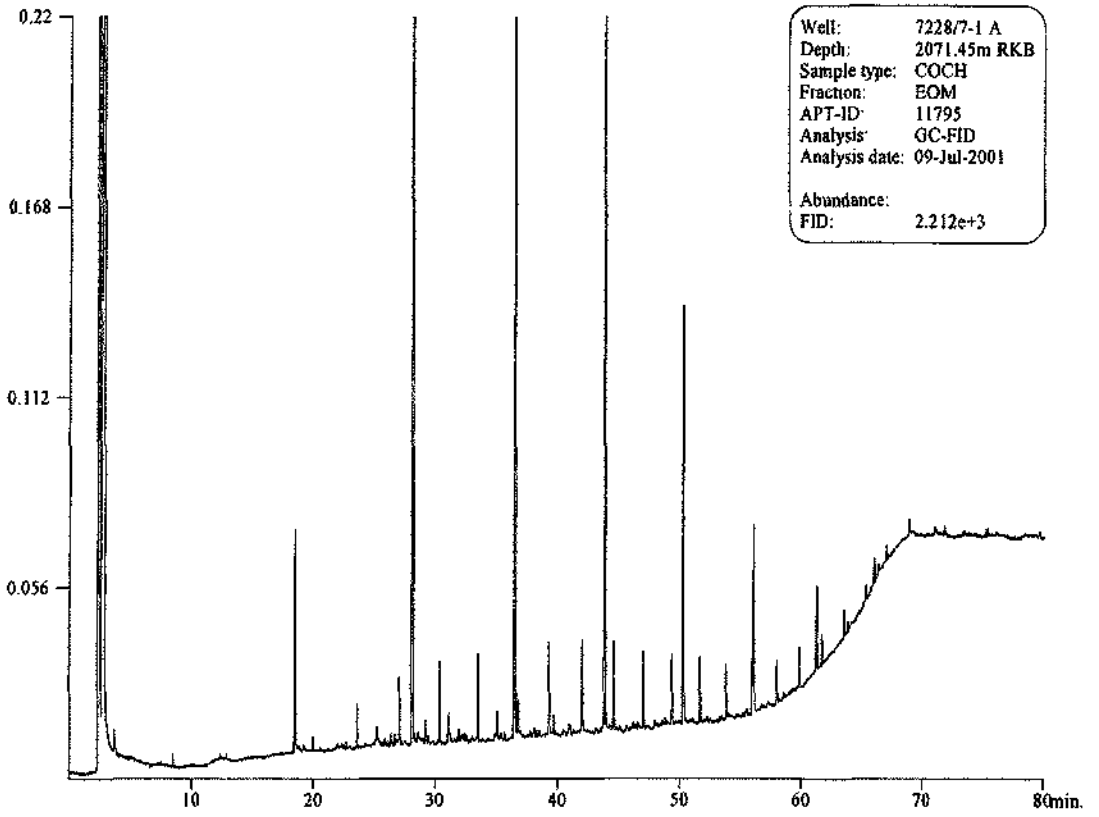

0.191
0.143
0.095
0.048
Well: 7228/7-1 B
Depth 2139m RKB
2139m RKB SWC
Fraction EOM
APT-ID. 11850
Analysis: GC-FID
Analysis date: 09-Jul-2001
Abundance:
FID: 2.174e+3
10
20
30
40
50
60
70
80min.

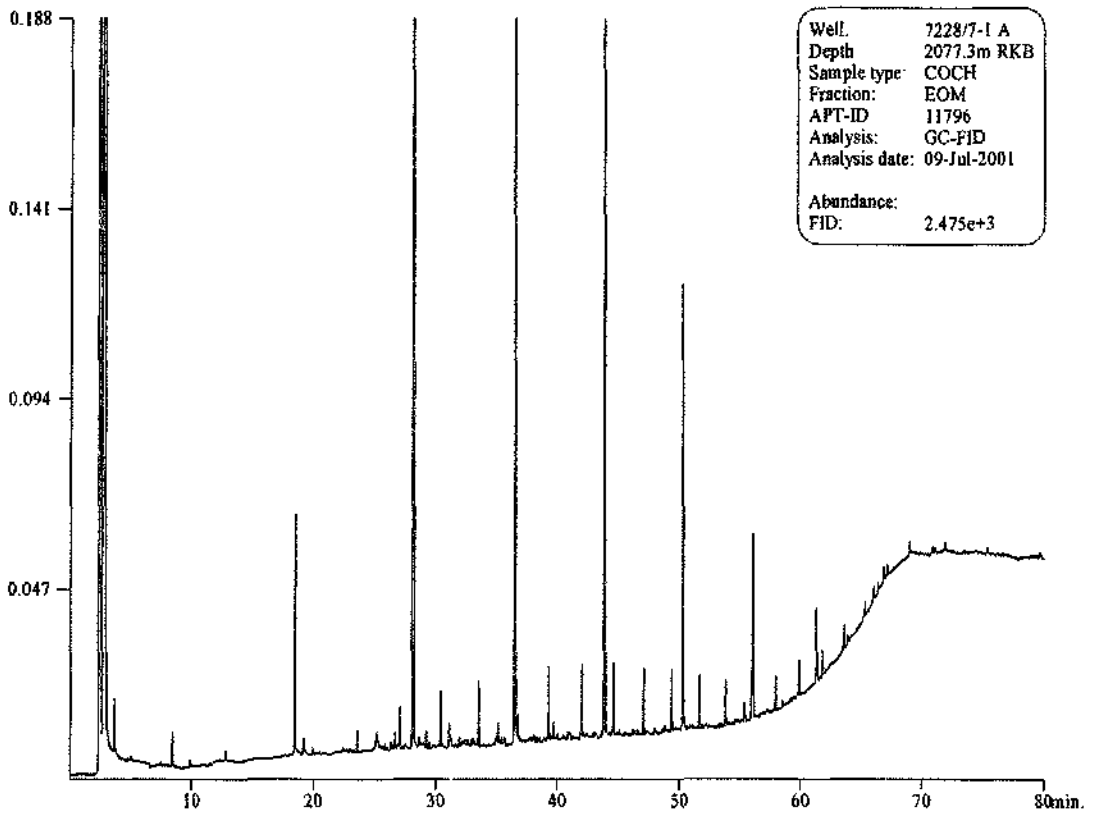

0.176
0.132
0.088
0.044
Well: 7228/7-1 B
Depth: 2152m RKB
2152m RKB SWC
Fraction: EOM
APT-ID: 11851
Analysis: GC-FID
Analysis date: 09-Jul-2001
Abundance
FID: 1.829e+3
10
20
30
40
50
60
70
80min.

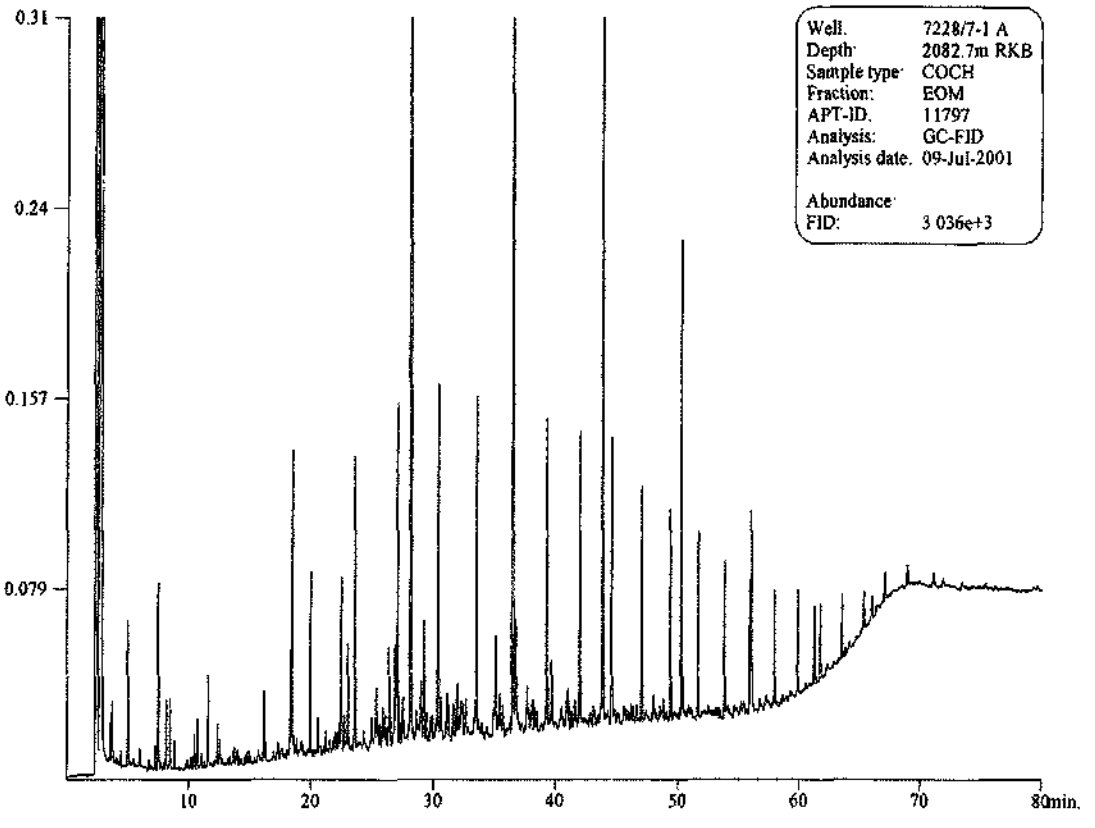

0.178
0.133
0.089
0 044
Well: 7228/7-1 B
Depth: 2158m RKB
2158m RKB SWC
Fraction: EOM
APT-ID: 11793
Analysis GC-FID
Analysis date: 09-Jul-2001
Abundance
FID: 1.601e+3
10
20
30
40
50
60
70
80min

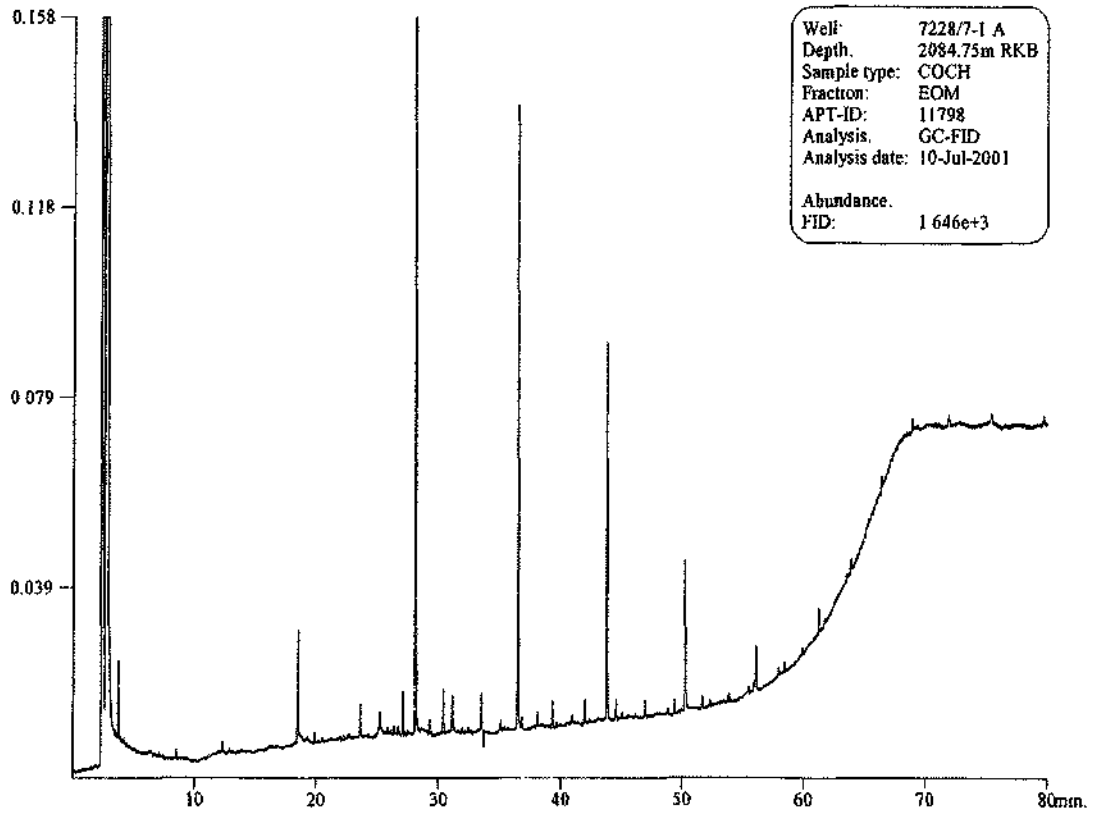

0.169
0.127
0 084
0 042
Well: 7228/7-1 B
Depth: 2165.5m RKB
2165.5m RKB SWC
Fraction: EOM
APT-ID: 11852
Analysis: GC-FID
Analysis date: 09-Jul-2001
Abundance
FID: 1.691e+3
10
20
30
40
50
60
70
80min.

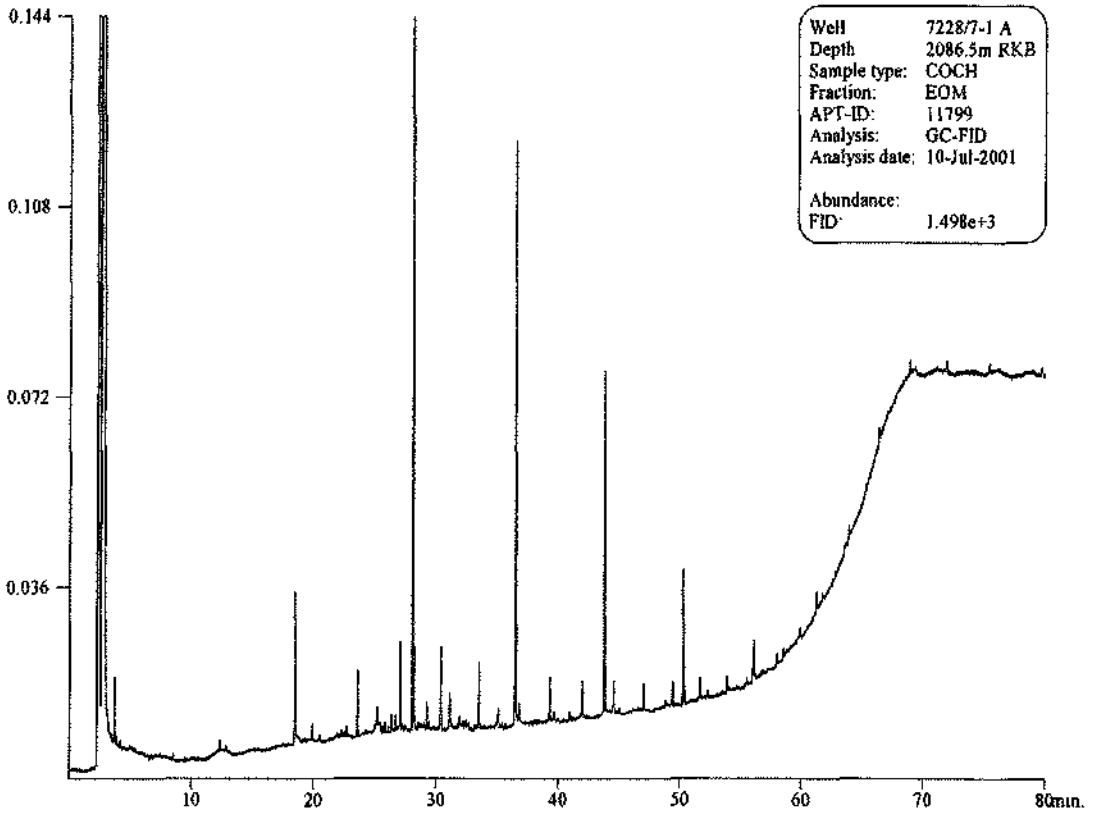

0.25
0.185
0.123
0.062
Well: 7228/7-1 A
Depth: 2066.5m RKB
Sample type. COCH
Fraction EOM
APT-ID 11794
Analysis GC-FID
Analysis date: 09-Jul-2001
Abundance.
FID 2.214e+3
10
20
30
40
50
60
70
80min.

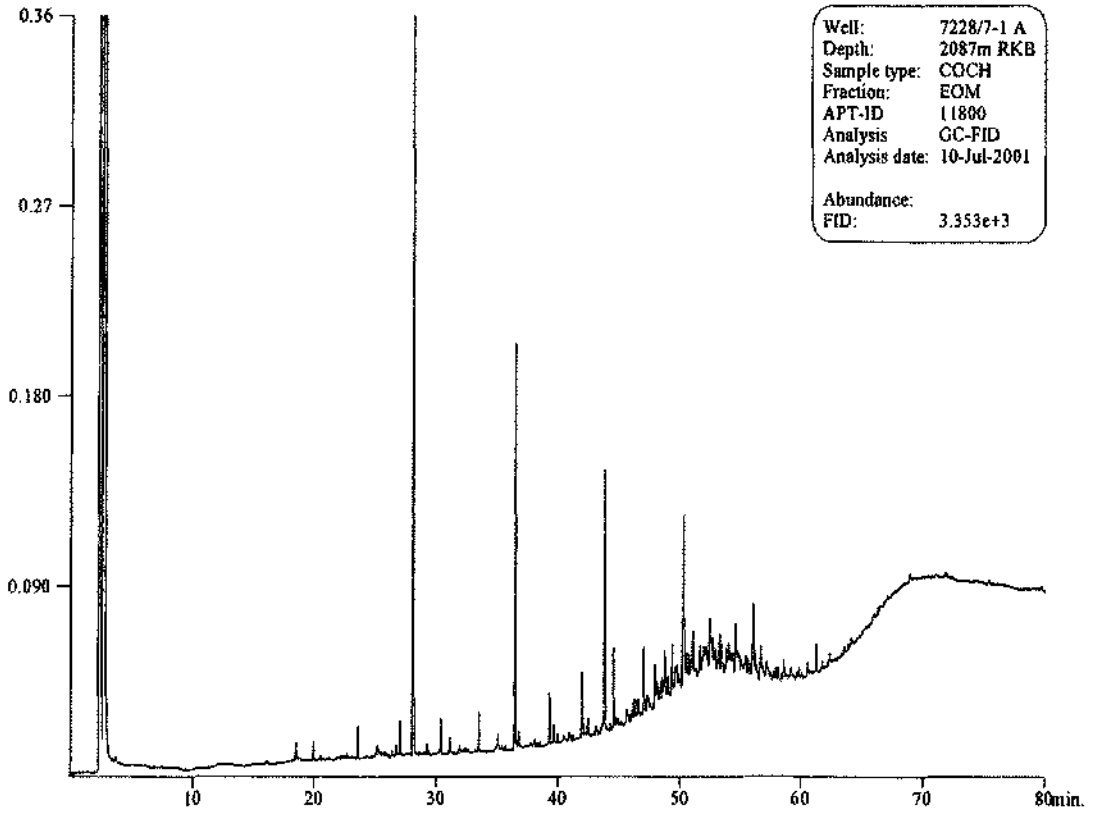

0.22
0.168
0.112
0.056
Well: 7228/7-1 A
Depth: 2071.45m RKB
Sample type: COCH
Fraction: EOM
APT-ID 11795
Analysis GC-FID
Analysis date: 09-Jul-2001
Abundance:
FID: 2.212e+3
10
20
30
40
50
60
70
80min.

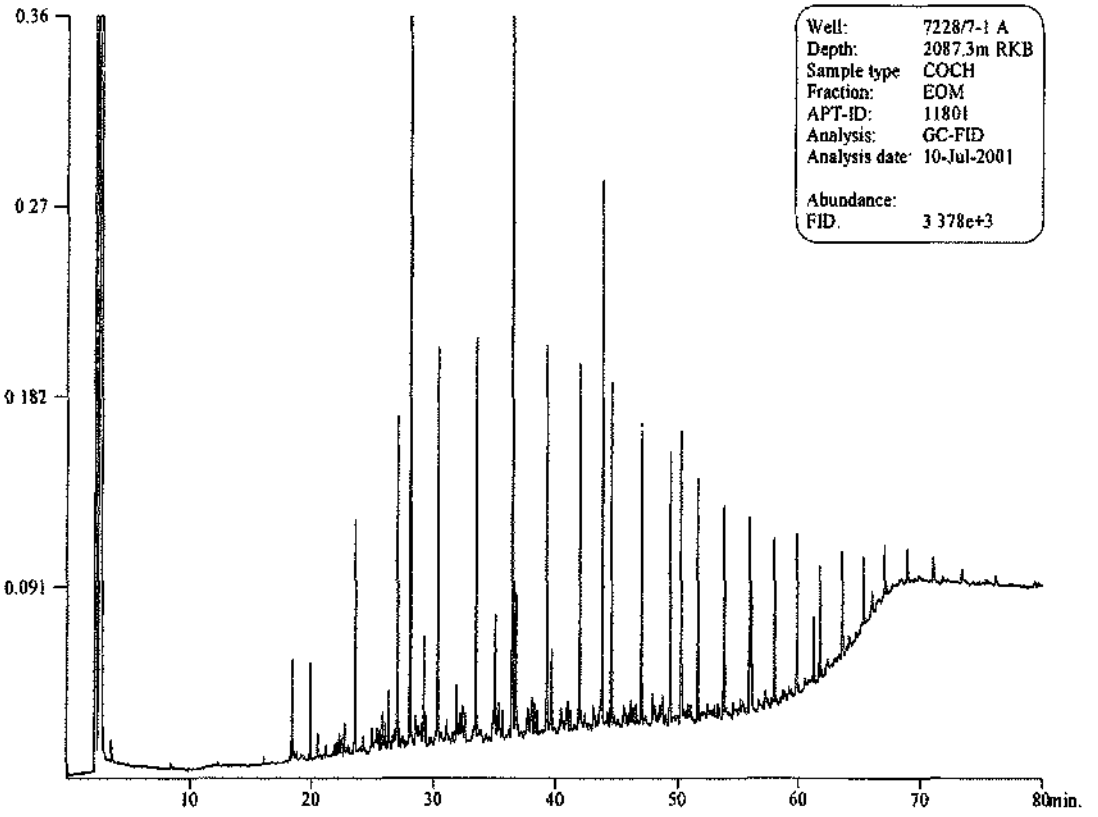

0.188
0.141
0.094
0.047
Well. 7228/7-1 A
Depth 2077.3m RKB
Sample type COCH
Fraction: EOM
APT-ID 11796
Analysis: GC-FID
Analysis date: 09-Jul-2001
Abundance:
FID: 2.475e+3
10
20
30
40
50
60
70
80min.

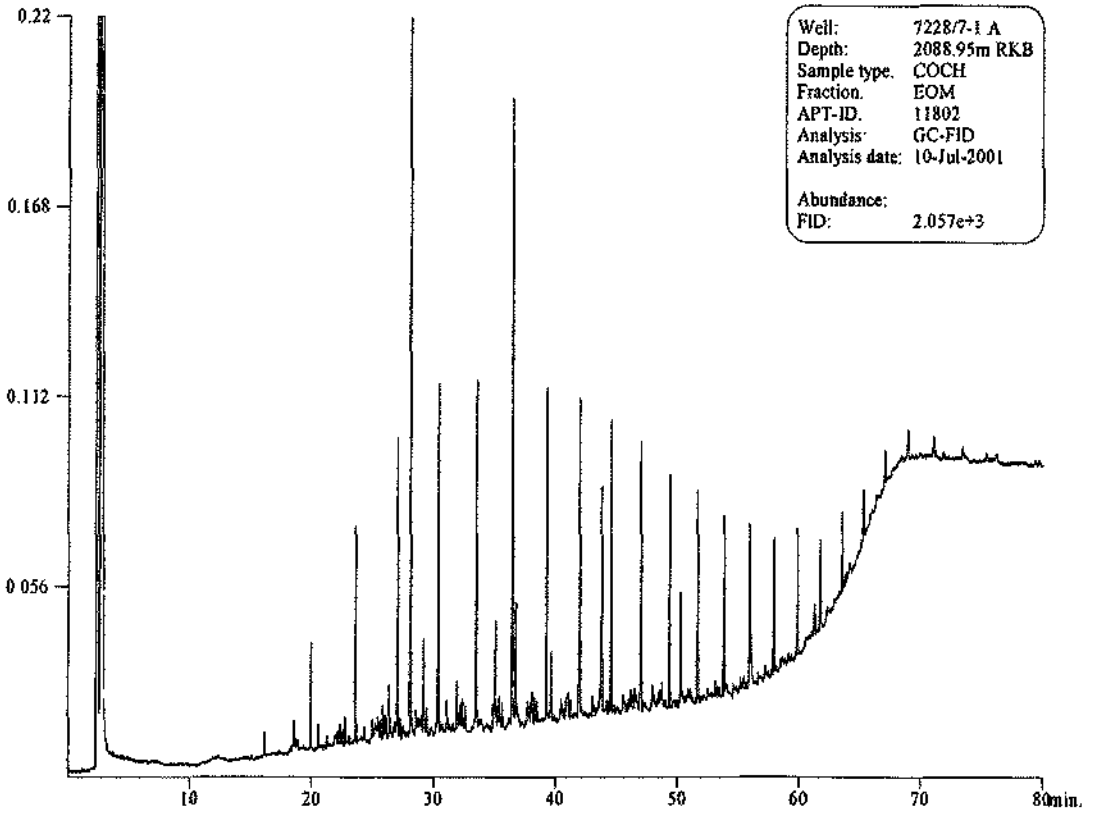

0.31
0.24
0.157
0.079
Well. 7228/7-1 A
Depth 2082.7m RKB
Sample type COCH
Fraction: EOM
APT-ID 11797
Analysis: GC-FID
Analysis date. 09-Jul-2001
Abundance
FID: 3.036e+3
10
20
30
40
50
60
70
80min.

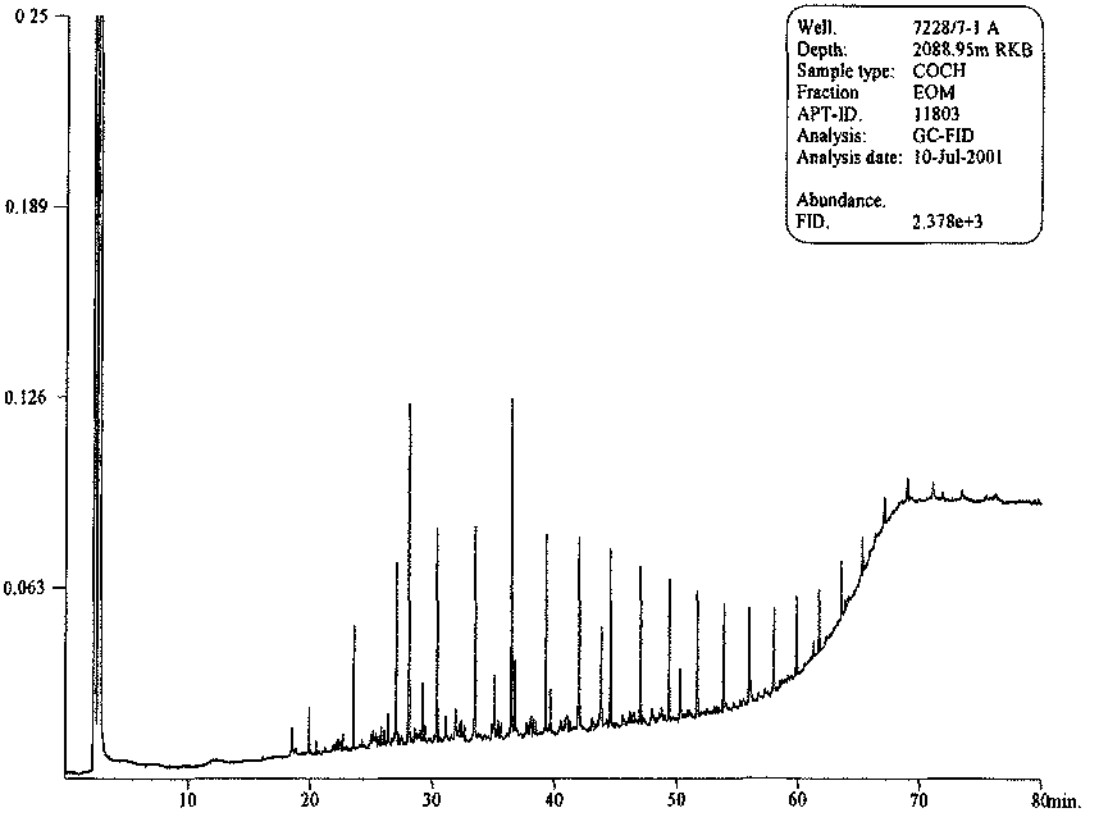

0.158
0.118
0.079
0.039
Well: 7228/7-1 A
Depth. 2084.75m RKB
Sample type: COCH
Fraction: EOM
APT-ID: 11798
Analysis. GC-FID
Analysis date: 10-Jul-2001
Abundance.
FID: 1.646e+3
10
20
30
40
50
60
70
80min.

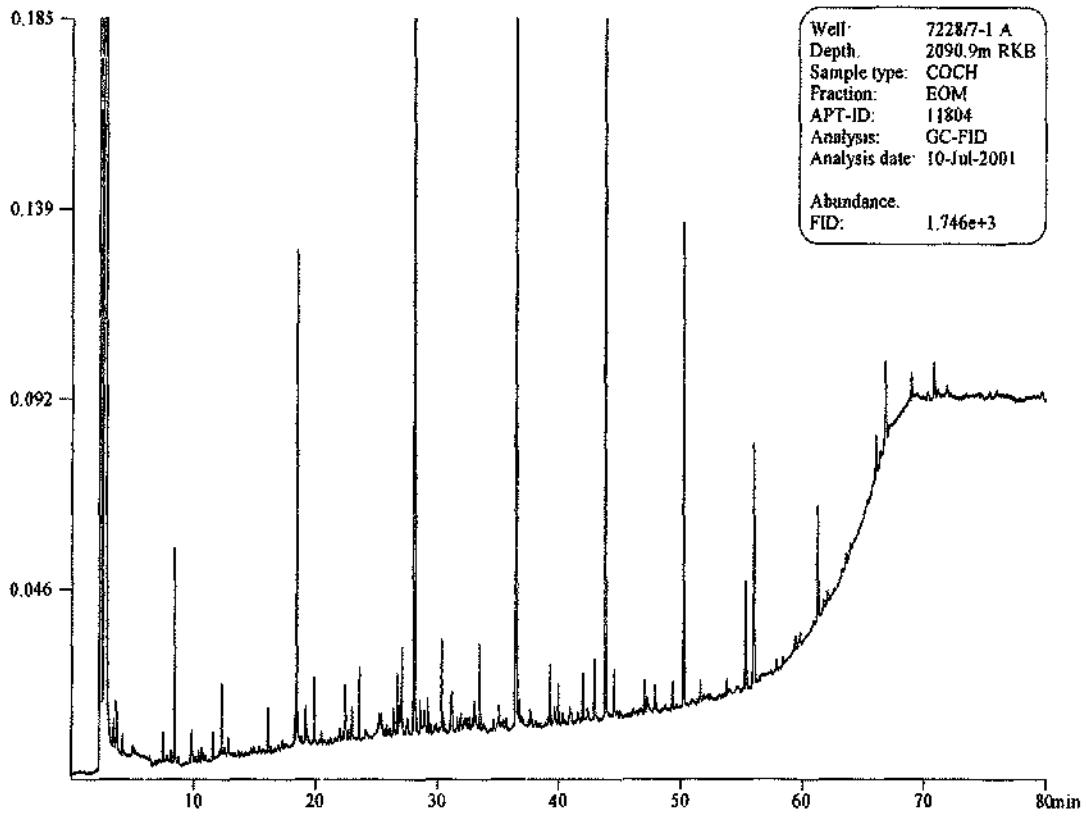

0.144
0.108
0.072
0.036
Well 7228/7-1 A
Depth 2086.5m RKB
Sample type: COCH
Fraction: EOM
APT-ID: 11799
Analysis: GC-FID
Analysis date: 10-Jul-2001
Abundance:
FID: 1.498e+3
10
20
30
40
50
60
70
80min.

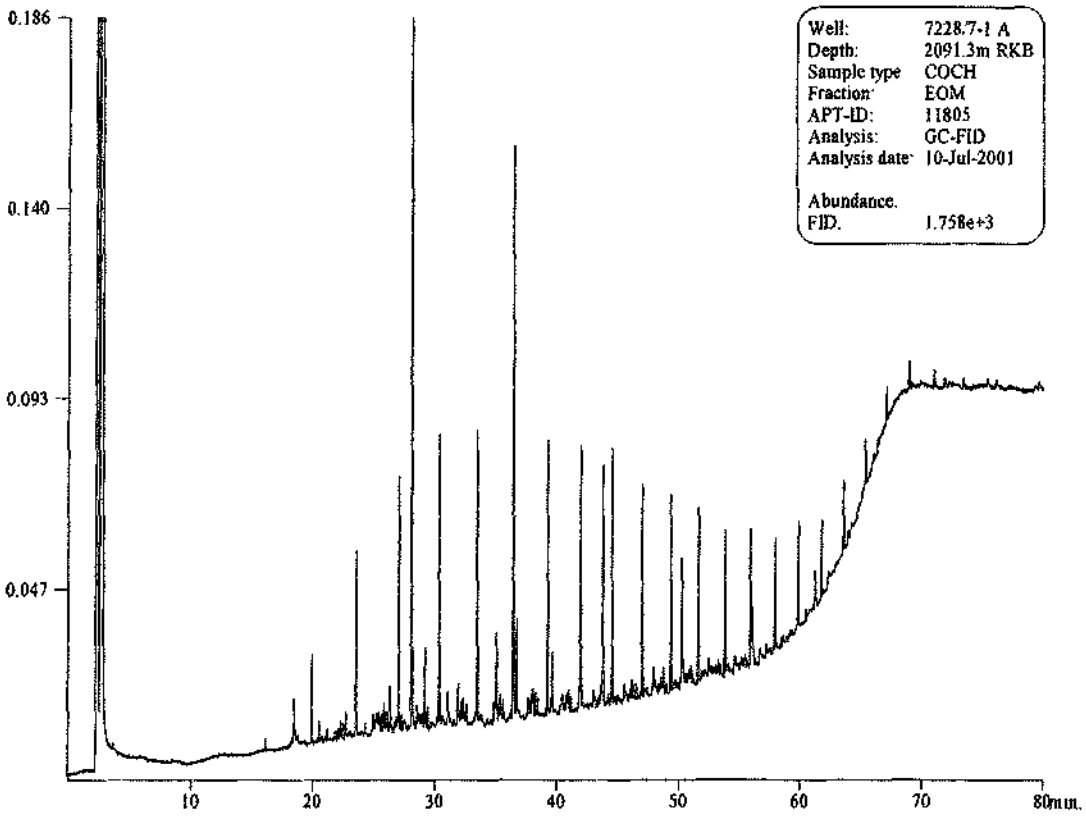

0.36
0.27
0.180
0.090
Well: 7228/7-1 A
Depth: 2087m RKB
Sample type: COCH
Fraction: EOM
APT-ID 11800
Analysis GC-FID
Analysis date: 10-Jul-2001
Abundance:
FID: 3.353e+3
10
20
30
40
50
60
70
80min.

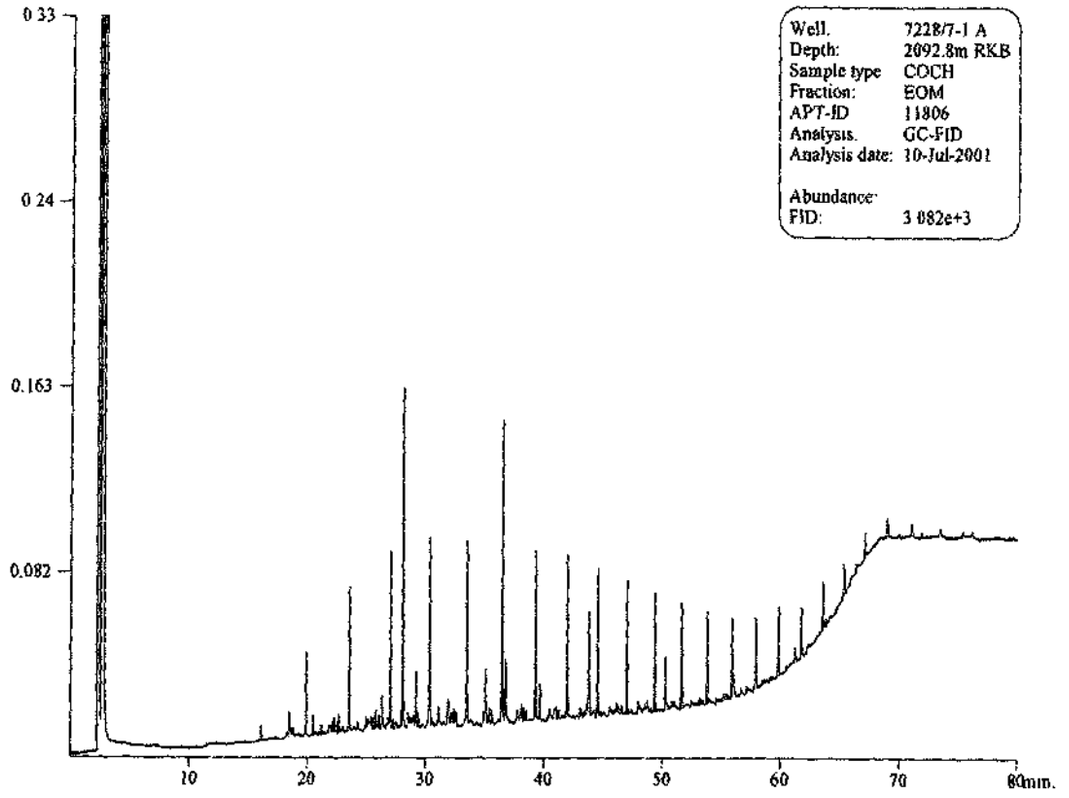

0.36
0 27
0 182
0.091
Well: 7228/7-1 A
Depth: 2087.3m RKB
Sample type COCH
Fraction: EOM
APT-ID: 11801
Analysis: GC-FID
Analysis date: 10-Jul-2001
Abundance:
FID. 3 378e+3
10
20
30
40
50
60
70
80min.

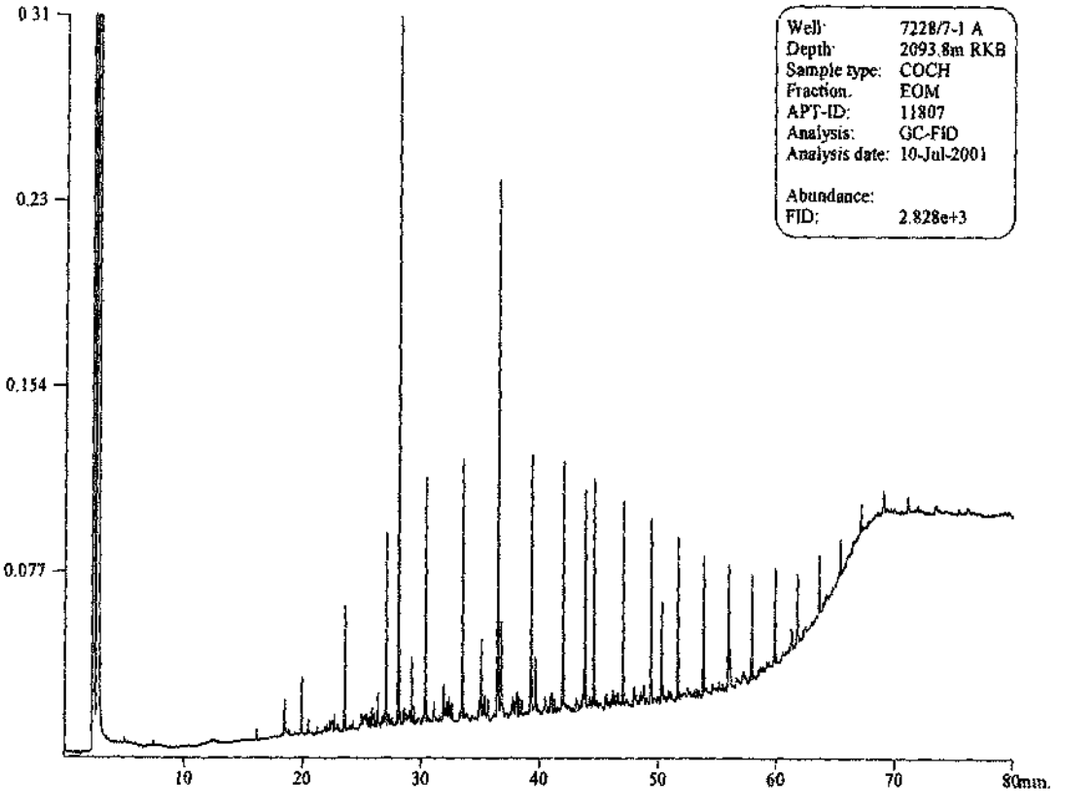

0.22
0.168
0.112
0 056
10
20
30
40
50
60
70
80min.
Well: 7228/7-1 A
Depth: 2088.95m RKB
Sample type. COCH
Fraction. EOM
APT-ID. 11802
Analysis: GC-FID
Analysis date: 10-Jul-2001
Abundance:
FID: 2.057e+3

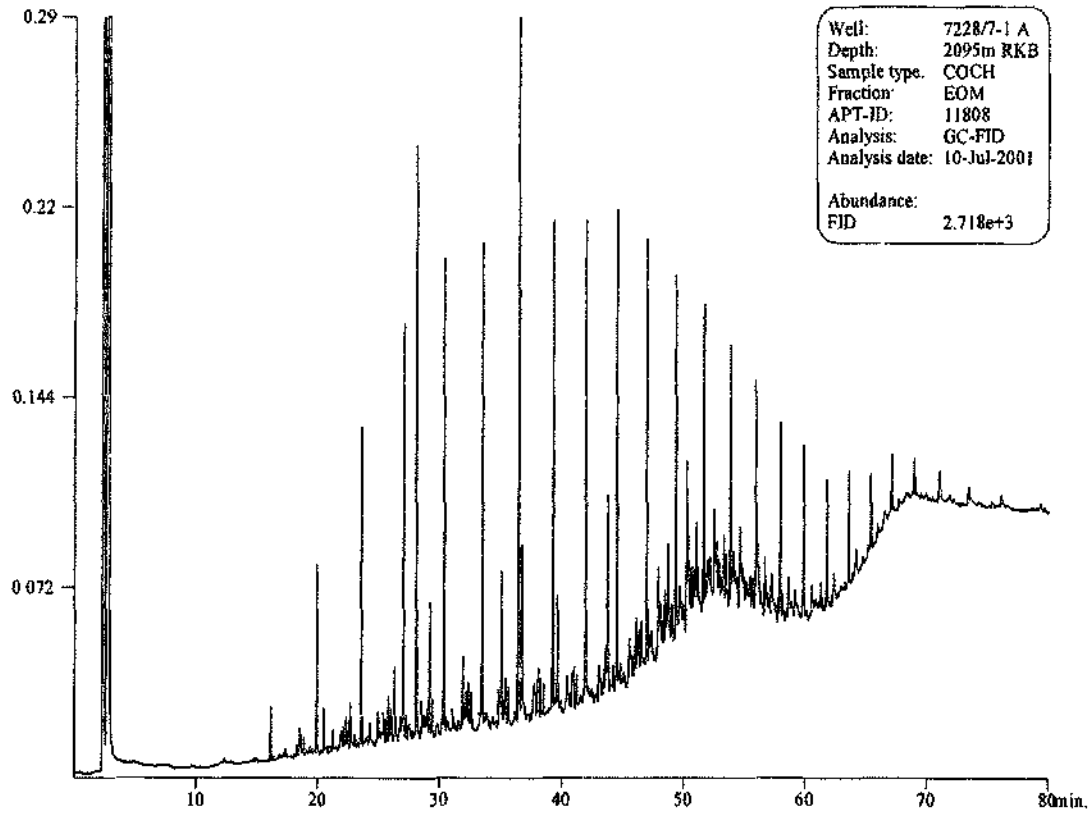

0 25
0.189
0.126
0.063
10
20
30
40
50
60
70
80min.
Well. 7228/7-1 A
Depth: 2088.95m RKB
Sample type: COCH
Fraction EOM
APT-ID. 11803
Analysis: GC-FID
Analysis date: 10-Jul-2001
Abundance.
FID. 2.378e+3

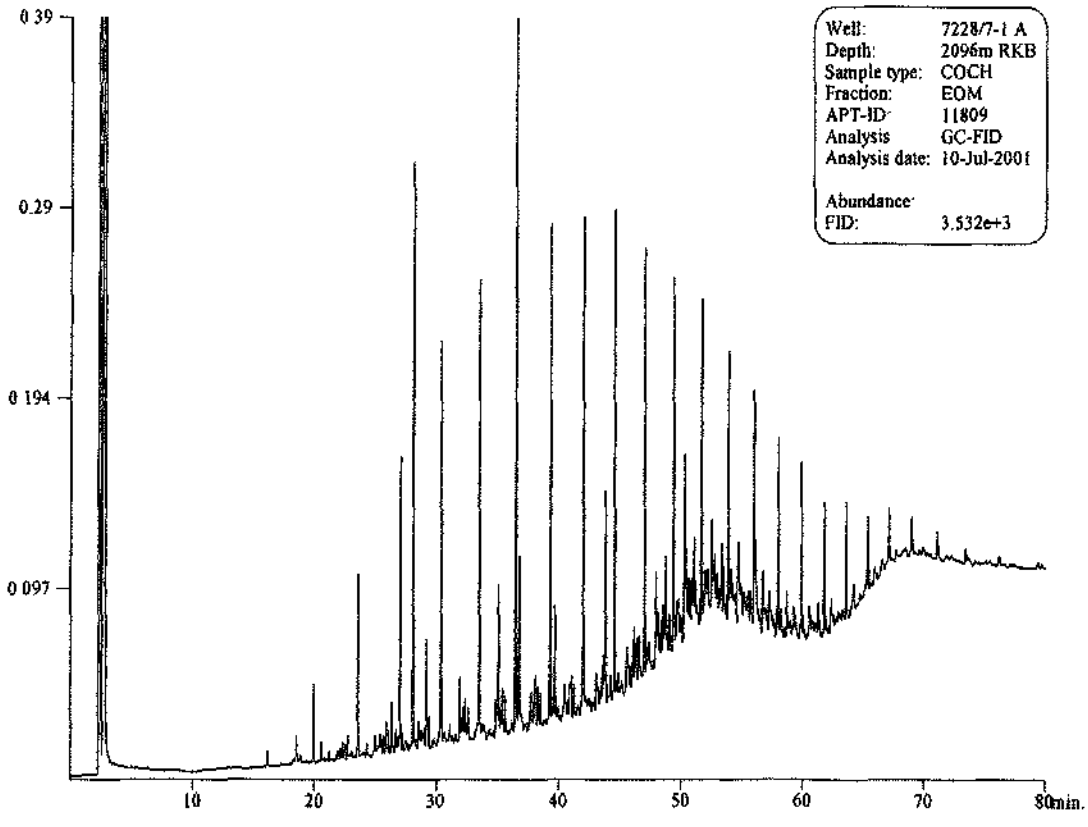

0.185
0.139
0.092
0.046
Well: 7228/7-1 A
Depth: 2090.9m RKB
Sample type: COCH
Fraction: EOM
APT-ID: 11804
Analysis: GC-FID
Analysis date: 10-Jul-2001
Abundance.
FID: 1.746e+3
10
20
30
40
50
60
70
80min

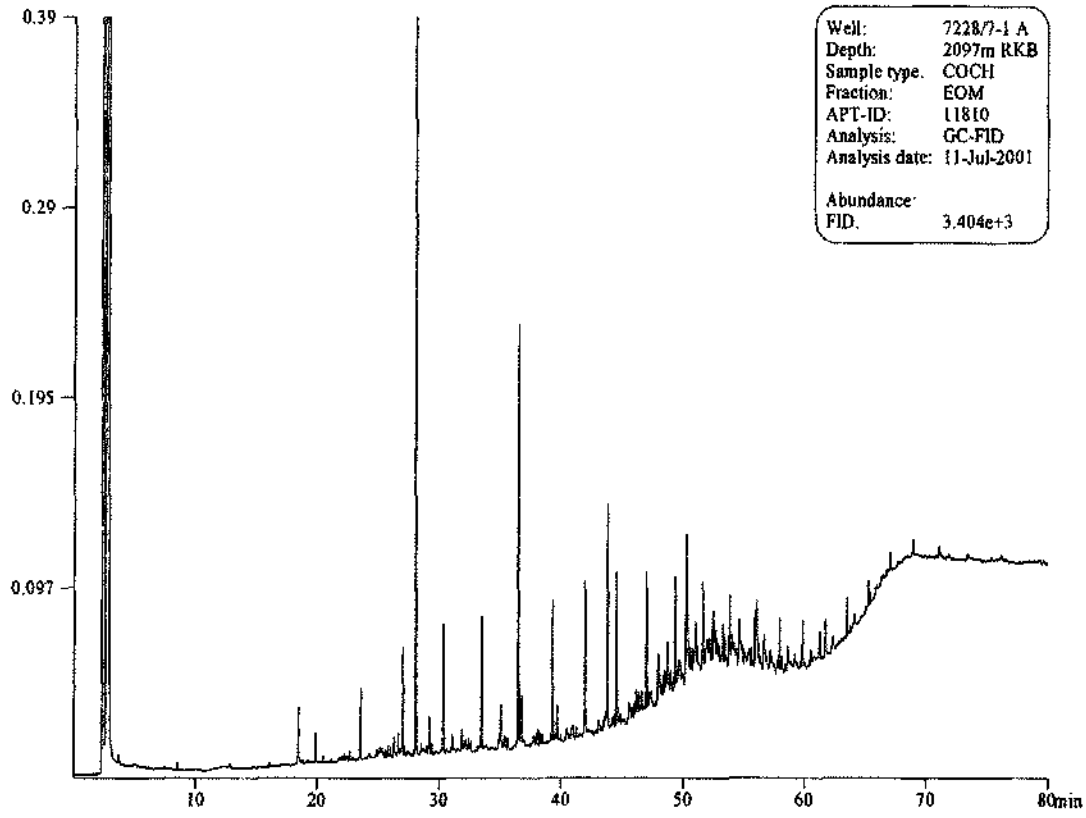

0.186
0.140
0.093
0.047
Well: 7228/7-1 A
Depth: 2091.3m RKB
Sample type COCH
Fraction: EOM
APT-ID: 11805
Analysis: GC-FID
Analysis date: 10-Jul-2001
Abundance.
FID. 1.758e+3
10
20
30
40
50
60
70
80min.

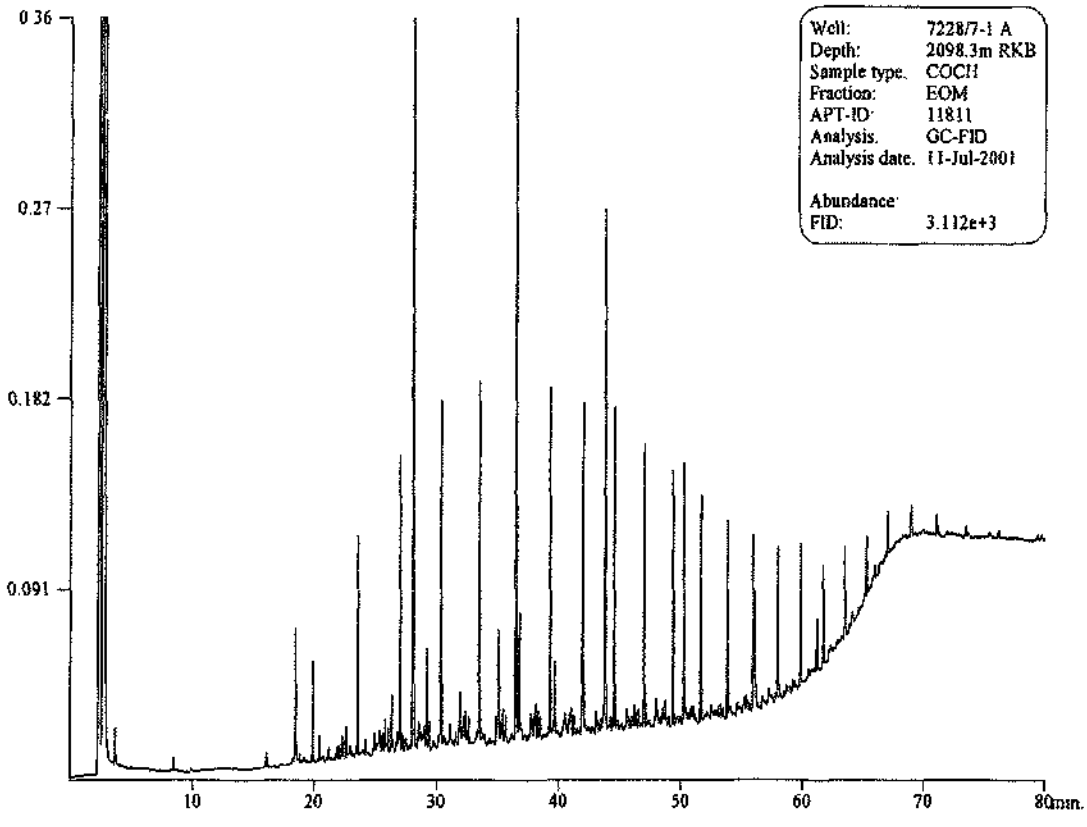

0 33
0 24
0.163
0.082
10
20
30
40
50
60
70
80min.
Well. 7228/7-1 A
Depth: 2092.8m RKB
Sample type COCH
Fraction: EOM
APT-ID 11806
Analysis. GC-FID
Analysis date: 10-Jul-2001
Abundance
FID: 3 082e+3

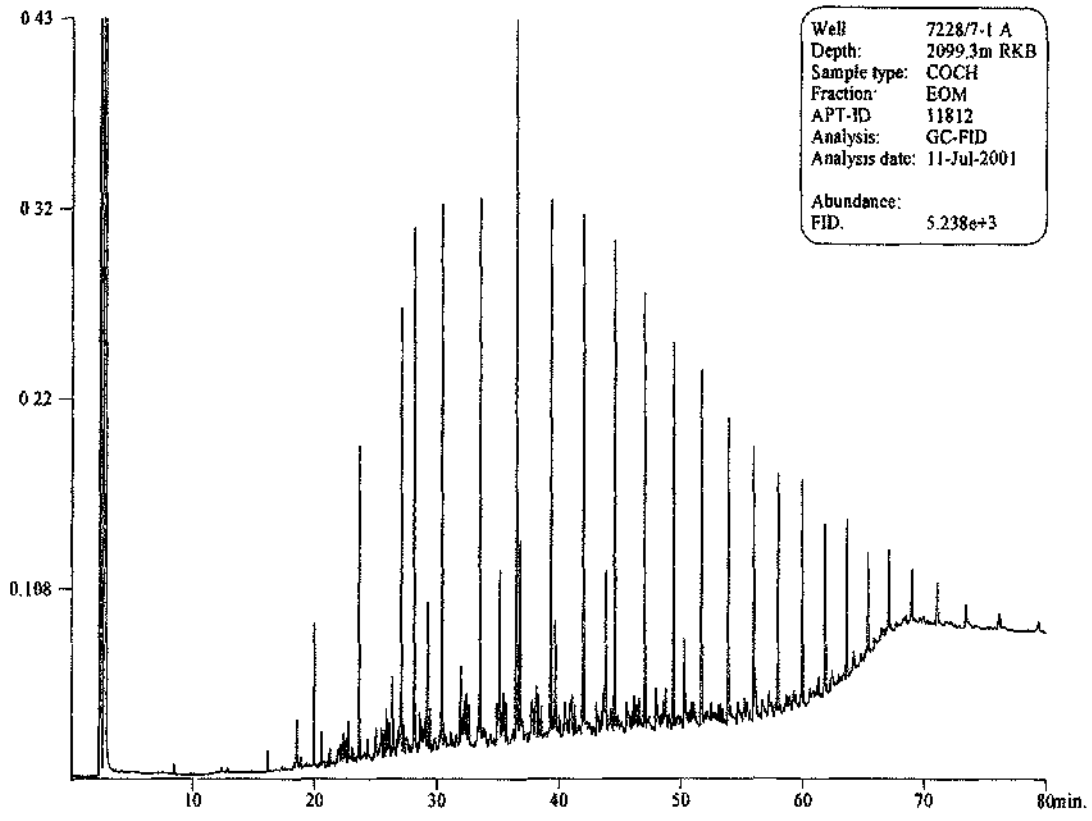

0 31
0.23
0.154
0.077
10
20
30
40
50
60
70
80mm.
Well 7228/7-1 A
Depth 2093.8m RKB
Sample type: COCH
Fraction. EOM
APT-ID: 11807
Analysis: GC-FID
Analysis date: 10-Jul-2001
Abundance:
FID: 2.828e+3

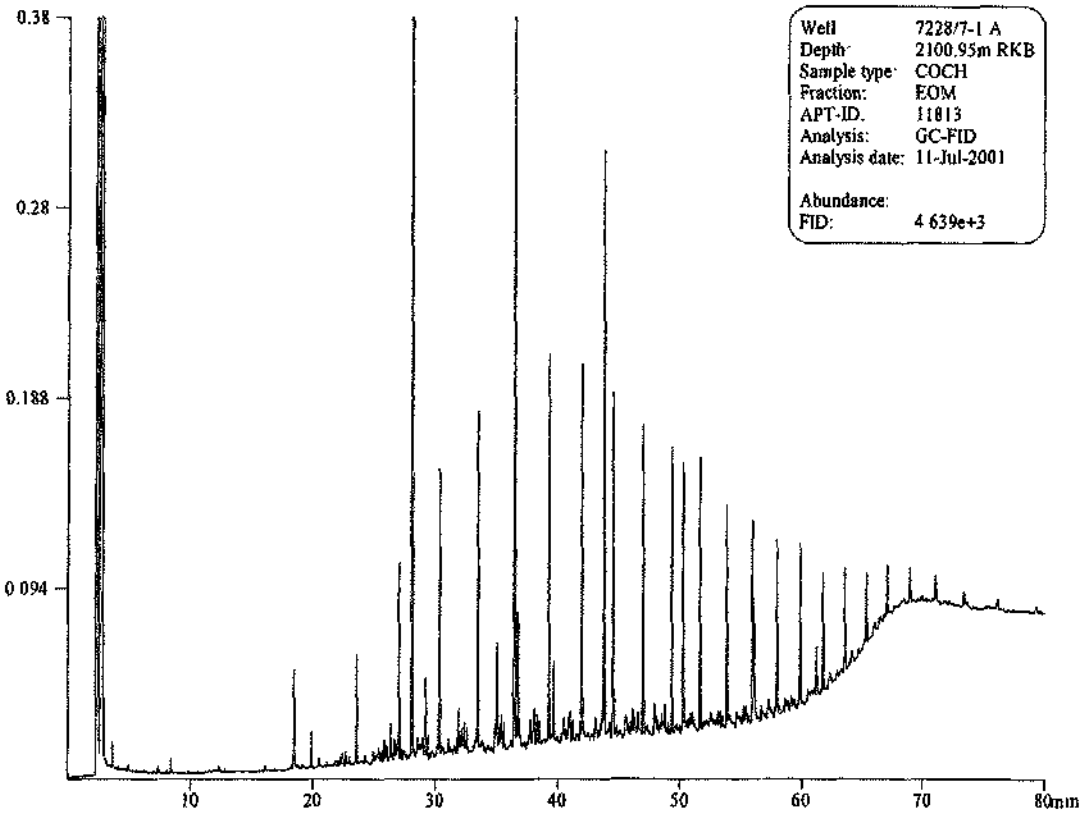

0.29
0.22
0.144
0 072
Well: 7228/7-1 A
Depth: 2095m RKB
Sample type: COCH
Fraction: EOM
APT-ID: 11808
Analysis: GC-FID
Analysis date: 10-Jul-2001
Abundance:
FID 2.718e+3
10
20
30
40
50
60
70
80min.

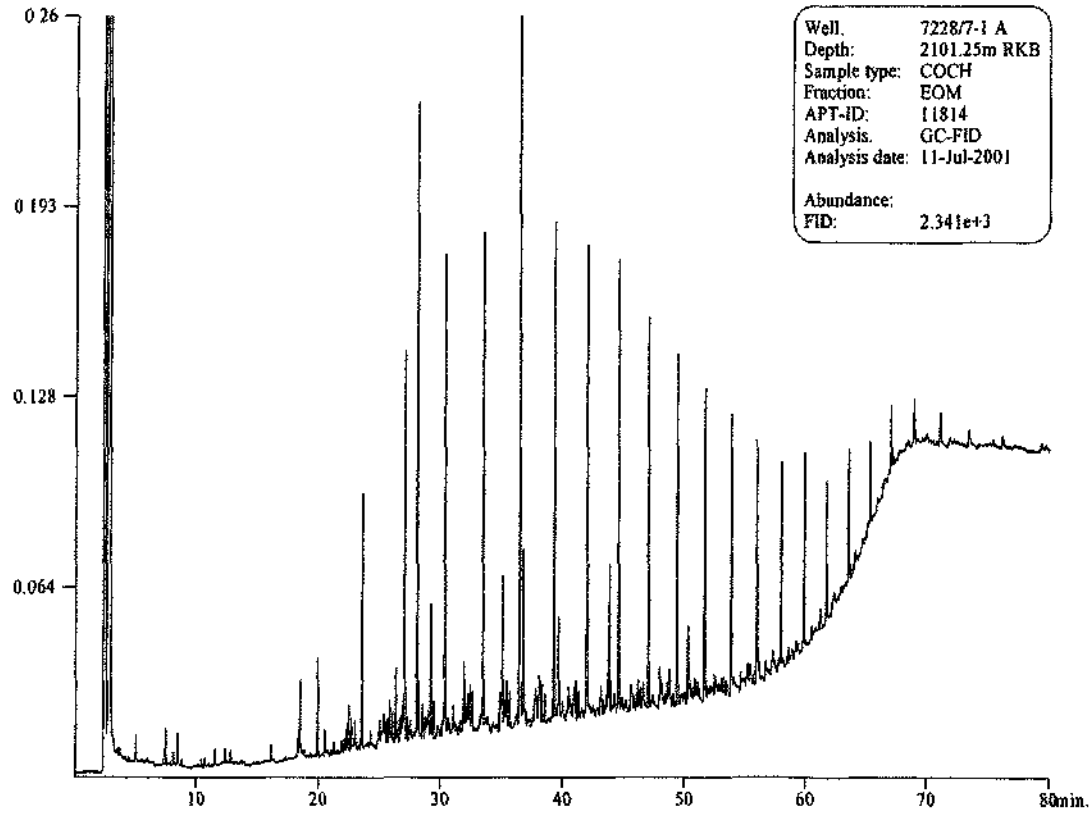

0 39
0.29
0 194
0 097
Well: 7228/7-1 A
Depth: 2096m RKB
Sample type: COCH
Fraction: EOM
APT-ID: 11809
Analysis GC-FID
Analysis date: 10-Jul-2001
Abundance
FID: 3.532e+3
10
20
30
40
50
60
70
80min.

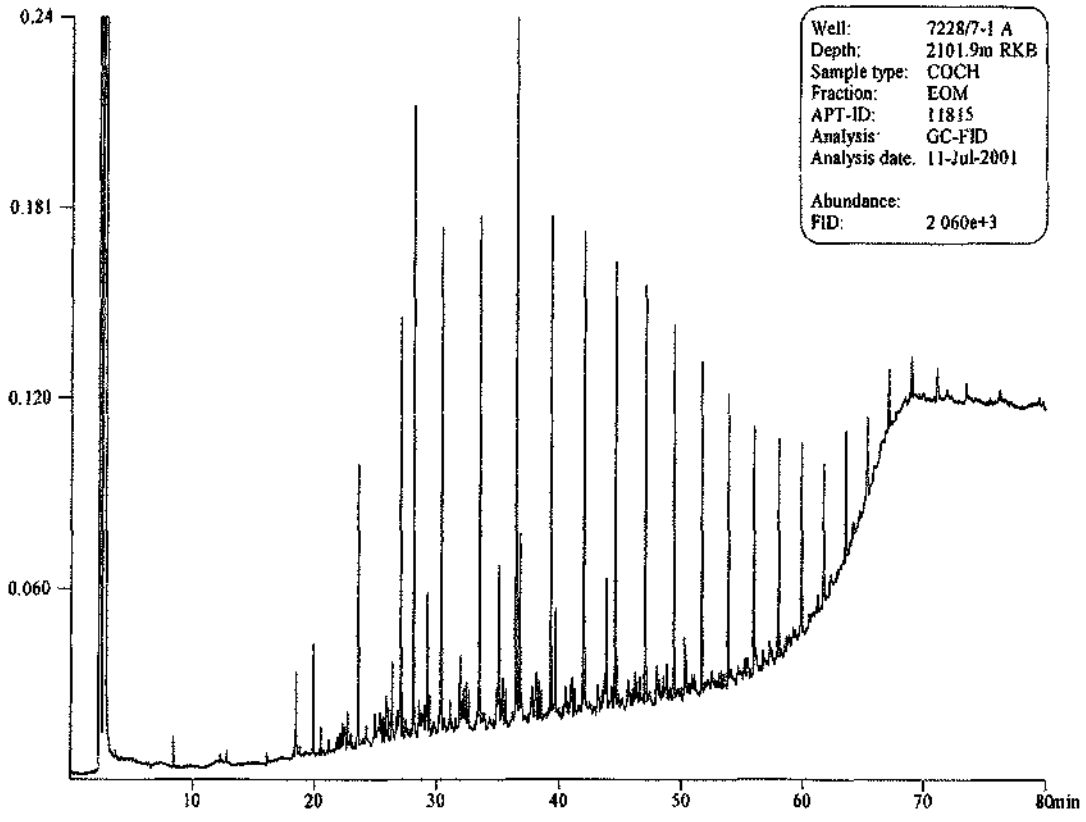

Well: 7228/7-1 A
Depth: 2097m RKB
Sample type. COCH
Fraction: EOM
APT-ID: 11810
Analysis: GC-FID
Analysis date: 11-Jul-2001
Abundance
FID. 3.404e+3
0.39
0.29
0.195
0.097
10
20
30
40
50
60
70
80min

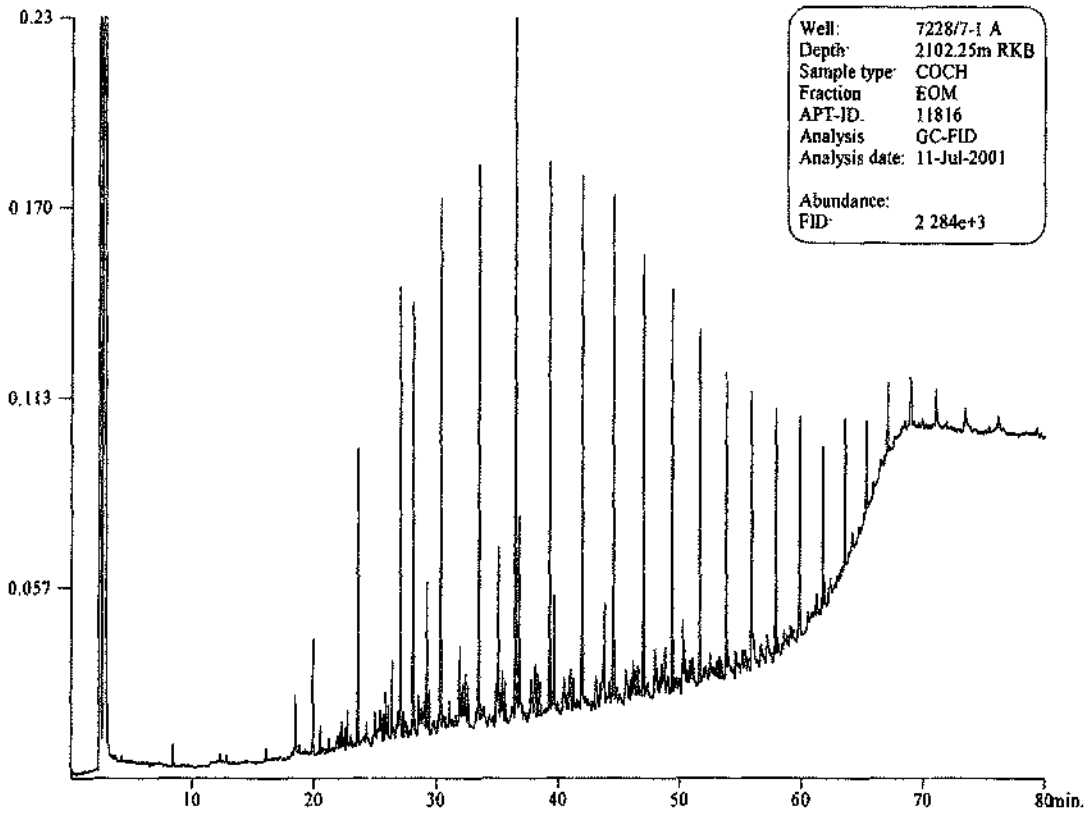

Well: 7228/7-1 A
Depth: 2098.3m RKB
Sample type. COCH
Fraction: EOM
APT-ID: 11811
Analysis. GC-FID
Analysis date. 11-Jul-2001
Abundance
FID: 3.112e+3
0.36
0.27
0.182
0.091
10
20
30
40
50
60
70
80min.

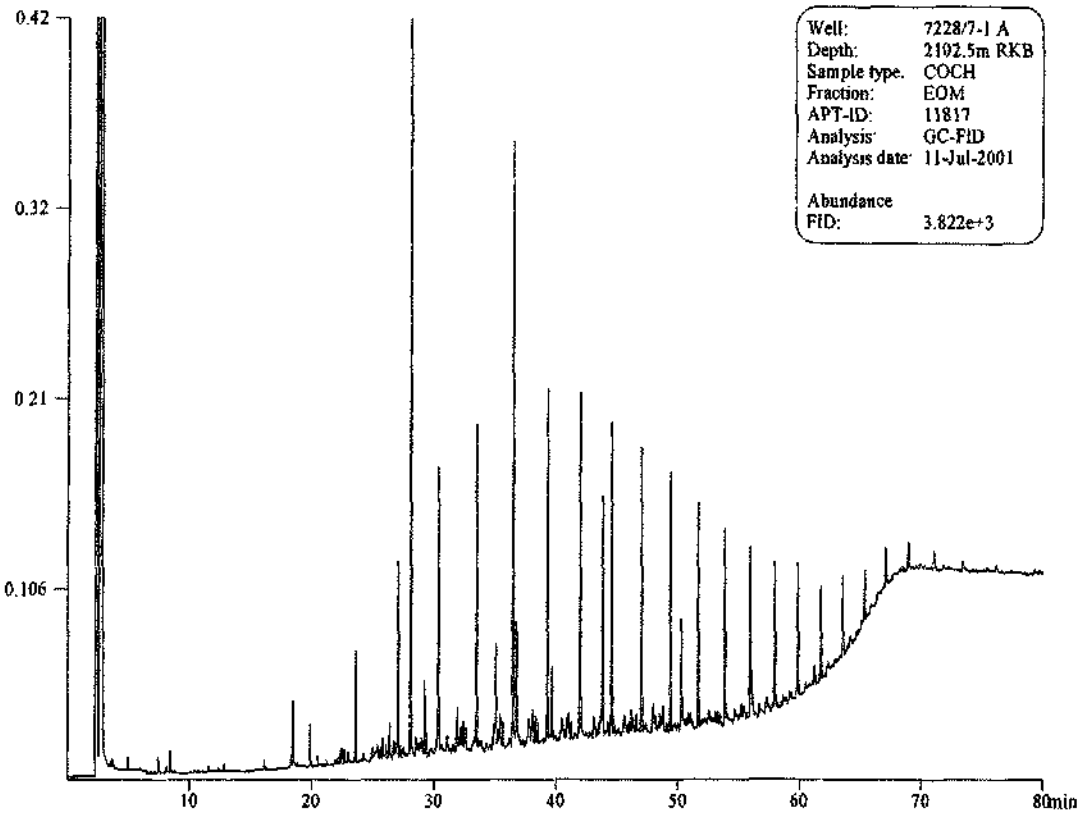

0 43
0 32
0 22
0.108
10
20
30
40
50
60
70
80min.
Well 7228/7-1 A
Depth: 2099.3m RKB
Sample type: COCH
Fraction: EOM
APT-ID 11812
Analysis: GC-FID
Analysis date: 11-Jul-2001
Abundance:
FID. 5.238e+3

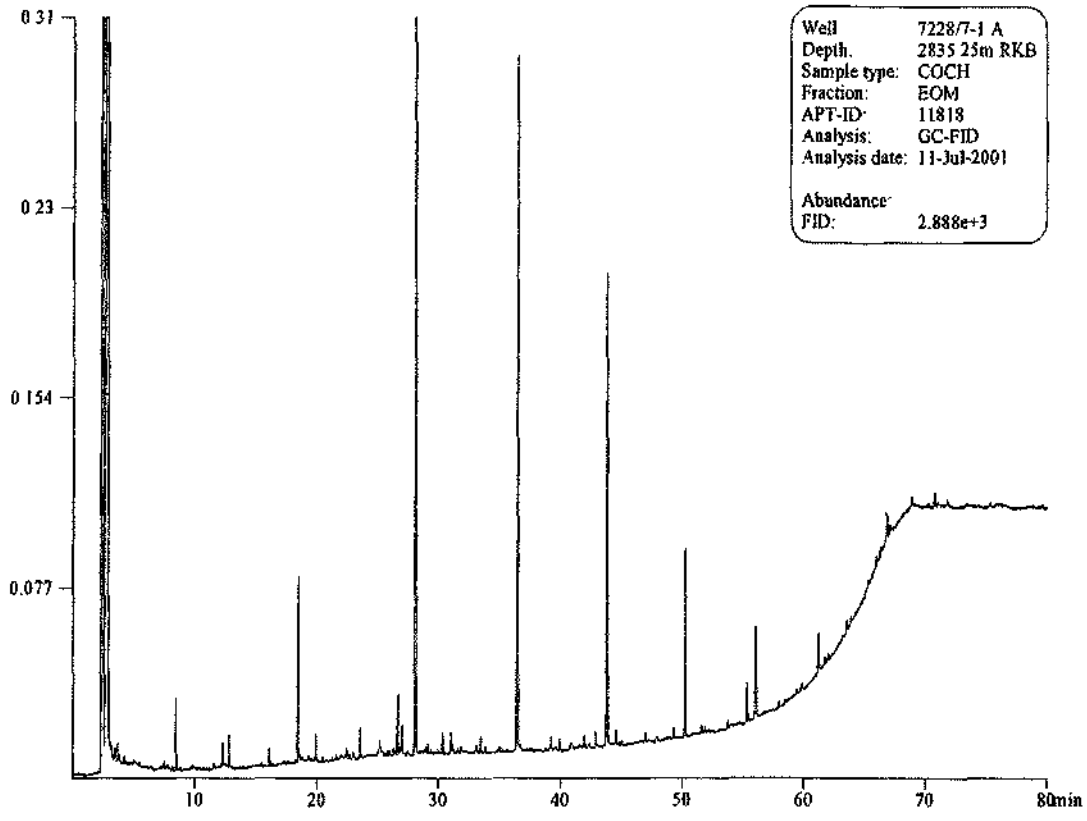

0.38
0.28
0.188
0 094
10
20
30
40
50
60
70
80min
Well 7228/7-1 A
Depth 2100.95m RKB
Sample type COCH
Fraction: EOM
APT-ID. 11813
Analysis: GC-FID
Analysis date: 11-Jul-2001
Abundance:
FID: 4 639e+3

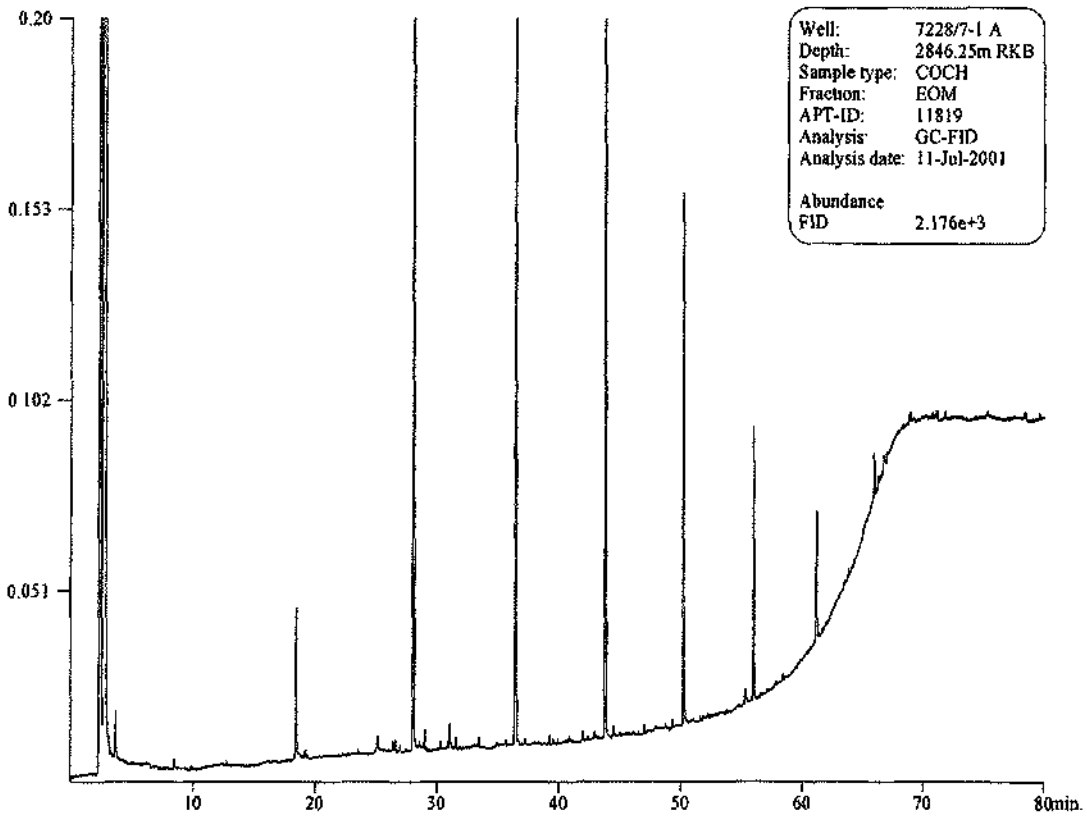

0 26
0 193
0.128
0.064
Well. 7228/7-1 A
Depth: 2101.25m RKB
Sample type: COCH
Fraction: EOM
APT-ID: 11814
Analysis. GC-FID
Analysis date: 11-Jul-2001
Abundance:
FID: 2.341e+3
10
20
30
40
50
60
70
80min.

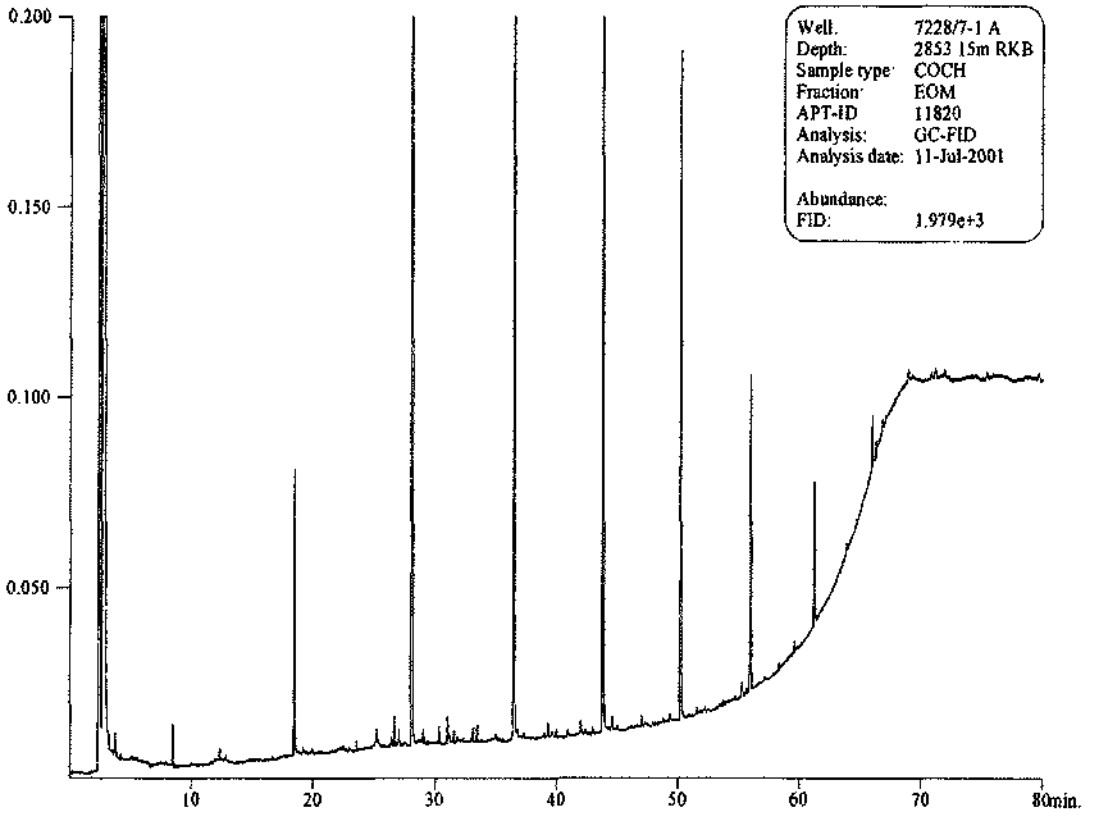

0.24
0.181
0.120
0.060
Well: 7228/7-1 A
Depth: 2101.9m RKB
Sample type: COCH
Fraction: EOM
APT-ID: 11815
Analysis GC-FID
Analysis date. 11-Jul-2001
Abundance:
FID: 2 060e+3
10
20
30
40
50
60
70
80min

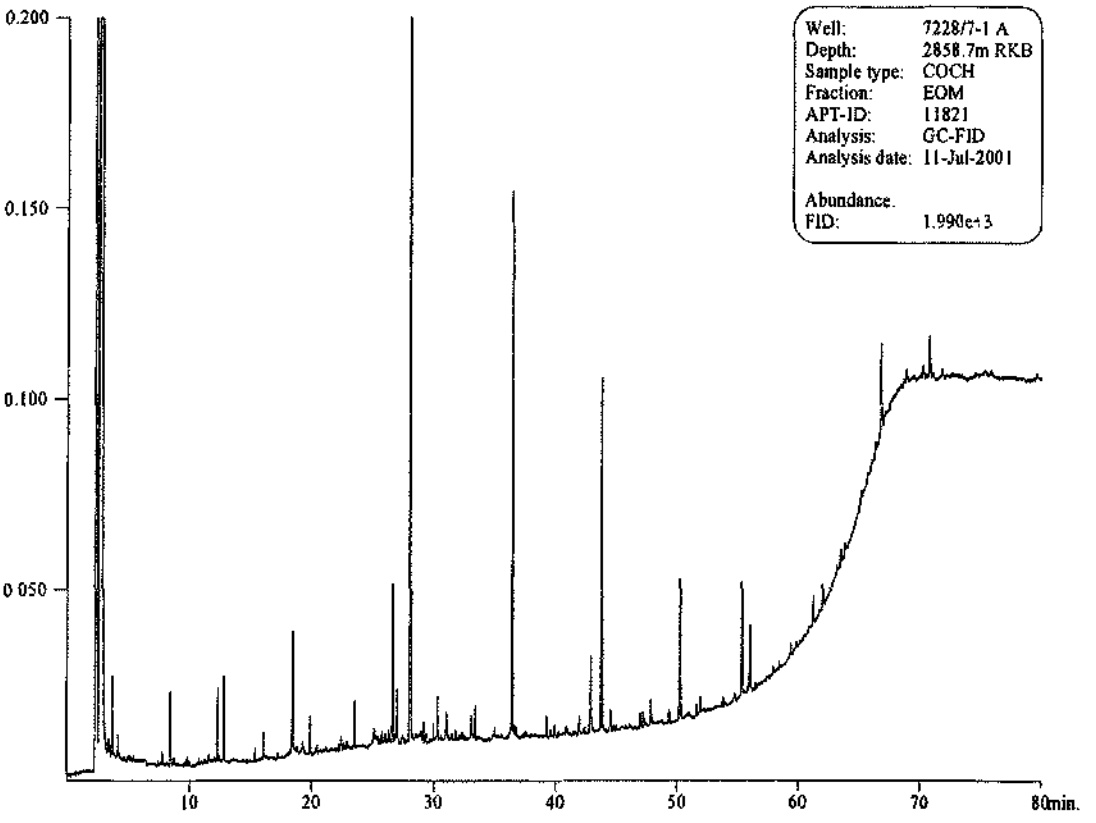

0.23
0.170
0.113
0.057
Well: 7228/7-1 A
Depth: 2102.25m RKB
Sample type: COCH
Fraction: EOM
APT-ID: 11816
Analysis: GC-FID
Analysis date: 11-Jul-2001
Abundance:
FID: 2.284e+3
10
20
30
40
50
60
70
80min.


0.42
0.32
0.21
0.106
Well: 7228/7-1 A
Depth: 2102.5m RKB
Sample type: COCH
Fraction: EOM
APT-ID: 11817
Analysis: GC-FID
Analysis date: 11-Jul-2001
Abundance
FID: 3.822e+3
10
20
30
40
50
60
70
80min

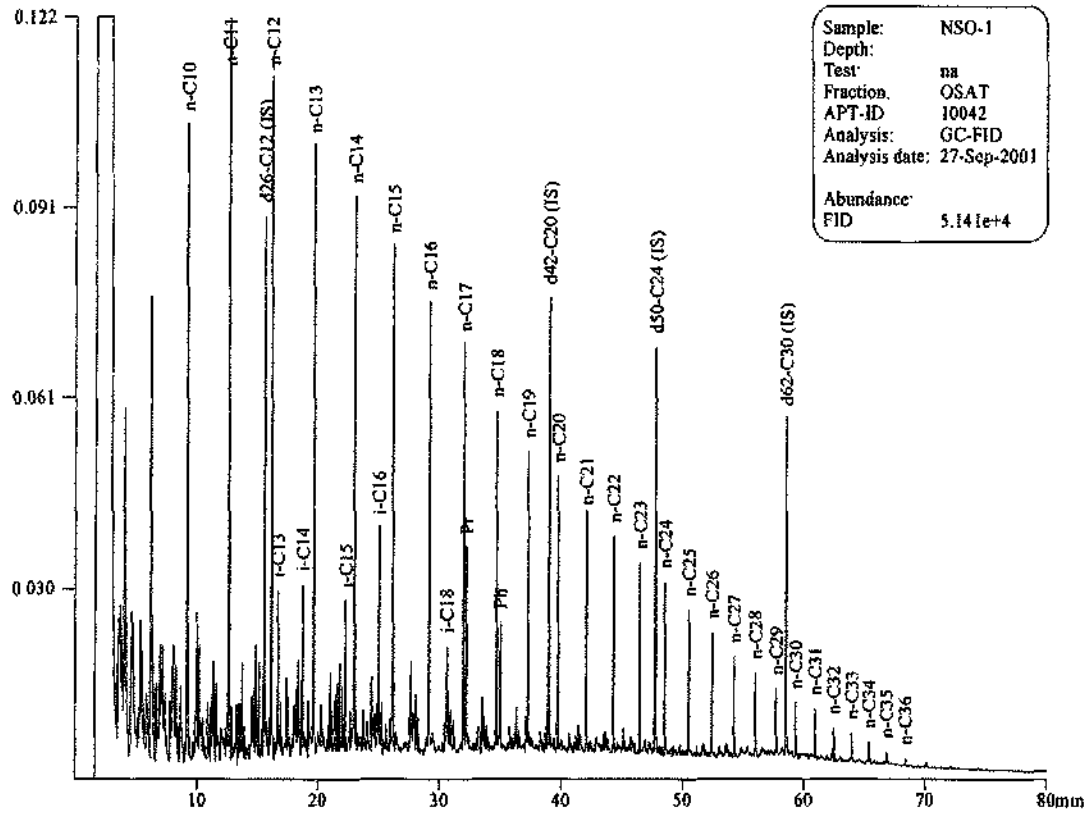

0 31
0 23
0 154
0.077
Well 7228/7-1 A
Depth: 2835 25m RKB
Sample type: COCH
Fraction: EOM
APT-ID: 11818
Analysis: GC-FID
Analysis date: 11-Jul-2001
Abundance
FID: 2.888e+3
10
20
30
40
50
60
70
80min

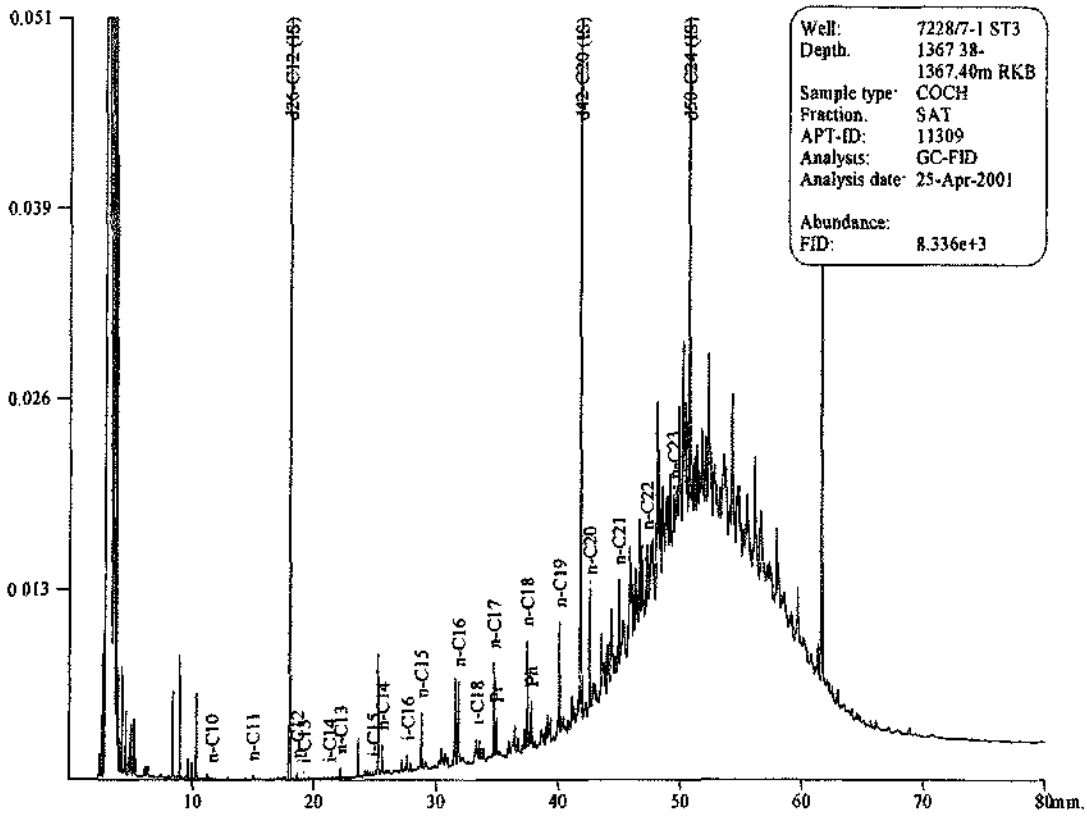

0.20
0.153
0 102
0.051
Well: 7228/7-1 A
Depth: 2846.25m RKB
Sample type: COCH
Fraction: EOM
APT-ID: 11819
Analysis: GC-FID
Analysis date: 11-Jul-2001
Abundance
FID 2.176e+3
10
20
30
40
50
60
70
80min.

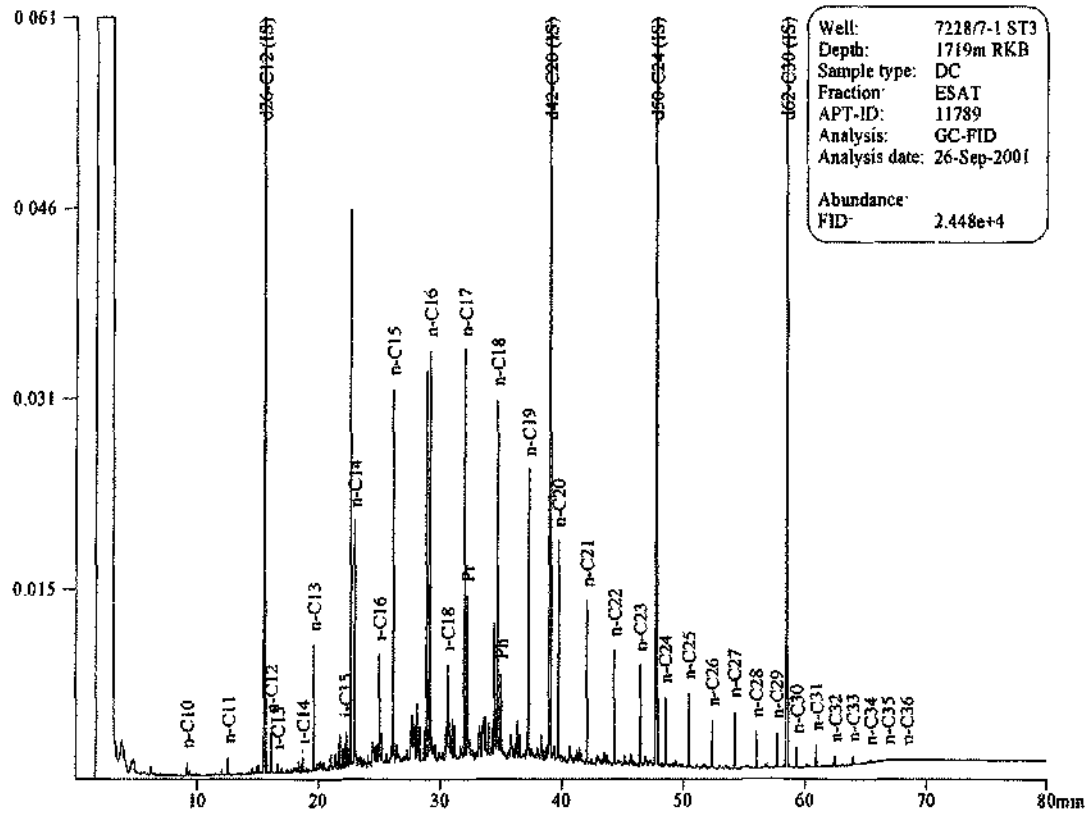

Well: 7228/7-1 A
Depth: 2853.15m RKB
Sample type: COCH
Fraction: EOM
APT-ID: 11820
Analysis: GC-FID
Analysis date: 11-Jul-2001
Abundance:
FID: 1.979e+3
0.200
0.150
0.100
0.050
10
20
30
40
50
60
70
80min.

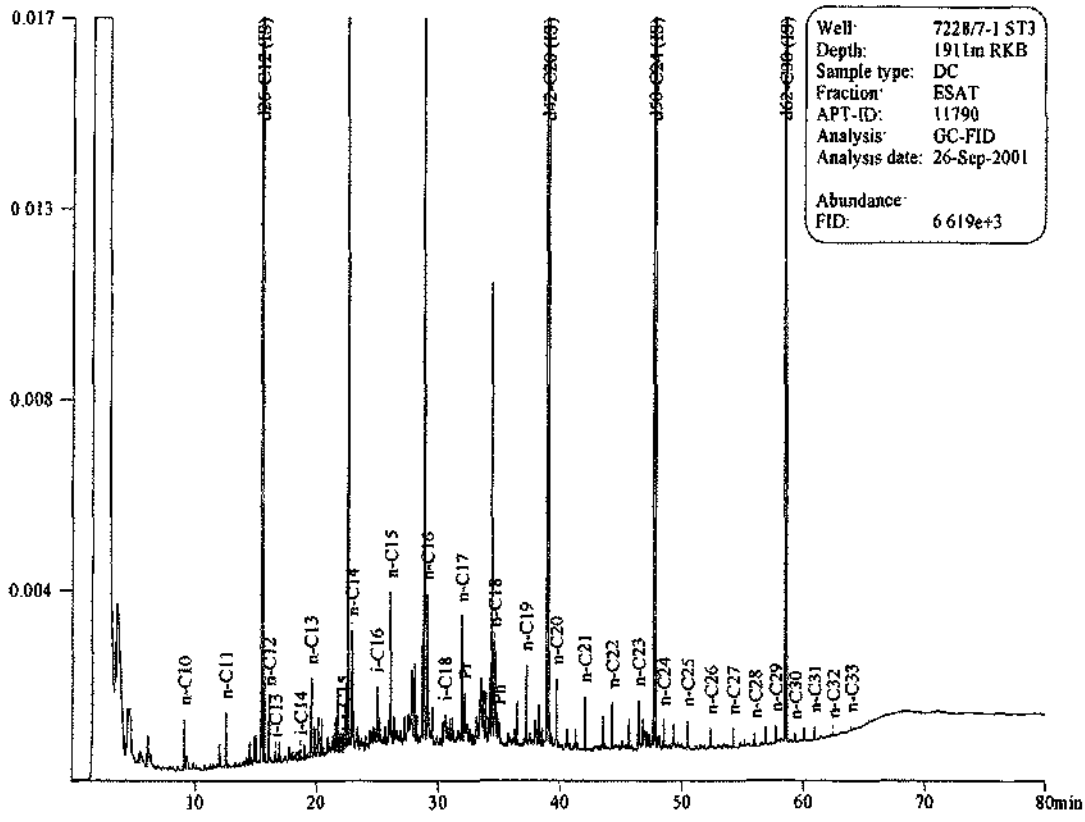

Well: 7228/7-1 A
Depth: 2858.7m RKB
Sample type: COCH
Fraction: EOM
APT-ID: 11821
Analysis: GC-FID
Analysis date: 11-Jul-2001
Abundance
FID: 1.990e+3
0.200
0.150
0.100
0.050
10
20
30
40
50
60
70
80min.

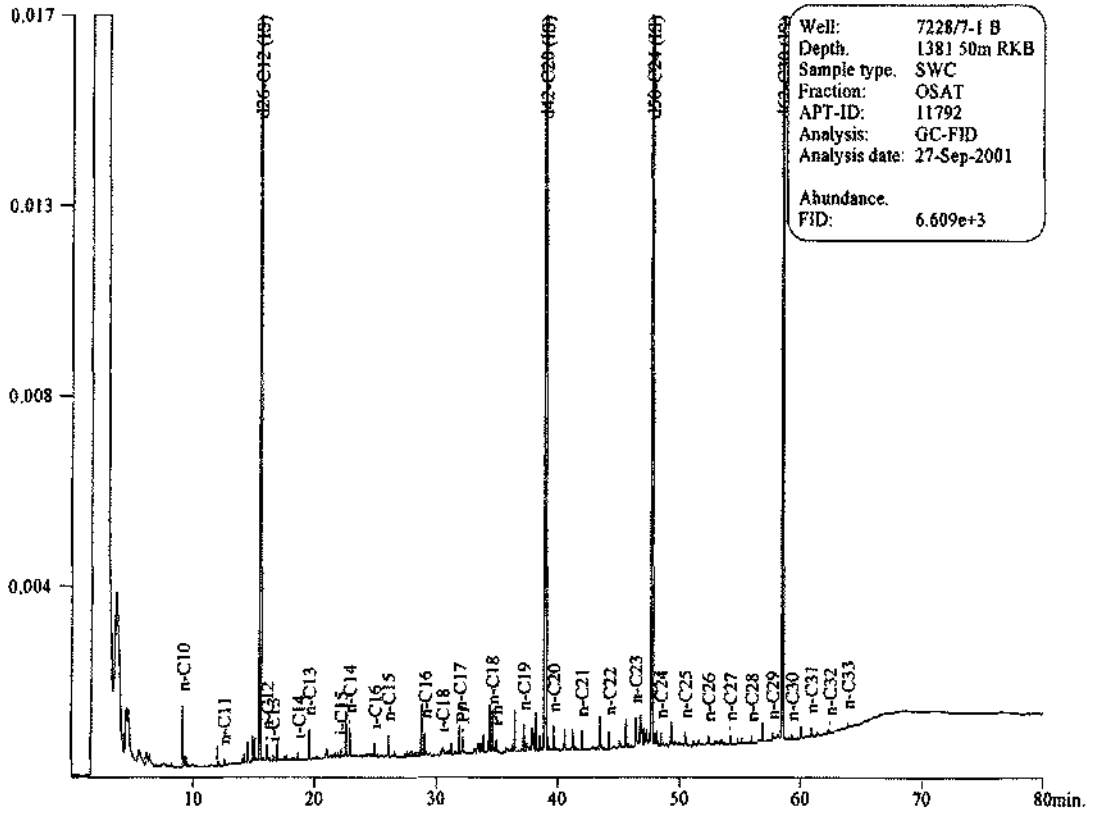
GC Chromatograms of Saturated Hydrocarbons

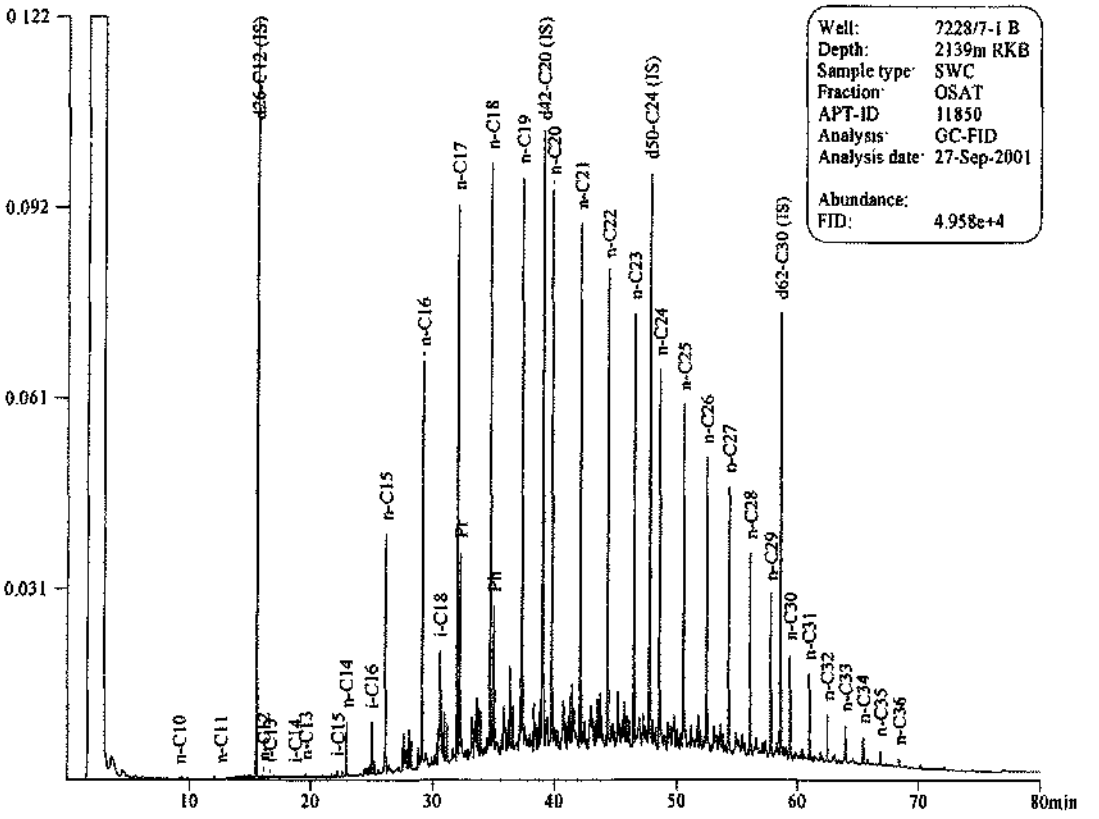

Sample: NSO-1
Depth:
Test: na
Fraction: OSAT
APT-ID 10042
Analysis: GC-FID
Analysis date: 27-Sep-2001
Abundance:
FID 5.141e+4
0.122
0.091
0.061
0.030
n-C10
n-C11
n-C12
d26-C12 (IS)
n-C13
i-C13
i-C14
n-C14
i-C15
n-C15
i-C16
n-C16
i-C18
n-C17
Pr
n-C18
Ph
n-C19
d42-C20 (IS)
n-C20
n-C21
n-C22
n-C23
d50-C24 (IS)
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
n-C30
d62-C30 (IS)
n-C31
n-C32
n-C33
n-C34
n-C35
n-C36
10
20
30
40
50
60
70
80mm

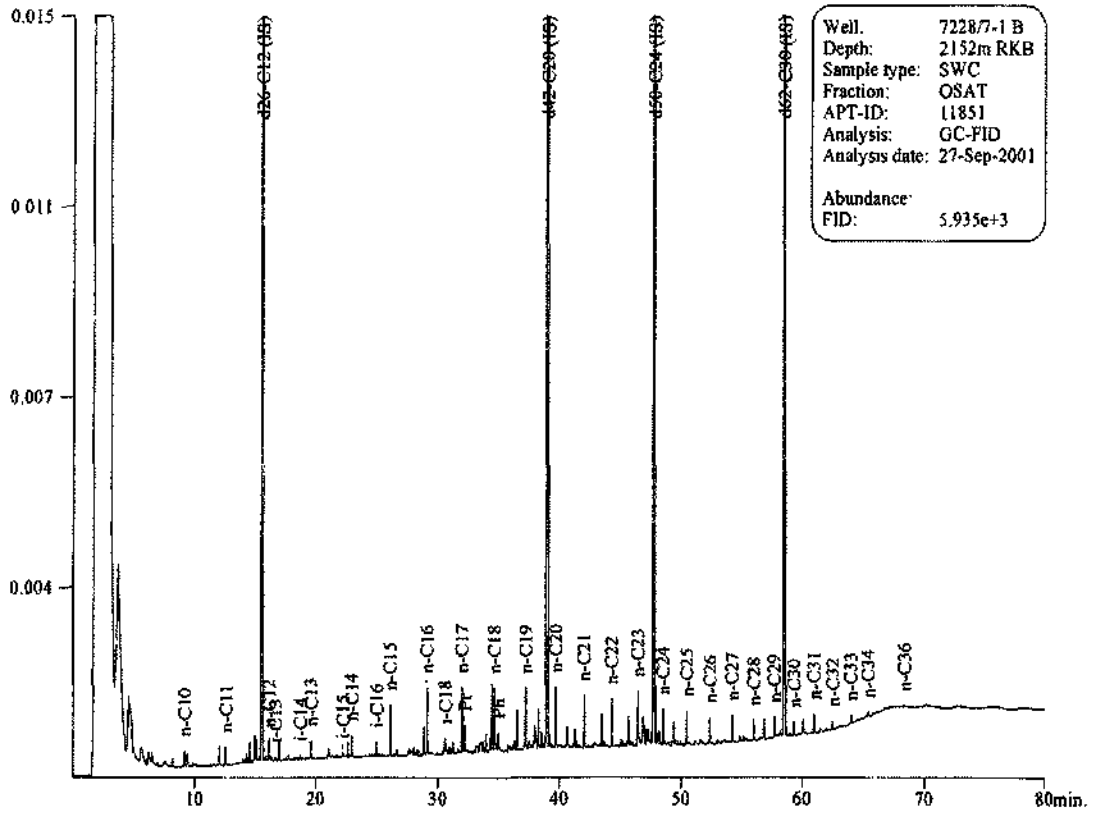

Well: 7228/7-1 ST3
Depth. 1367.38-1367.40m RKB
Sample type: COCH
Fraction. SAT
APT-ID: 11309
Analysis: GC-FID
Analysis date: 25-Apr-2001
Abundance:
FID: 8.336e+3
0.051
0.039
0.026
0.013
d26-C12 (IS)
d42-C20 (IS)
d50-C24 (IS)
n-C10
n-C11
i-C13
n-C13
i-C14
n-C14
i-C15
n-C15
i-C16
n-C16
i-C18
n-C17
Pr
n-C18
Ph
n-C19
n-C20
n-C21
n-C22
10
20
30
40
50
60
70
80mm

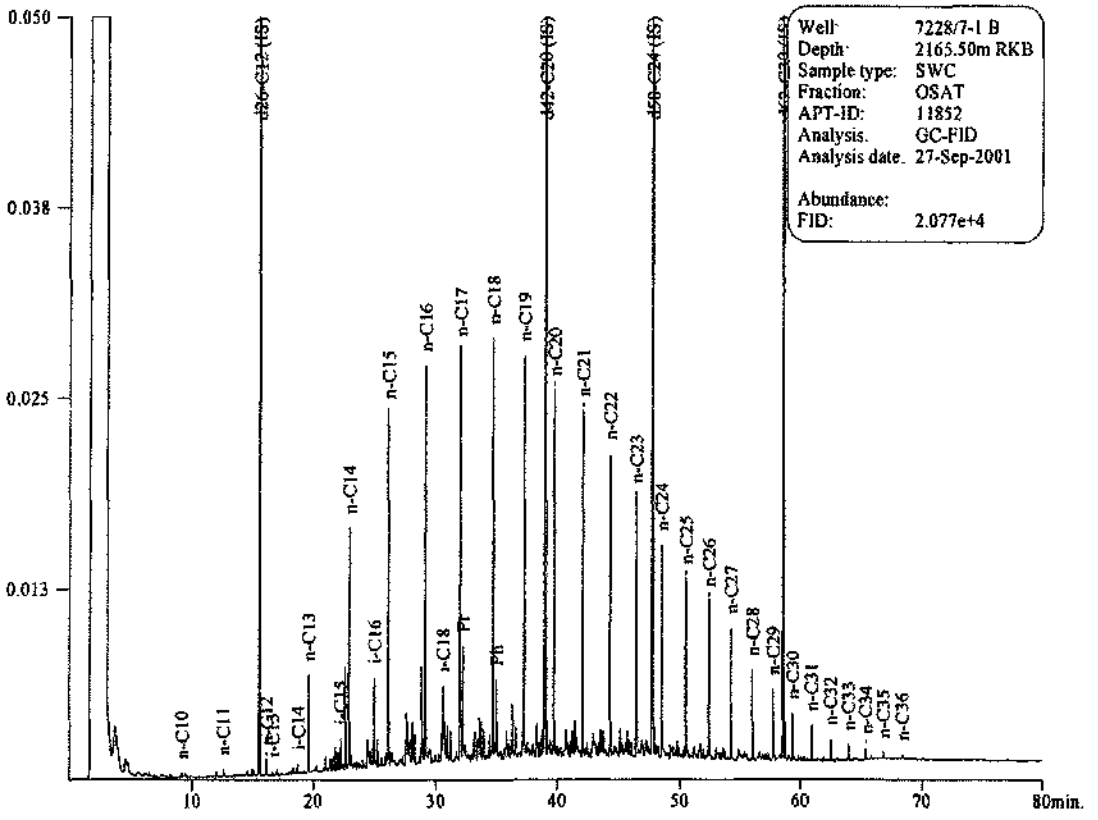

Well: 7228/7-1 ST3
Depth: 1719m RKB
Sample type: DC
Fraction: ESAT
APT-ID: 11789
Analysis: GC-FID
Analysis date: 26-Sep-2001
Abundance
FID: 2.448e+4
0.061
0.046
0.031
0.015
n-C10
n-C11
i-C12
n-C12
i-C13
n-C13
i-C14
n-C14
i-C15
n-C15
i-C16
n-C16
i-C18
n-C17
Pr
n-C18
Ph
n-C19
n-C20
n-C21
n-C22
n-C23
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
n-C30
n-C31
n-C32
n-C33
n-C34
n-C35
n-C36
10
20
30
40
50
60
70
80min

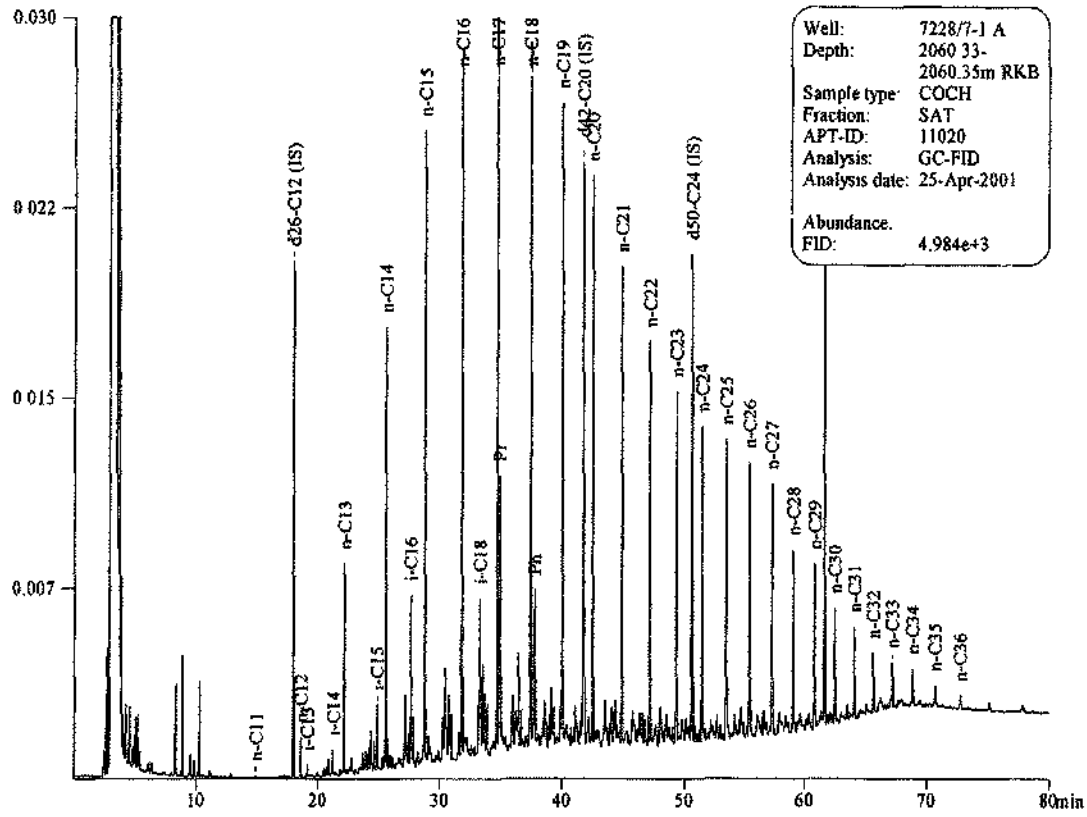

Well: 7228/7-1 ST3
Depth: 1911m RKB
Sample type: DC
Fraction: ESAT
APT-ID: 11790
Analysis: GC-FID
Analysis date: 26-Sep-2001
Abundance
FID: 6.619e+3
0.017
0.013
0.008
0.004
n-C10
n-C11
i-C12
n-C12
i-C13
n-C13
i-C14
n-C14
n-C15
i-C16
n-C16
i-C18
n-C17
Pr
n-C18
Ph
n-C19
n-C20
n-C21
n-C22
n-C23
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
n-C30
n-C31
n-C32
n-C33
10
20
30
40
50
60
70
80min

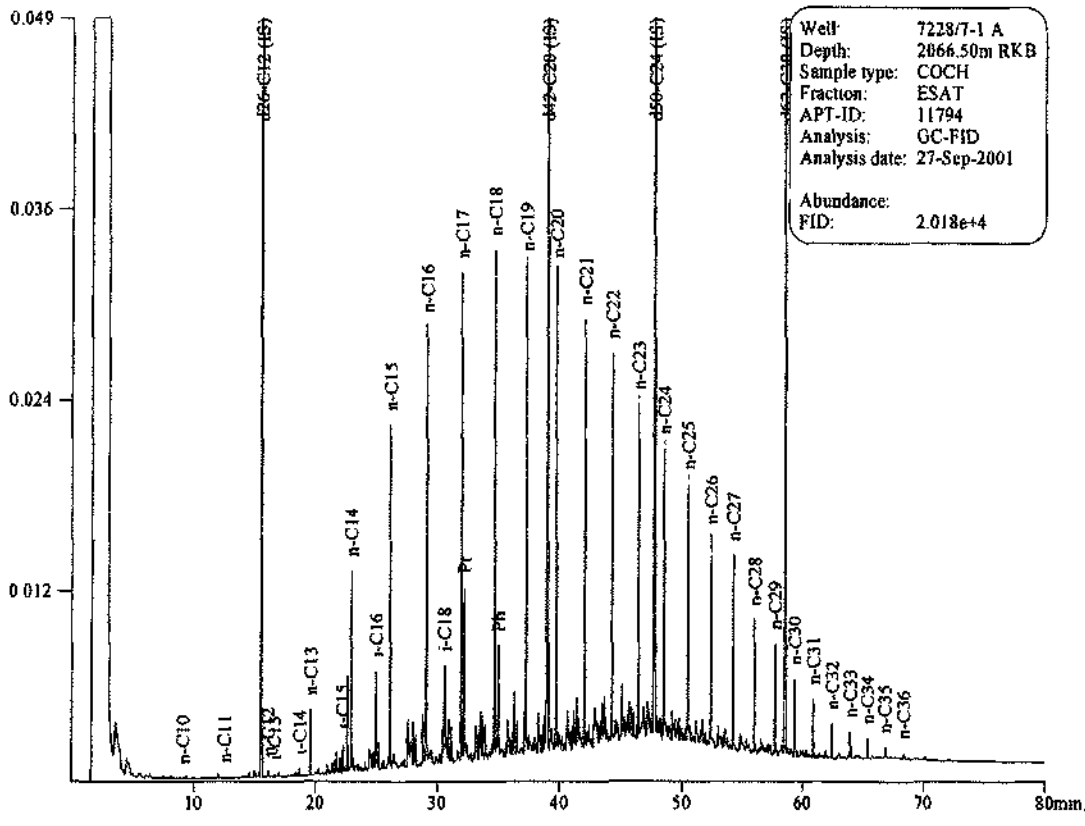

Well: 7228/7-1 B
Depth: 1381.50m RKB
Sample type: SWC
Fraction: OSAT
APT-ID: 11792
Analysis: GC-FID
Analysis date: 27-Sep-2001
Abundance
FID: 6.609e+3
0.017
0.013
0.008
0.004
n-C10
n-C11
d26-C12 (IS)
i-C13
n-C13
i-C14
n-C14
i-C15
n-C15
i-C16
n-C16
i-C18
n-C18
Pr
Ph
n-C19
d42-C20 (IS)
n-C20
n-C21
n-C22
n-C23
d50-C24 (IS)
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
d62-C30 (IS)
n-C30
n-C31
n-C32
n-C33
10
20
30
40
50
60
70
80min.

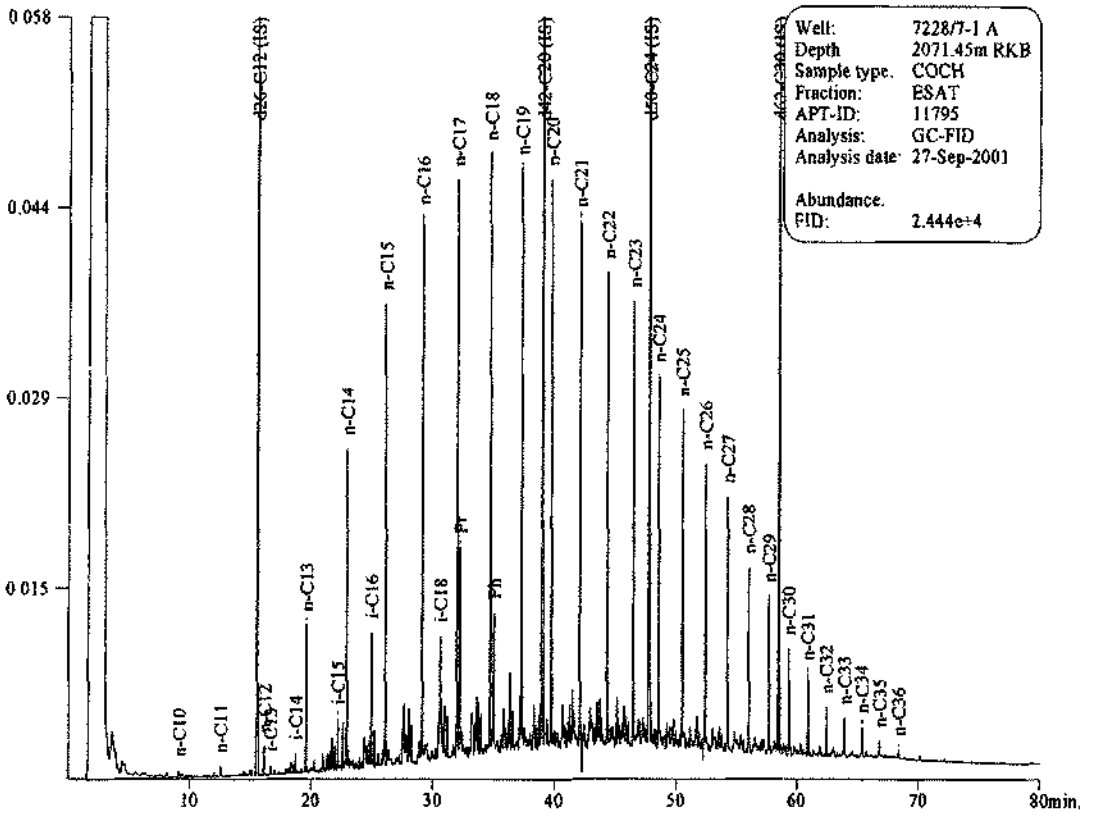

Well: 7228/7-1 B
Depth: 2139m RKB
Sample type: SWC
Fraction: OSAT
APT-ID: 11850
Analysis: GC-FID
Analysis date: 27-Sep-2001
Abundance
FID: 4.958e+4
0.122
0.092
0.061
0.031
n-C10
n-C11
d26-C12 (IS)
i-C13
n-C13
i-C14
n-C14
i-C15
n-C15
i-C16
n-C16
i-C18
n-C18
Pr
Ph
n-C19
d42-C20 (IS)
n-C20
n-C21
n-C22
n-C23
d50-C24 (IS)
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
d62-C30 (IS)
n-C30
n-C31
n-C32
n-C33
n-C34
n-C35
n-C36
10
20
30
40
50
60
70
80min

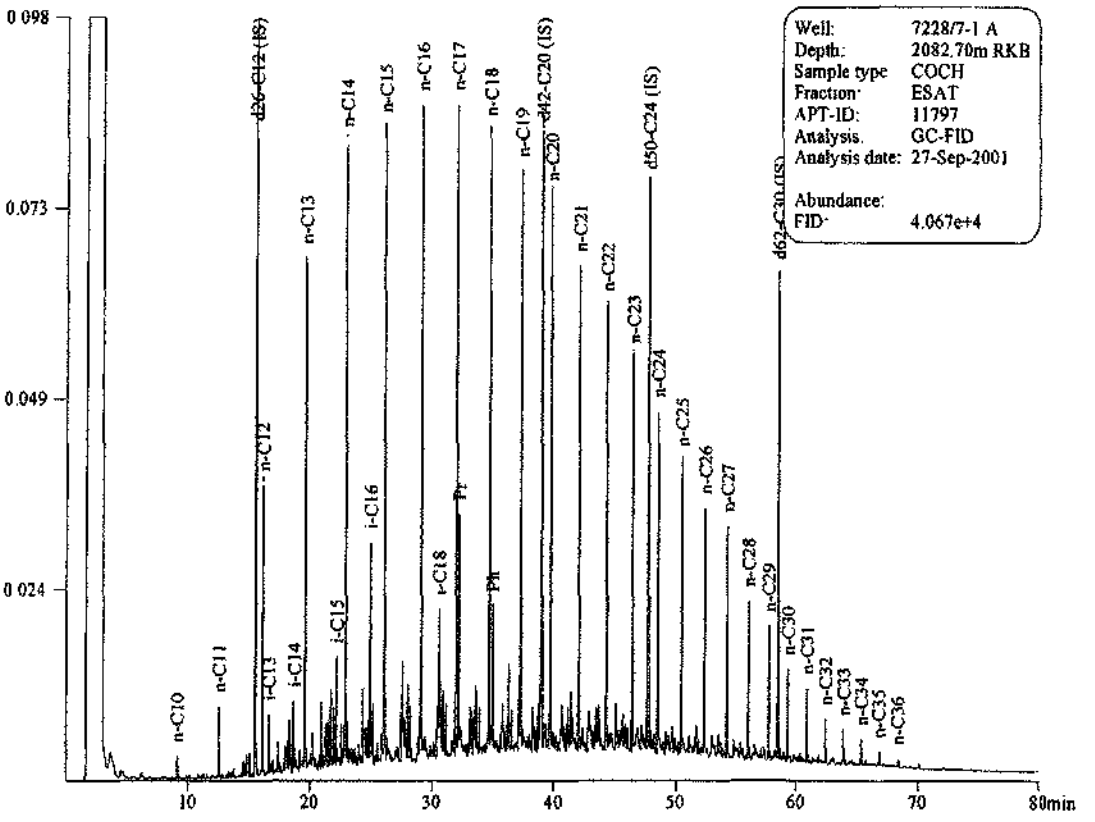

Well. 7228/7-1 B
Depth: 2152m RKB
Sample type: SWC
Fraction: OSAT
APT-ID: 11851
Analysis: GC-FID
Analysis date: 27-Sep-2001
Abundance
FID: 5.935e+3
0.015
0.011
0.007
0.004
n-C10
n-C11
i-C13
n-C13
i-C14
n-C14
i-C15
n-C15
i-C16
n-C16
i-C18
n-C17
Pr
n-C18
Ph
n-C19
n-C20
n-C21
n-C22
n-C23
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
n-C30
n-C31
n-C32
n-C33
n-C34
n-C36
10
20
30
40
50
60
70
80min.

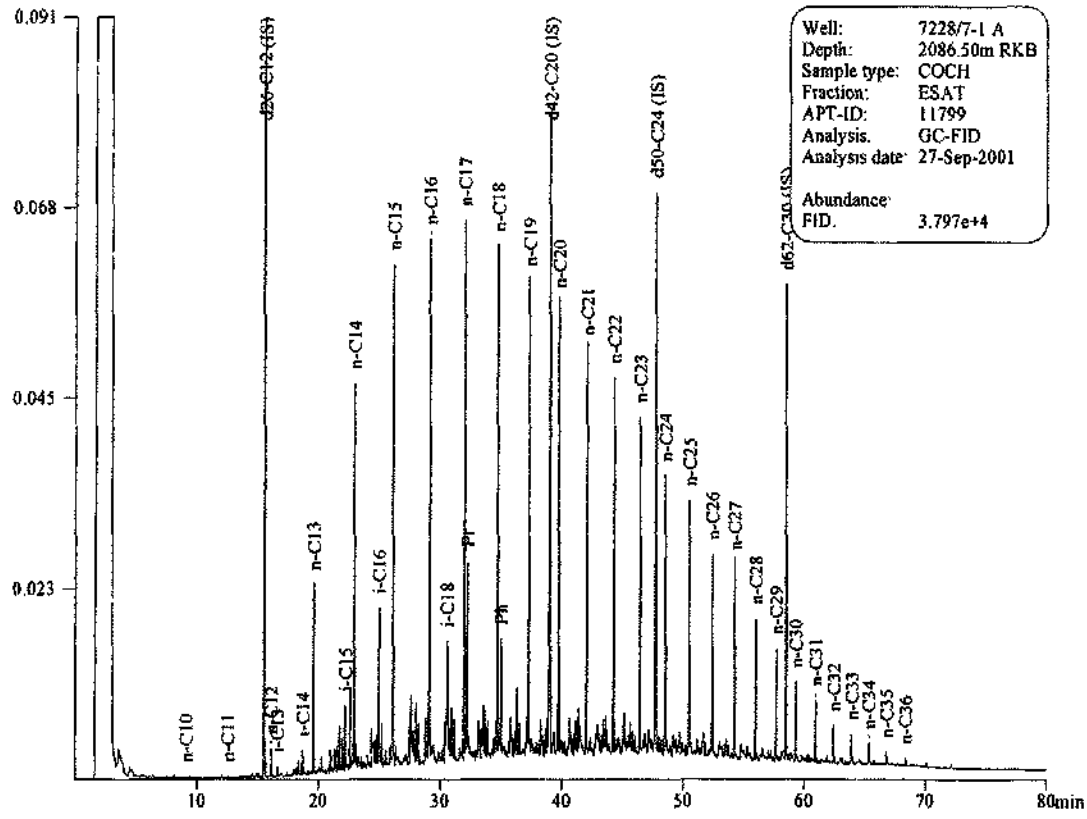

Well 7228/7-1 B
Depth 2165.50m RKB
Sample type: SWC
Fraction: OSAT
APT-ID: 11852
Analysis. GC-FID
Analysis date. 27-Sep-2001
Abundance:
FID: 2.077e+4
0.050
0.038
0.025
0.013
n-C10
n-C11
i-C13
n-C13
i-C14
n-C14
i-C15
n-C15
i-C16
n-C16
i-C18
n-C17
Pr
n-C18
Ph
n-C19
n-C20
n-C21
n-C22
n-C23
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
n-C30
n-C31
n-C32
n-C33
n-C34
n-C35
n-C36
10
20
30
40
50
60
70
80min.

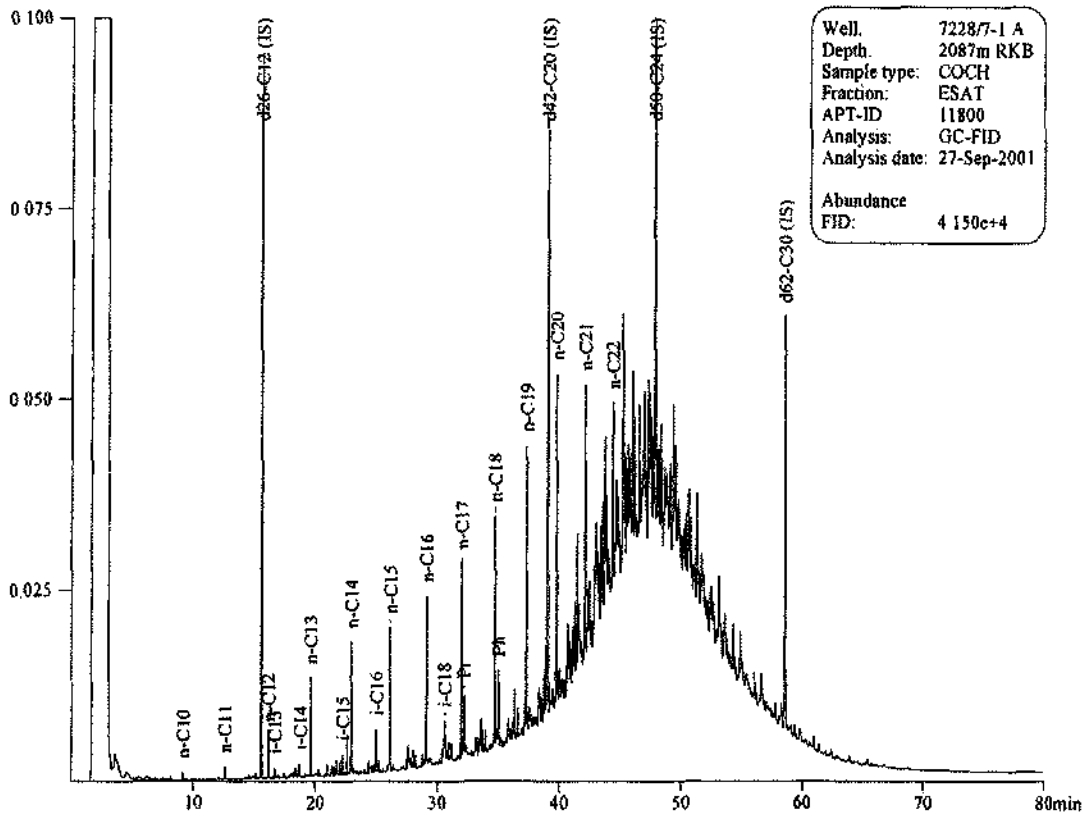

Well: 7228/7-1 A
Depth: 2060.33-2060.35m RKB
Sample type: COCH
Fraction: SAT
APT-ID: 11020
Analysis: GC-FID
Analysis date: 25-Apr-2001
Abundance
FID: 4.984e+3
0.030
0.022
0.015
0.007
d26-C12 (IS)
d42-C20 (IS)
d50-C24 (IS)
n-C11
i-C12
n-C13
i-C14
n-C14
i-C15
n-C15
i-C16
n-C16
i-C18
n-C18
Pr
Ph
n-C19
n-C21
n-C22
n-C23
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
n-C30
n-C31
n-C32
n-C33
n-C34
n-C35
n-C36
10
20
30
40
50
60
70
80min

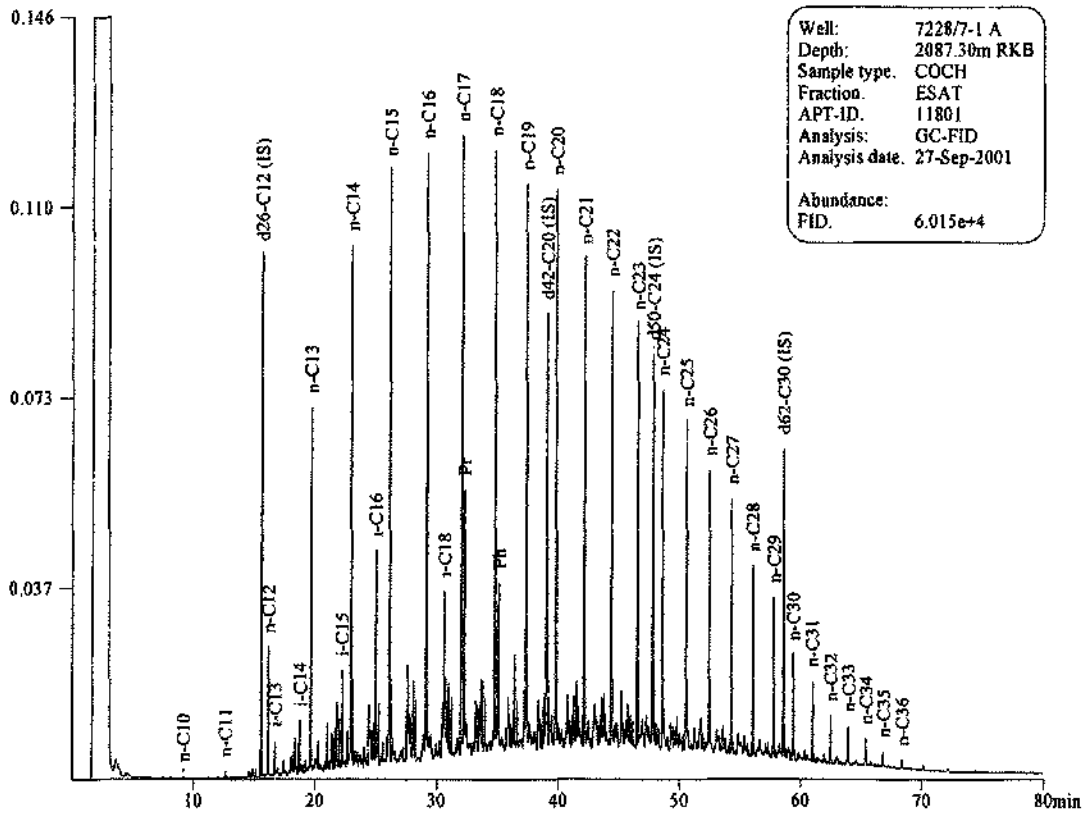

Well: 7228/7-1 A
Depth: 2066.50m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11794
Analysis: GC-FID
Analysis date: 27-Sep-2001
Abundance
FID: 2.018e+4
0.049
0.036
0.024
0.012
n-C10
n-C11
n-C13
i-C14
n-C14
i-C15
n-C15
i-C16
n-C16
n-C17
i-C18
n-C18
Pr
Ph
n-C19
n-C20
n-C21
n-C22
n-C23
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
n-C30
n-C31
n-C32
n-C33
n-C34
n-C35
n-C36
10
20
30
40
50
60
70
80mm.

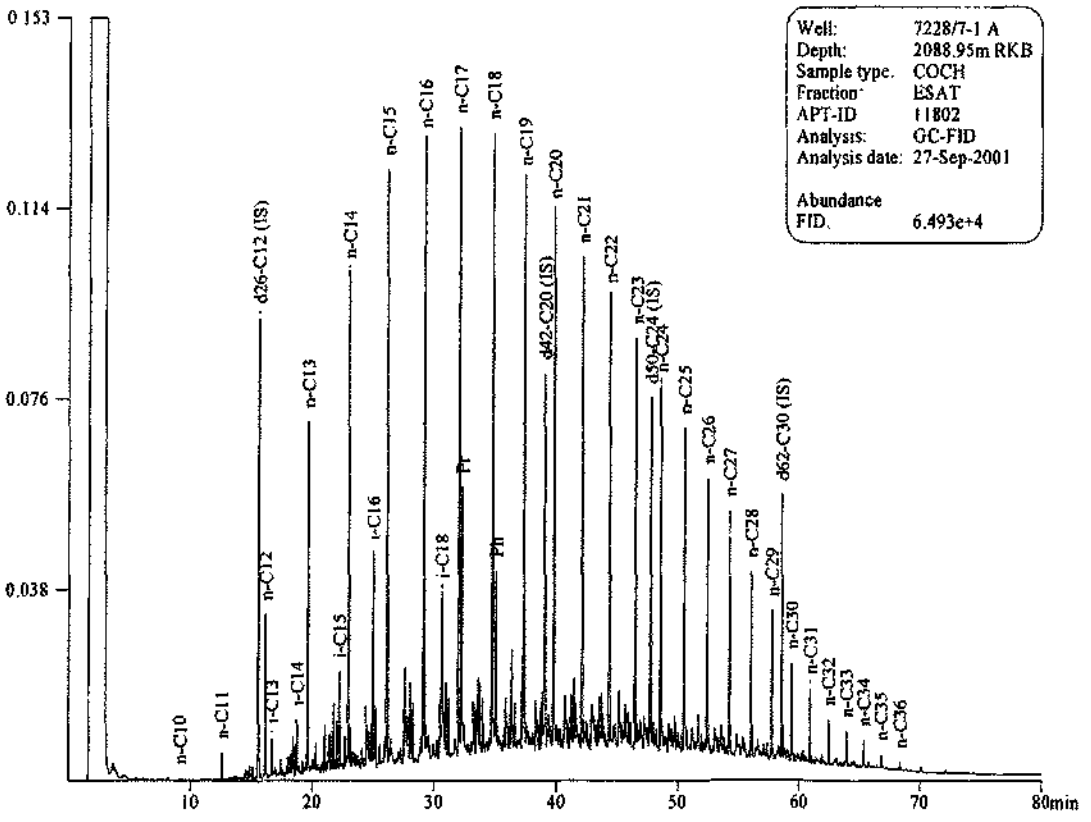

Well: 7228/7-1 A
Depth 2071.45m RKB
Sample type. COCH
Fraction: ESAT
APT-ID: 11795
Analysis: GC-FID
Analysis date: 27-Sep-2001
Abundance.
FID: 2.444e+4
0.058
0.044
0.029
0.015
n-C10
n-C11
n-C12
i-C13
n-C13
i-C14
n-C14
i-C15
n-C15
i-C16
n-C16
i-C18
n-C17
Pr
n-C18
Ph
n-C19
n-C20
n-C21
n-C22
n-C23
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
n-C30
n-C31
n-C32
n-C33
n-C34
n-C35
n-C36
10
20
30
40
50
60
70
80min.

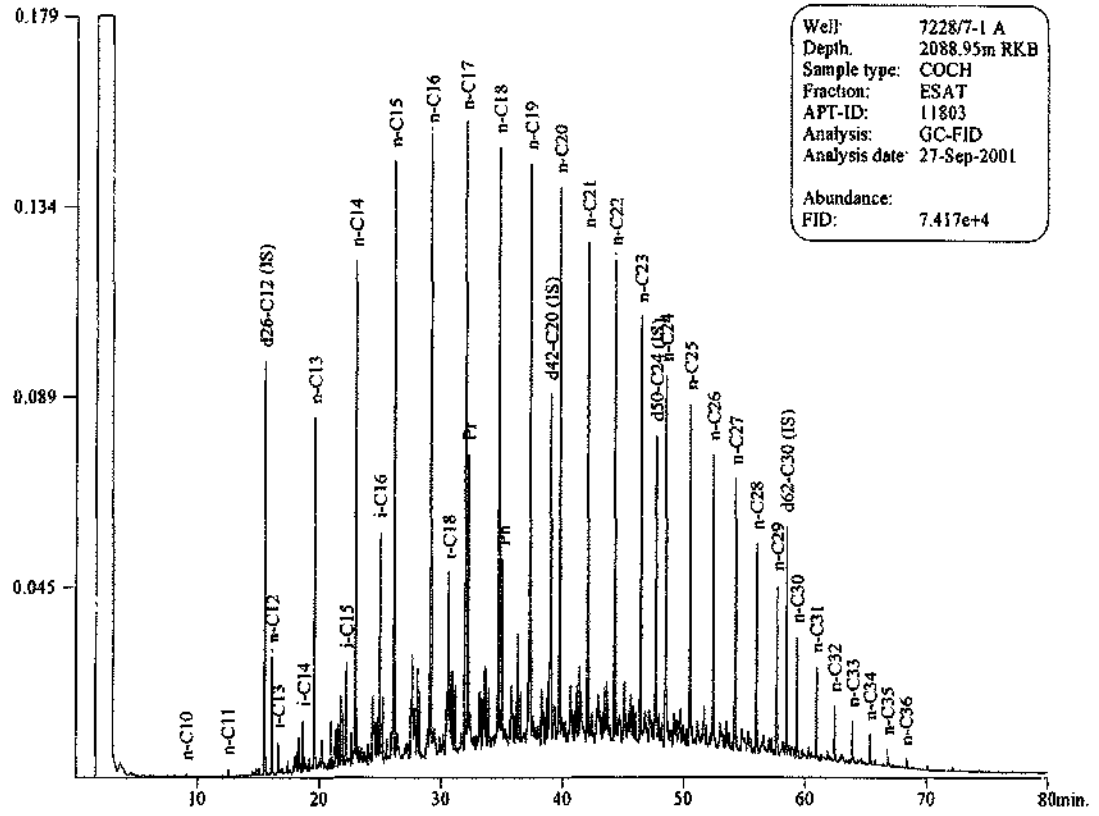

Well: 7228/7-1 A
Depth: 2082.70m RKB
Sample type COCH
Fraction: ESAT
APT-ID: 11797
Analysis. GC-FID
Analysis date: 27-Sep-2001
Abundance:
FID: 4.067e+4
0.098
0.073
0.049
0.024
d26-C12 (IS)
n-C10
n-C11
n-C12
i-C13
n-C13
i-C14
n-C14
i-C15
n-C15
i-C16
n-C16
i-C18
n-C17
Pr
n-C18
Ph
n-C19
n-C20
d42-C20 (IS)
n-C21
n-C22
n-C23
d50-C24 (IS)
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
n-C30
n-C31
n-C32
n-C33
n-C34
n-C35
n-C36
10
20
30
40
50
60
70
80min

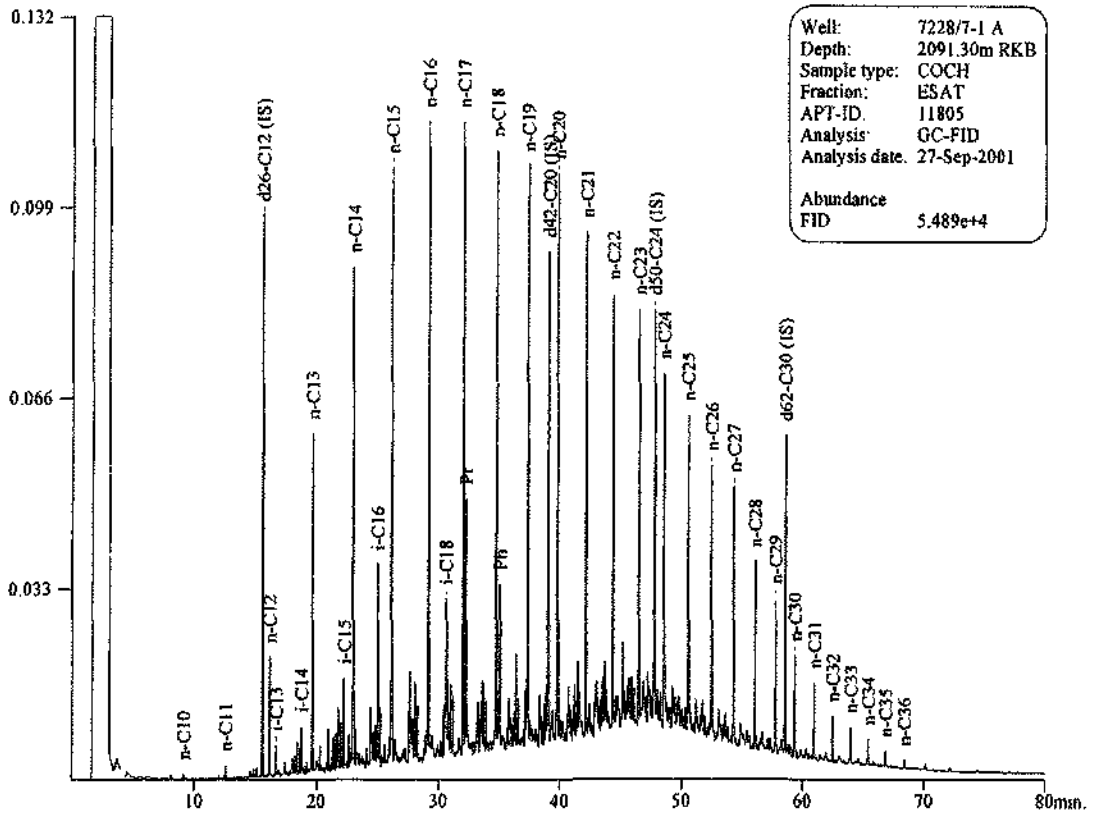

Well: 7228/7-1 A
Depth: 2086.50m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11799
Analysis: GC-FID
Analysis date: 27-Sep-2001
Abundance
FID: 3.797e+4
0.091
0.068
0.045
0.023
n-C10
n-C11
i-C12
i-C13
n-C13
i-C14
n-C14
i-C15
n-C15
i-C16
n-C16
i-C18
n-C17
Pr
n-C18
Ph
n-C19
d42-C20 (IS)
n-C20
n-C21
n-C22
n-C23
d50-C24 (IS)
n-C24
n-C25
n-C26
n-C27
n-C28
d62-C30 (IS)
n-C29
n-C30
n-C31
n-C32
n-C33
n-C34
n-C35
n-C36
10
20
30
40
50
60
70
80min

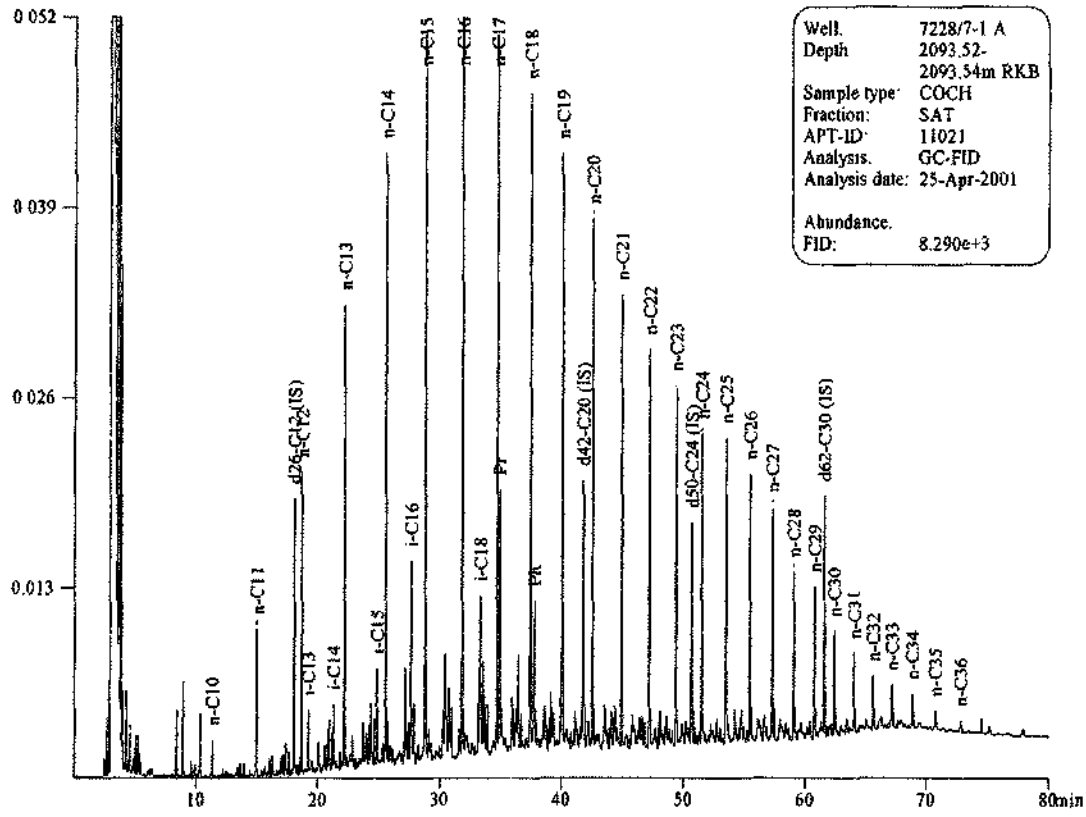

Well: 7228/7-1 A
Depth: 2087m RKB
Sample type: COCH
Fraction: ESAT
APT-ID 11800
Analysis: GC-FID
Analysis date: 27-Sep-2001
Abundance
FID: 4.150e+4
0.100
0.075
0.050
0.025
n-C10
n-C11
i-C12
i-C13
n-C13
i-C14
n-C14
i-C15
n-C15
i-C16
n-C16
i-C18
n-C17
Pr
n-C18
Ph
n-C19
d42-C20 (IS)
n-C20
n-C21
n-C22
d50-C24 (IS)
d62-C30 (IS)
10
20
30
40
50
60
70
80min

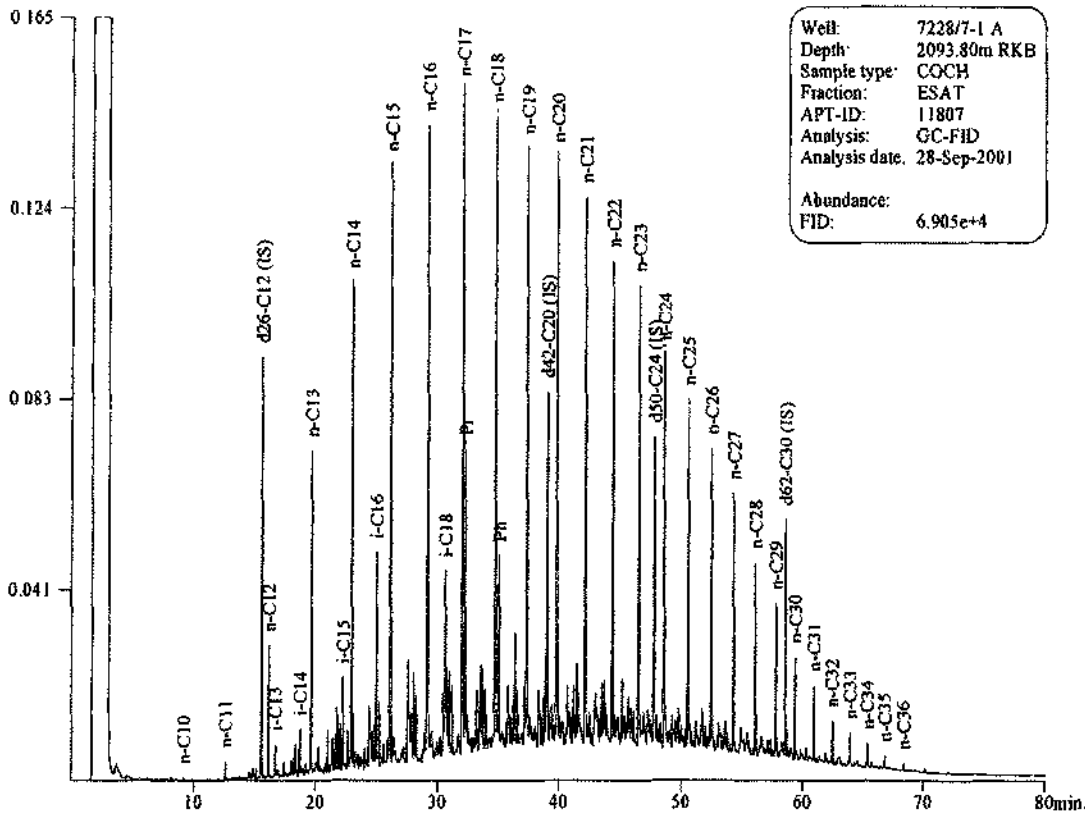

Well: 7228/7-1 A
Depth: 2087.30m RKB
Sample type. COCH
Fraction. ESAT
APT-ID. 11801
Analysis: GC-FID
Analysis date. 27-Sep-2001
Abundance:
FID. 6.015e+4
0.146
0.110
0.073
0.037
n-C10
n-C11
i-C13
n-C12
d26-C12 (IS)
n-C13
i-C14
n-C14
i-C15
n-C15
i-C16
n-C16
i-C18
n-C17
Pr
n-C18
Ph
n-C19
d42-C20 (IS)
n-C20
n-C21
n-C22
n-C23
d50-C24 (IS)
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
d62-C30 (IS)
n-C30
n-C31
n-C32
n-C33
n-C34
n-C35
n-C36
10
20
30
40
50
60
70
80min

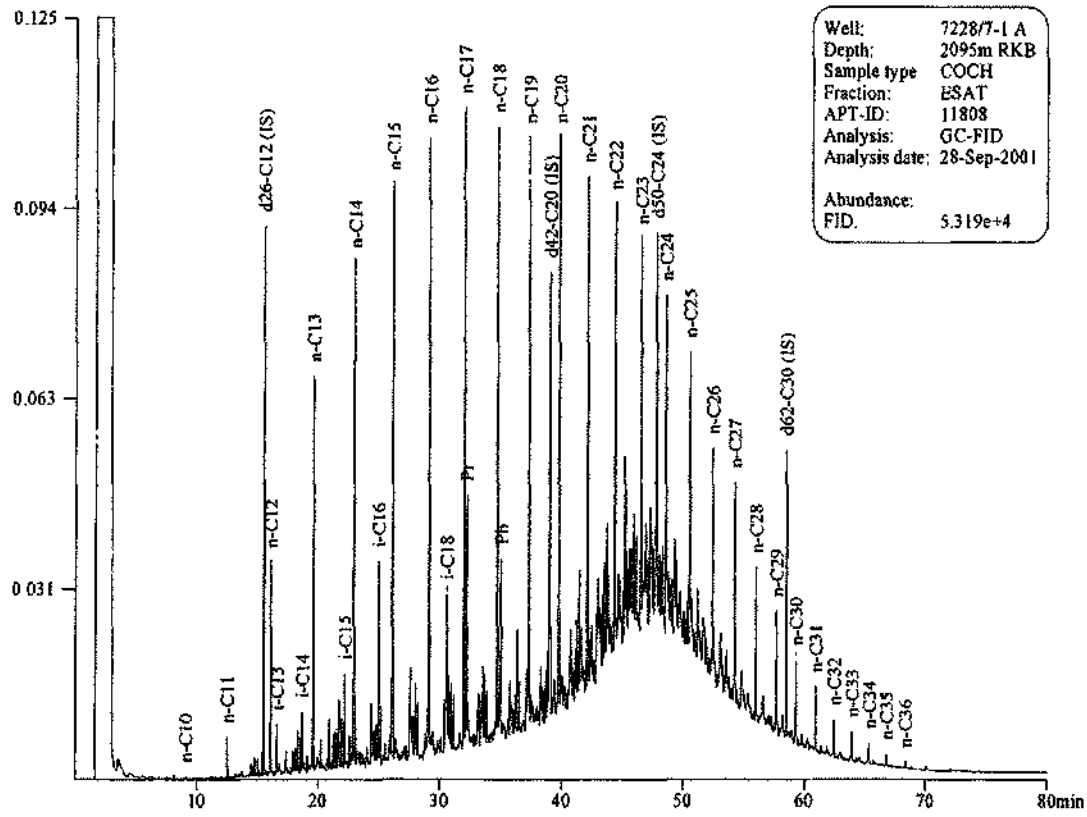

Well: 7228/7-1 A
Depth: 2088.95m RKB
Sample type. COCH
Fraction ESAT
APT-ID 11802
Analysis: GC-FID
Analysis date: 27-Sep-2001
Abundance
FID. 6.493e+4
0.153
0.114
0.076
0.038
n-C10
n-C11
i-C13
n-C12
d26-C12 (IS)
n-C13
i-C14
n-C14
i-C15
n-C15
i-C16
n-C16
i-C18
n-C17
Pr
n-C18
Ph
n-C19
d42-C20 (IS)
n-C20
n-C21
n-C22
n-C23
d50-C24 (IS)
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
d62-C30 (IS)
n-C30
n-C31
n-C32
n-C33
n-C34
n-C35
n-C36
10
20
30
40
50
60
70
80min

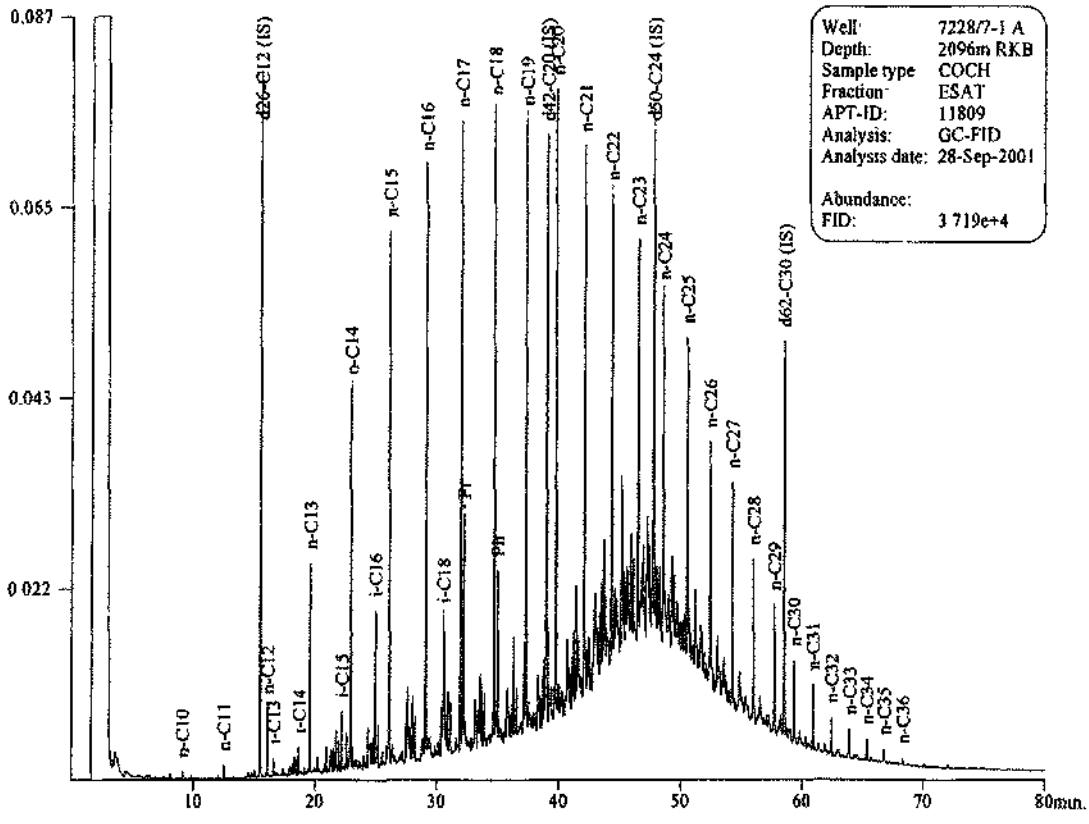

Well: 7228/7-1 A
Depth: 2088.95m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11803
Analysis: GC-FID
Analysis date: 27-Sep-2001
Abundance:
FID: 7.417e+4
0.179
0.134
0.089
0.045
n-C10
n-C11
i-C13
n-C12
i-C14
d26-C12 (IS)
i-C15
n-C13
n-C14
i-C16
n-C15
n-C16
i-C18
n-C17
Pr
n-C18
Ph
n-C19
d42-C20 (IS)
n-C20
n-C21
n-C22
n-C23
d50-C24 (IS)
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
d62-C30 (IS)
n-C30
n-C31
n-C32
n-C33
n-C34
n-C35
n-C36
10
20
30
40
50
60
70
80min.

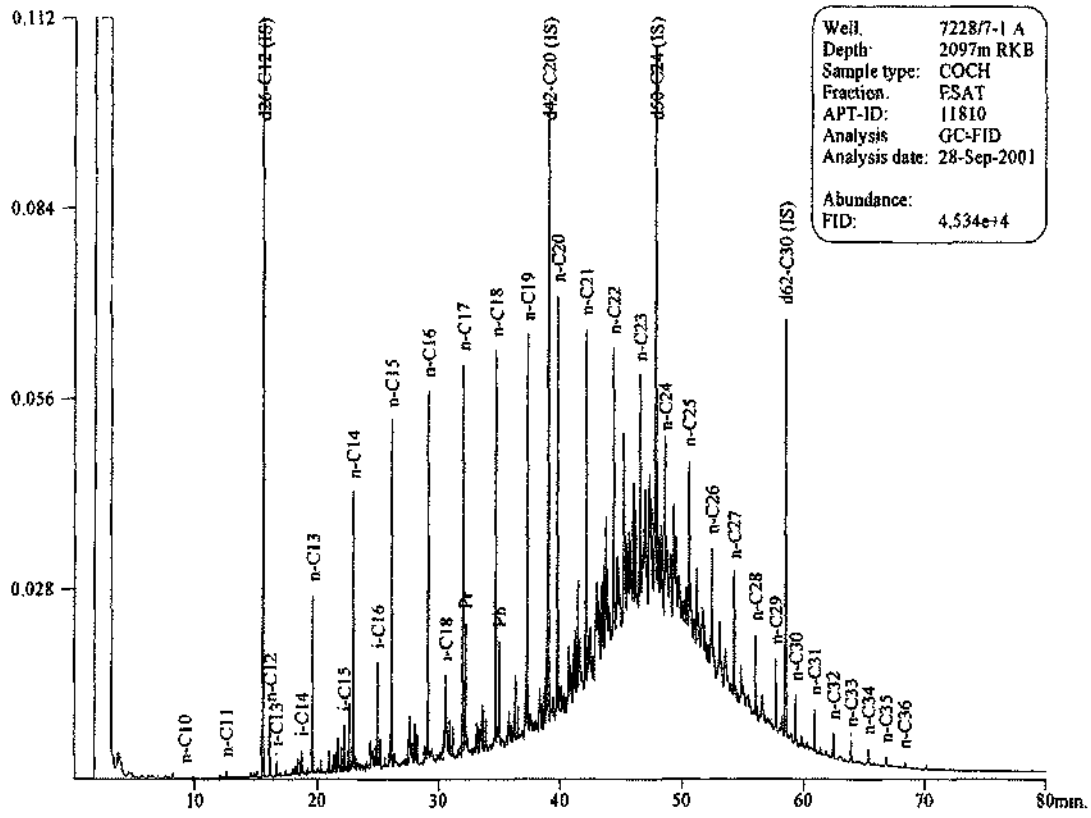

Well: 7228/7-1 A
Depth: 2091.30m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11805
Analysis: GC-FID
Analysis date: 27-Sep-2001
Abundance
FID 5.489e+4
0.132
0.099
0.066
0.033
n-C10
n-C11
i-C13
n-C12
i-C14
d26-C12 (IS)
i-C15
n-C13
n-C14
i-C16
n-C15
n-C16
i-C18
n-C17
Pr
n-C18
Ph
n-C19
d42-C20 (IS)
n-C20
n-C21
n-C22
n-C23
d50-C24 (IS)
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
d62-C30 (IS)
n-C30
n-C31
n-C32
n-C33
n-C34
n-C35
n-C36
10
20
30
40
50
60
70
80min.

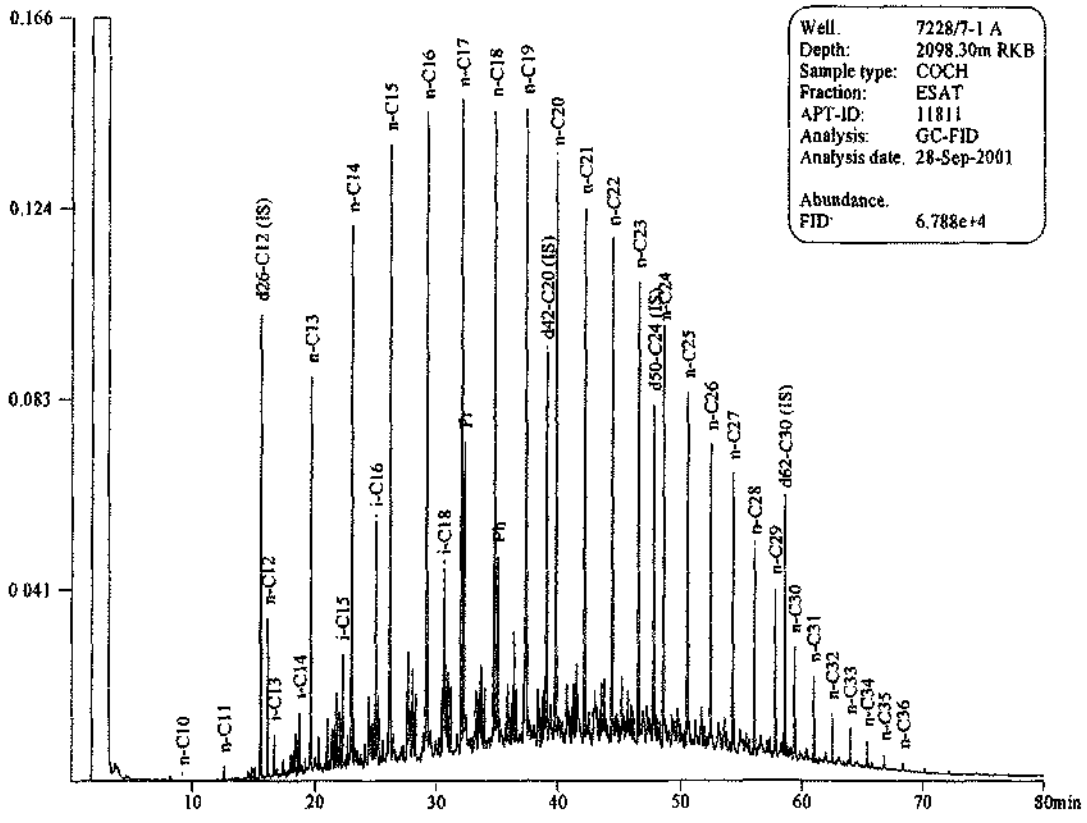

Well: 7228/7-1 A
Depth: 2093.52-2093.54m RKB
Sample type: COCH
Fraction: SAT
APT-ID: 11021
Analysis: GC-FID
Analysis date: 25-Apr-2001
Abundance
FID: 8.290e+3
0.052
0.039
0.026
0.013
n-C10
n-C11
d26-C12 (IS)
n-C12
i-C13
n-C13
i-C14
n-C14
i-C15
n-C15
i-C16
n-C16
i-C18
n-C17
Pr
n-C18
Ph
n-C19
d42-C20 (IS)
n-C20
n-C21
n-C22
n-C23
d50-C24 (IS)
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
d62-C30 (IS)
n-C30
n-C31
n-C32
n-C33
n-C34
n-C35
n-C36
10
20
30
40
50
60
70
80min

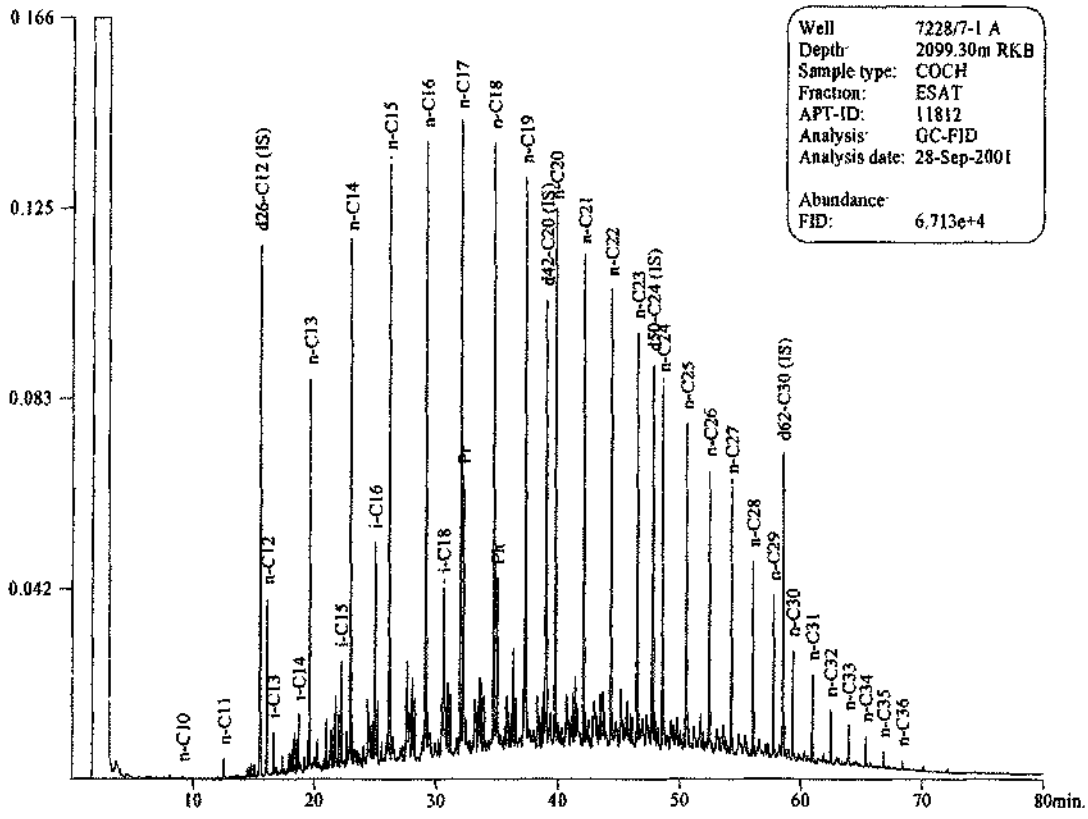

Well: 7228/7-1 A
Depth: 2093.80m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11807
Analysis: GC-FID
Analysis date: 28-Sep-2001
Abundance
FID: 6.905e+4
0.165
0.124
0.083
0.041
n-C10
n-C11
d26-C12 (IS)
n-C12
i-C13
n-C13
i-C14
n-C14
i-C15
n-C15
i-C16
n-C16
i-C18
n-C17
Pr
n-C18
Ph
n-C19
d42-C20 (IS)
n-C20
n-C21
n-C22
n-C23
d50-C24 (IS)
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
d62-C30 (IS)
n-C30
n-C31
n-C32
n-C33
n-C34
n-C35
n-C36
10
20
30
40
50
60
70
80min.

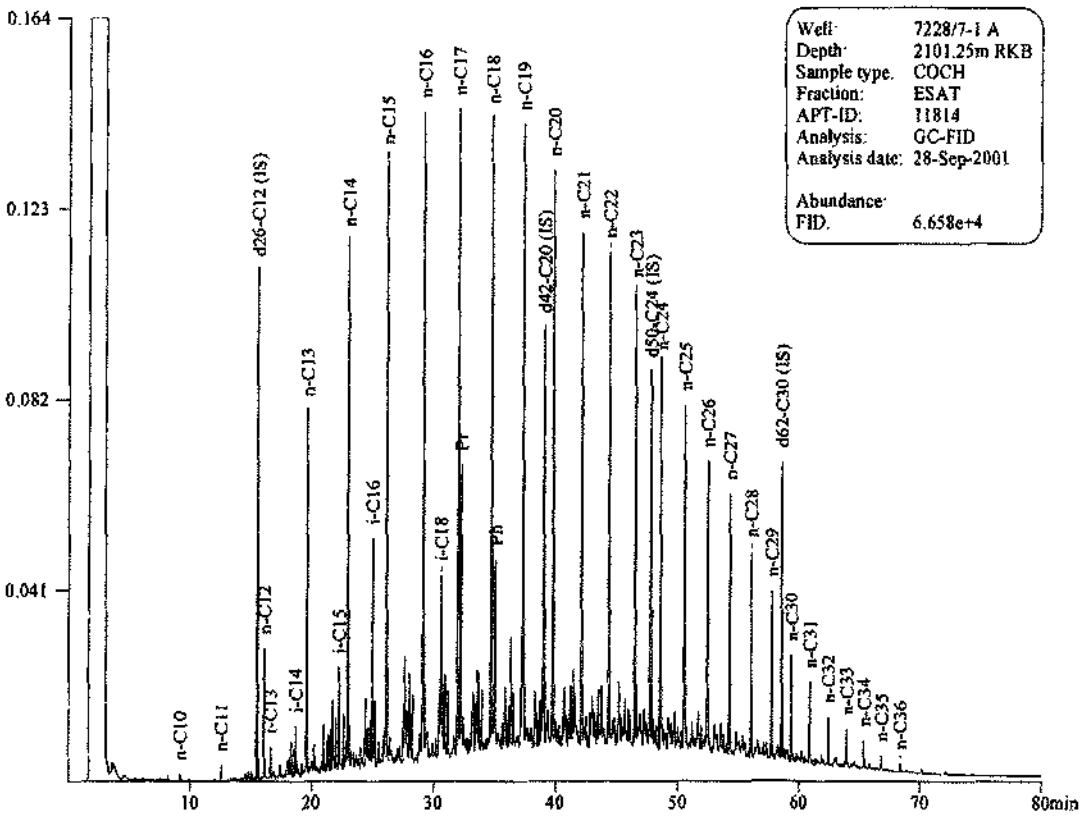

Well: 7228/7-1 A
Depth: 2095m RKB
Sample type COCH
Fraction: ESAT
APT-ID: 11808
Analysis: GC-FID
Analysis date: 28-Sep-2001
Abundance:
FID. 5.319e+4
0.125
0.094
0.063
0.031
n-C10
n-C11
i-C13
n-C12
i-C14
d26-C12 (IS)
n-C13
i-C15
n-C14
i-C16
n-C15
i-C18
n-C16
Pr
n-C17
Ph
n-C18
n-C19
d42-C20 (IS)
n-C20
n-C21
n-C22
n-C23
d50-C24 (IS)
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
d62-C30 (IS)
n-C30
n-C31
n-C32
n-C33
n-C34
n-C35
n-C36
10
20
30
40
50
60
70
80min

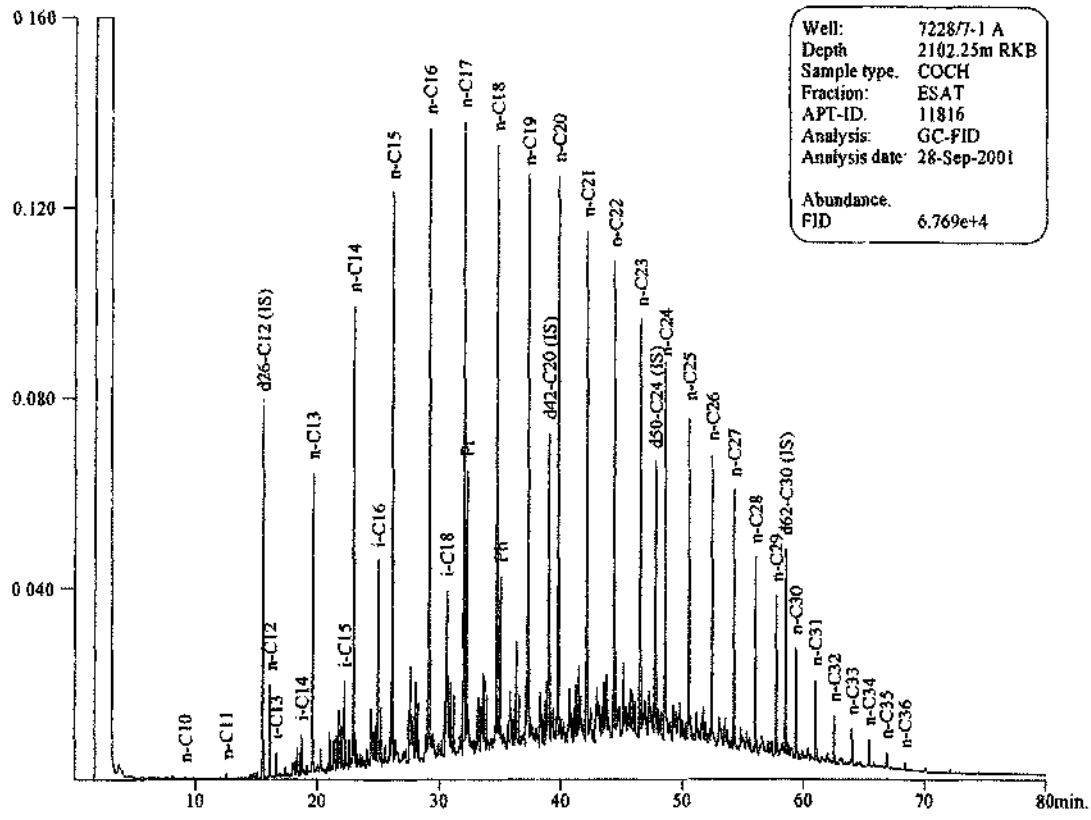

Well: 7228/7-1 A
Depth: 2096m RKB
Sample type COCH
Fraction: ESAT
APT-ID: 11809
Analysis: GC-FID
Analysis date: 28-Sep-2001
Abundance:
FID: 3.719e+4
0.087
0.065
0.043
0.022
n-C10
n-C11
i-C13
n-C12
i-C14
d26-C12 (IS)
n-C13
i-C15
n-C14
i-C16
n-C15
i-C18
n-C16
Pr
n-C17
Ph
n-C18
n-C19
d42-C20 (IS)
n-C20
n-C21
n-C22
n-C23
d50-C24 (IS)
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
d62-C30 (IS)
n-C30
n-C31
n-C32
n-C33
n-C34
n-C35
n-C36
10
20
30
40
50
60
70
80min.

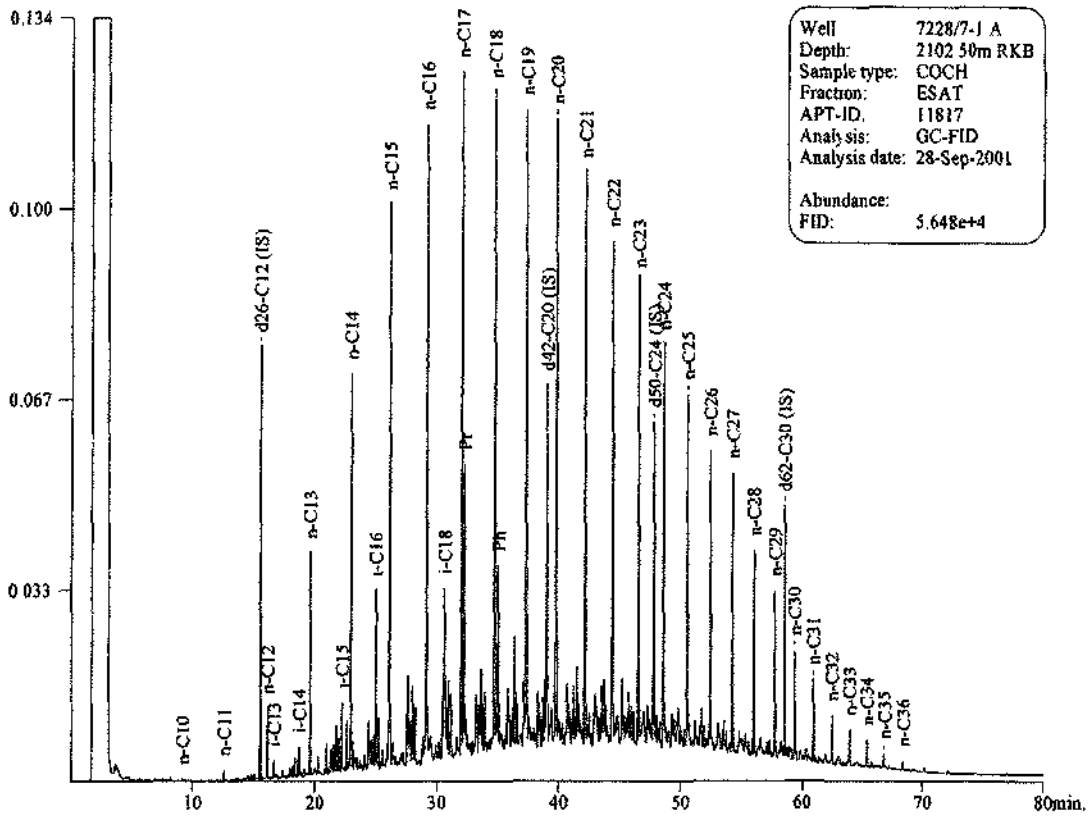

Well: 7228/7-1 A
Depth: 2097m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11810
Analysis: GC-FID
Analysis date: 28-Sep-2001
Abundance:
FID: 4.534e+4
0.112
0.084
0.056
0.028
n-C10
n-C11
i-C13
n-C12
i-C14
i-C15
n-C13
n-C14
i-C16
n-C15
i-C18
n-C16
n-C17
Pr
n-C18
Ph
n-C19
n-C20
n-C21
n-C22
n-C23
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
n-C30
n-C31
n-C32
n-C33
n-C34
n-C35
n-C36
d62-C30 (IS)
10
20
30
40
50
60
70
80min.

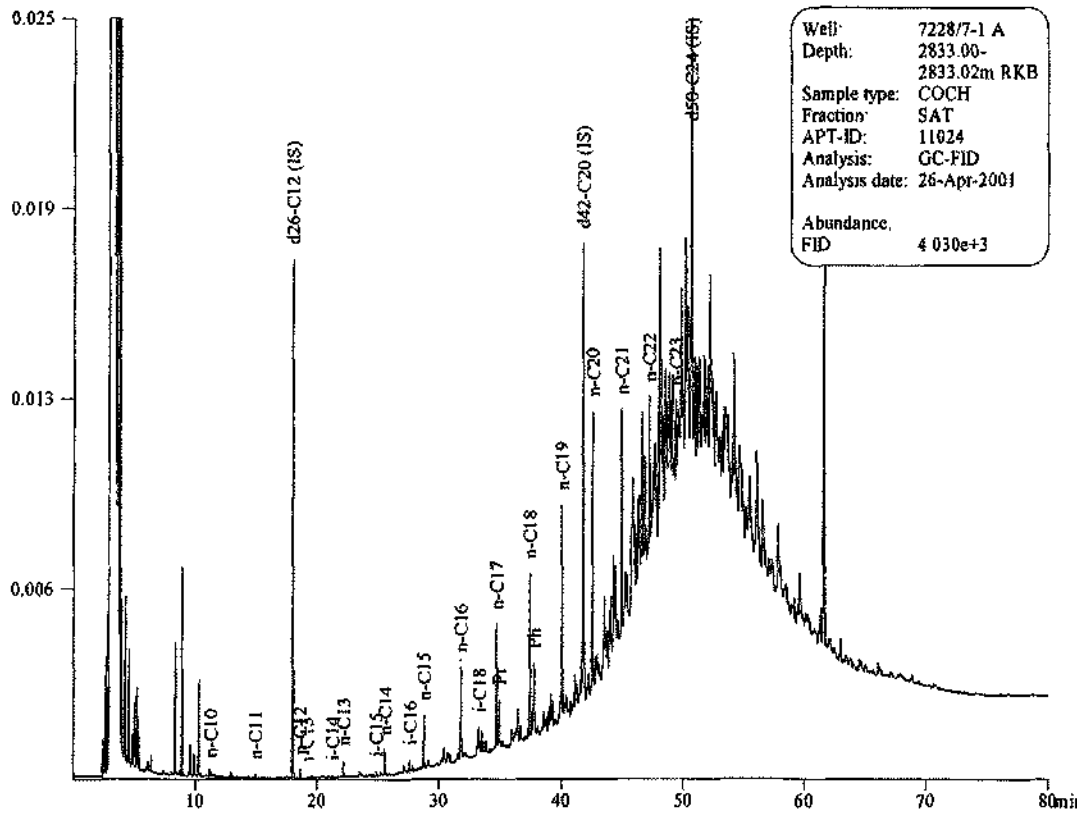

Well: 7228/7-1 A
Depth: 2098.30m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11811
Analysis: GC-FID
Analysis date: 28-Sep-2001
Abundance:
FID: 6.788e+4
0.166
0.124
0.083
0.041
n-C10
n-C11
i-C13
n-C12
i-C14
i-C15
d26-C12 (IS)
n-C13
n-C14
i-C16
n-C15
i-C18
n-C16
n-C17
Pr
n-C18
Ph
n-C19
d42-C20 (IS)
n-C20
n-C21
n-C22
n-C23
d50-C24 (IS)
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
d62-C30 (IS)
n-C30
n-C31
n-C32
n-C33
n-C34
n-C35
n-C36
10
20
30
40
50
60
70
80min


Well 7228/7-1 A
Depth 2099.30m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11812
Analysis: GC-FID
Analysis date: 28-Sep-2001
Abundance
FID: 6.713e+4
0.166
0.125
0.083
0.042
n-C10
n-C11
i-C13
i-C14
d26-C12 (IS)
n-C12
n-C13
i-C15
n-C14
i-C16
n-C15
i-C18
n-C16
Pr
n-C17
Ph
n-C18
n-C19
d42-C20 (IS)
n-C20
n-C21
n-C22
n-C23
d50-C24 (IS)
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
n-C30
n-C31
n-C32
n-C33
n-C34
n-C35
n-C36
d62-C30 (IS)
10
20
30
40
50
60
70
80min.

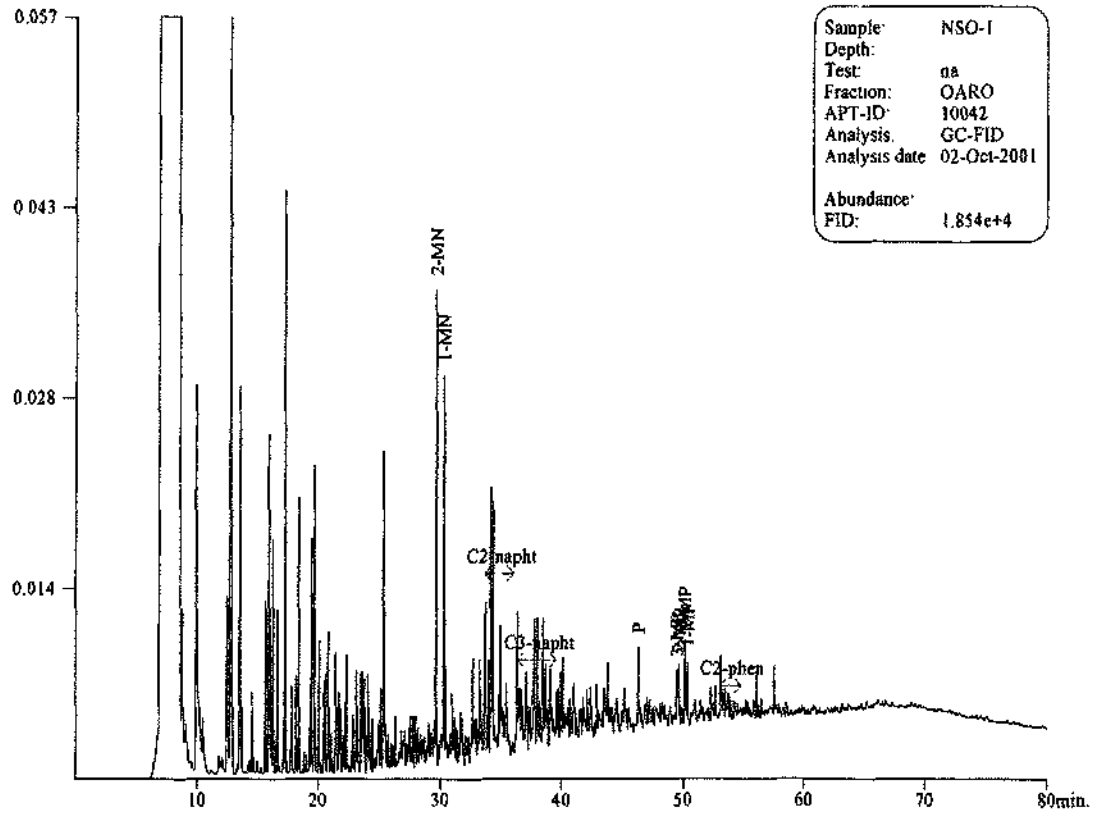

Well 7228/7-1 A
Depth 2101.25m RKB
Sample type. COCH
Fraction: ESAT
APT-ID: 11814
Analysis: GC-FID
Analysis date: 28-Sep-2001
Abundance
FID. 6.658e+4
0.164
0.123
0.082
0.041
n-C10
n-C11
i-C13
i-C14
d26-C12 (IS)
n-C12
n-C13
i-C15
n-C14
i-C16
n-C15
i-C18
n-C16
Pr
n-C17
Ph
n-C18
n-C19
d42-C20 (IS)
n-C20
n-C21
n-C22
n-C23
d50-C24 (IS)
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
n-C30
n-C31
n-C32
n-C33
n-C34
n-C35
n-C36
d62-C30 (IS)
10
20
30
40
50
60
70
80min

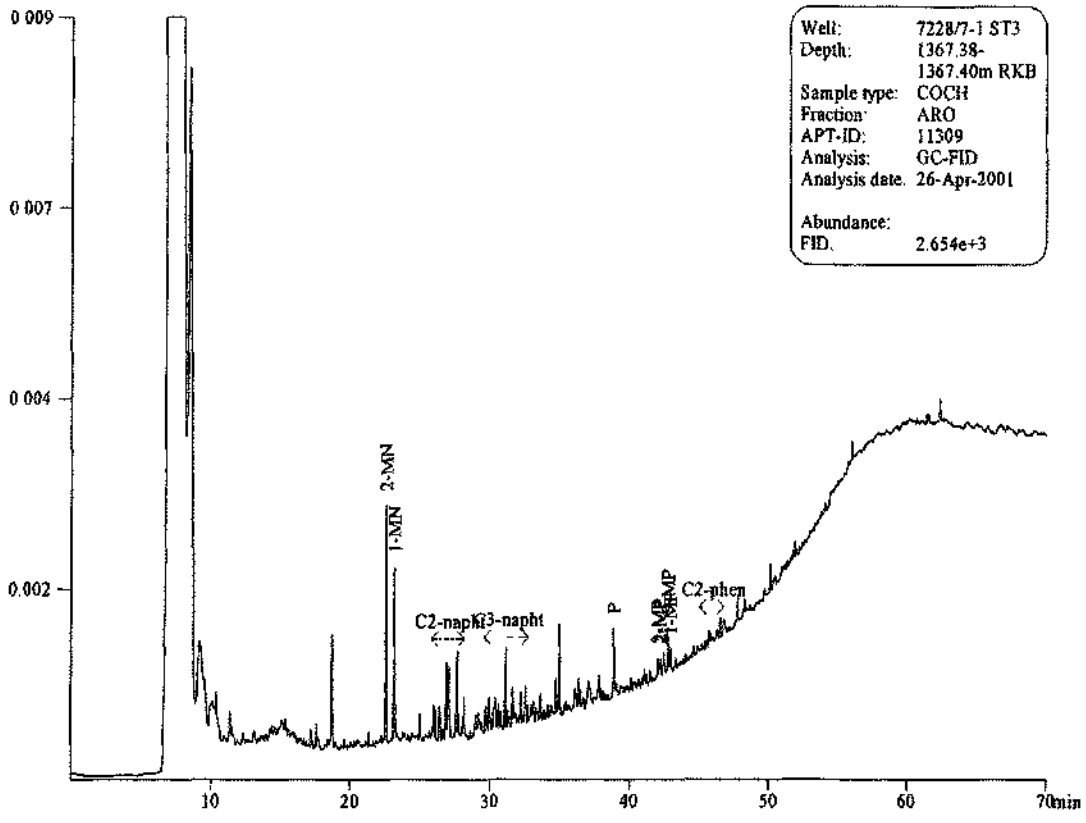

Well: 7228/7-1 A
Depth 2102.25m RKB
Sample type. COCH
Fraction: ESAT
APT-ID. 11816
Analysis: GC-FID
Analysis date: 28-Sep-2001
Abundance.
FID 6.769e+4
0.160
0.120
0.080
0.040
n-C10
n-C11
n-C12
i-C13
d26-C12 (IS)
n-C13
i-C14
n-C14
i-C15
n-C15
i-C16
n-C16
i-C18
n-C17
Pr
n-C18
Ph
n-C19
d42-C20 (IS)
n-C20
n-C21
n-C22
n-C23
d50-C24 (IS)
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
d62-C30 (IS)
n-C30
n-C31
n-C32
n-C33
n-C34
n-C35
n-C36
10
20
30
40
50
60
70
80min.

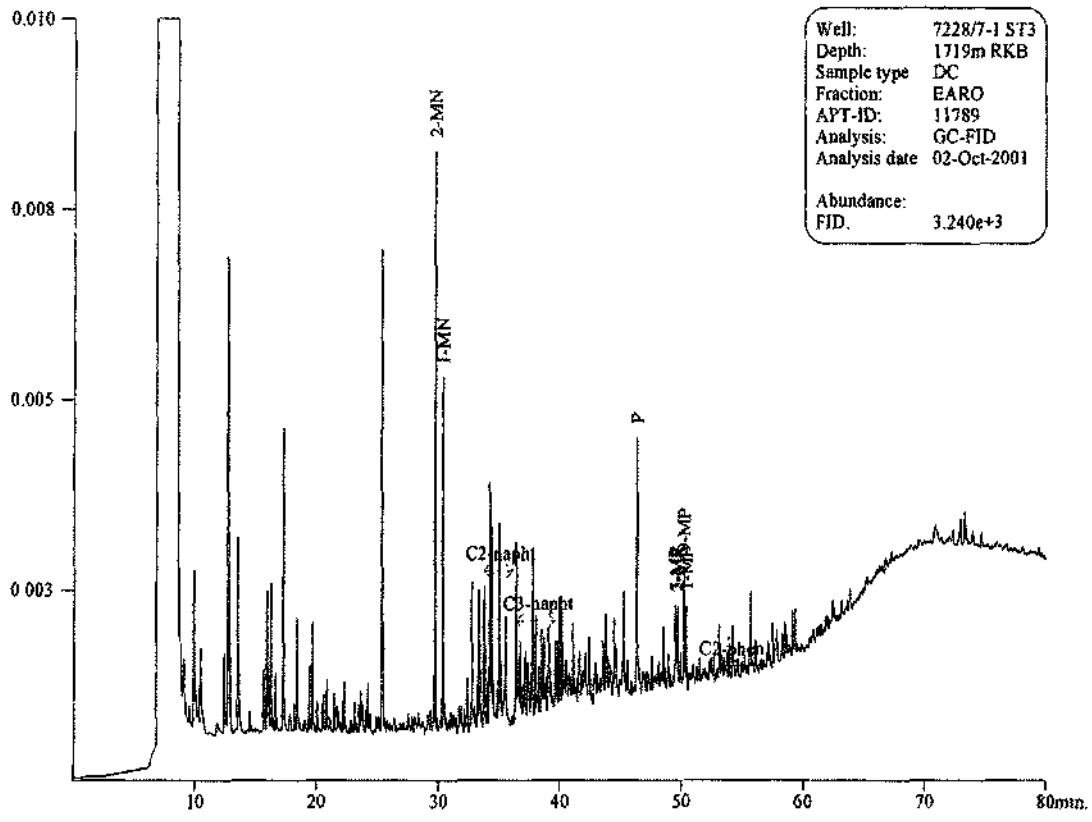

Well 7228/7-1 A
Depth: 2102.50m RKB
Sample type: COCH
Fraction: ESAT
APT-ID. 11817
Analysis: GC-FID
Analysis date: 28-Sep-2001
Abundance:
FID: 5.648e+4
0.134
0.100
0.067
0.033
n-C10
n-C11
n-C12
i-C13
d26-C12 (IS)
n-C13
i-C14
n-C14
i-C15
n-C15
i-C16
n-C16
i-C18
n-C17
Pr
n-C18
Ph
n-C19
d42-C20 (IS)
n-C20
n-C21
n-C22
n-C23
d50-C24 (IS)
n-C24
n-C25
n-C26
n-C27
n-C28
n-C29
d62-C30 (IS)
n-C30
n-C31
n-C32
n-C33
n-C34
n-C35
n-C36
10
20
30
40
50
60
70
80min.

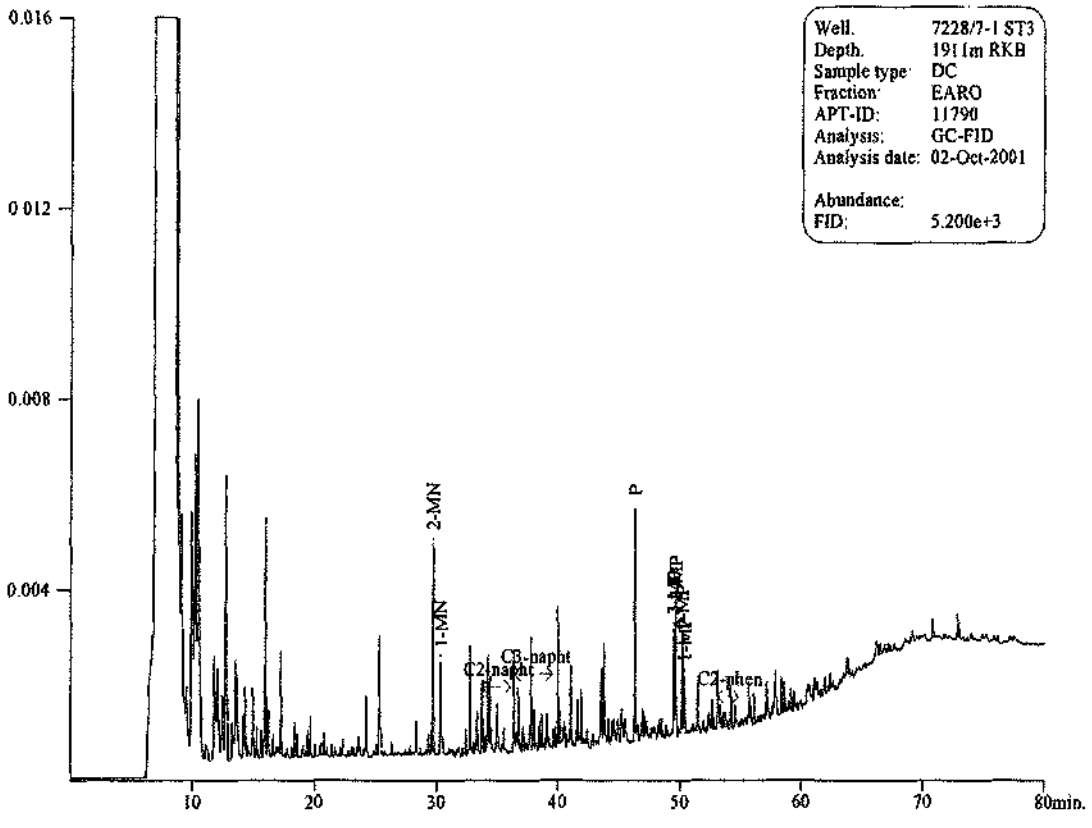

Well: 7228/7-1 A
Depth: 2833.00-2833.02m RKB
Sample type: COCH
Fraction: SAT
APT-ID: 11024
Analysis: GC-FID
Analysis date: 26-Apr-2001
Abundance
FID 4.030e+3
0.025
0.019
0.013
0.006
d26-C12 (IS)
n-C10
n-C11
i-C12
n-C12
i-C13
n-C13
i-C14
n-C14
i-C15
n-C15
i-C16
n-C16
i-C17
n-C17
Pr
i-C18
n-C18
Ph
n-C19
d42-C20 (IS)
n-C20
n-C21
n-C22
n-C23
d50-C24 (IS)
10
20
30
40
50
60
70
80min

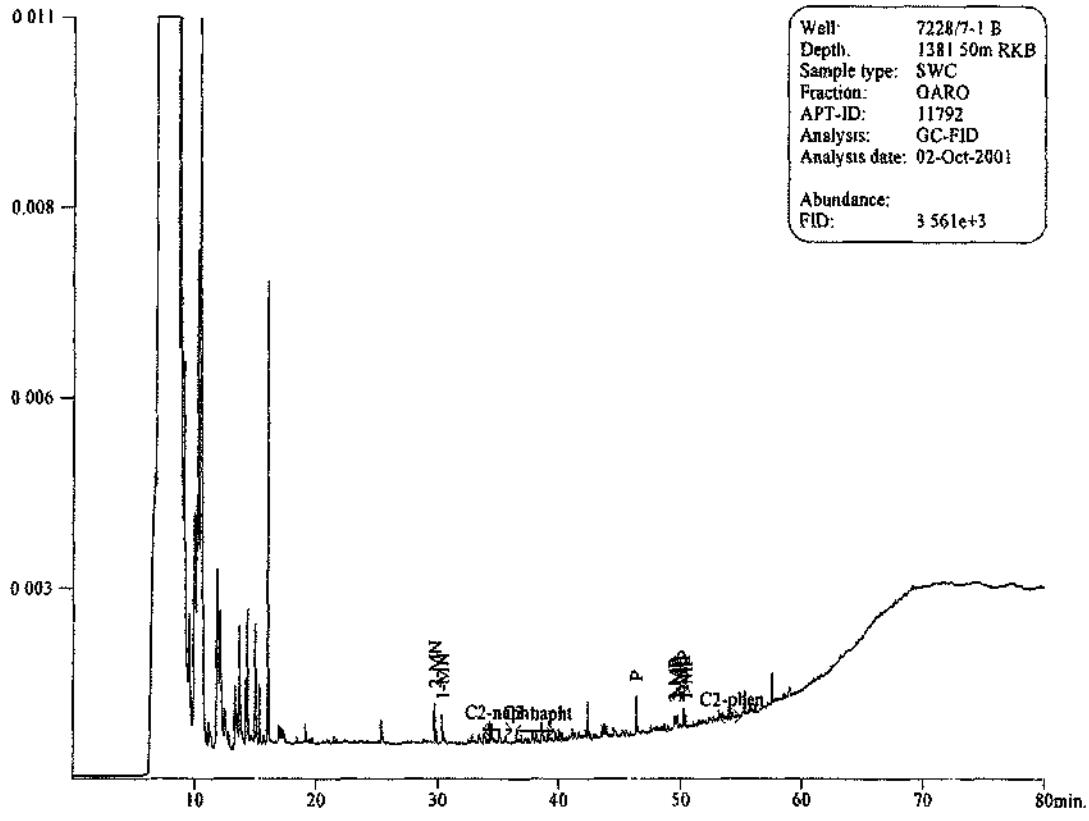
GC Chromatograms of Aromatic Hydrocarbons

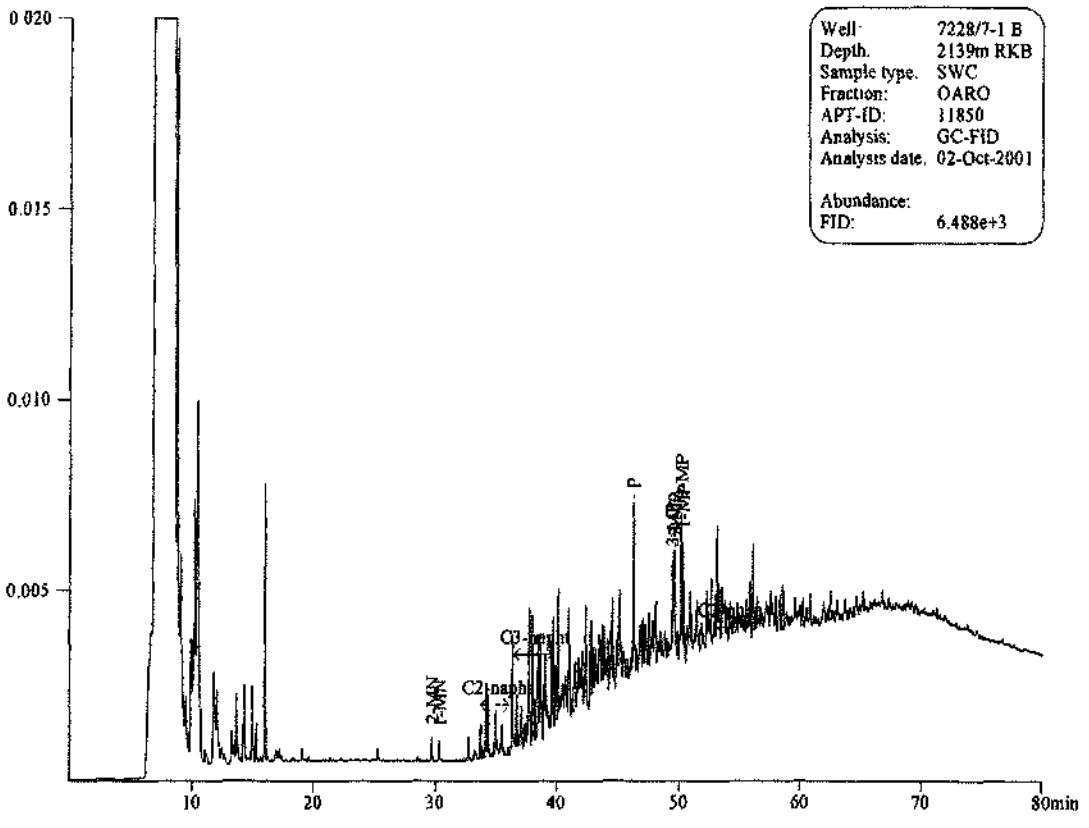

Sample: NSO-1
Depth:
Test: na
Fraction: OARO
APT-ID: 10042
Analysis: GC-FID
Analysis date: 02-Oct-2001
Abundance:
FID: 1.854e+4
0.057
0.043
0.028
0.014
2-MN
1-MN
C2-napht
C3-napht
P
C2-phen
10
20
30
40
50
60
70
80min.

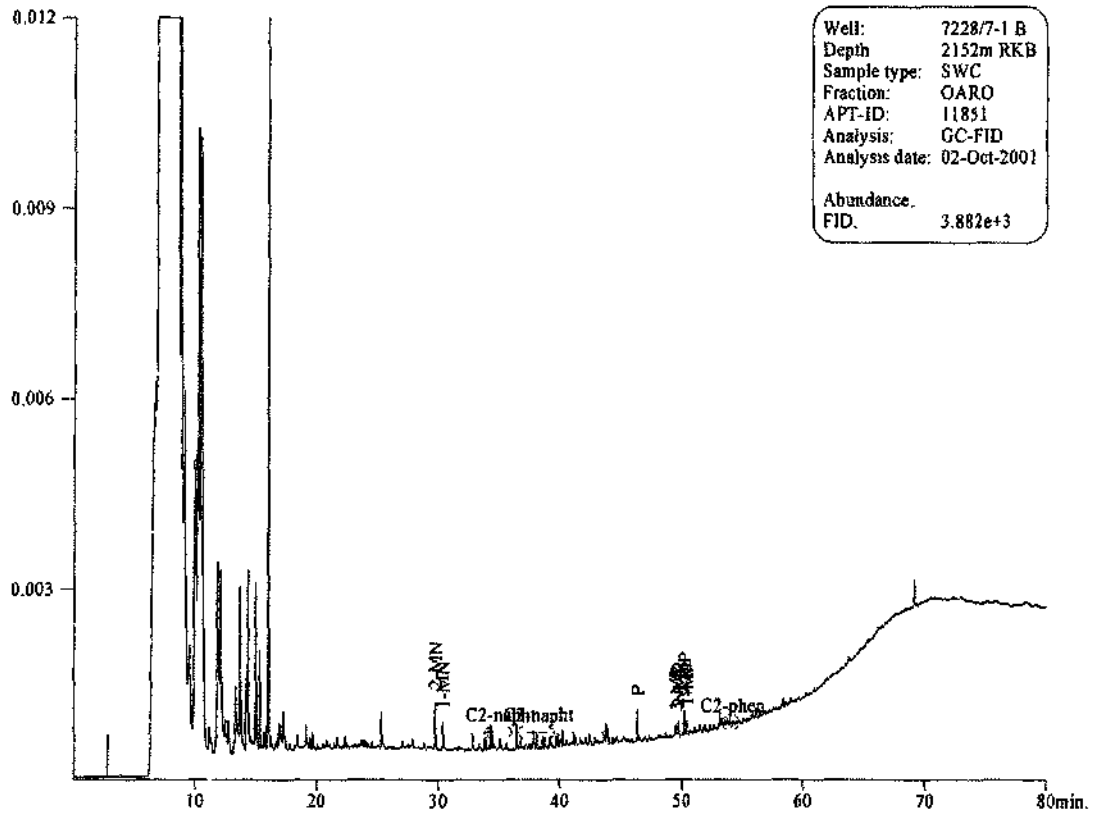

Well: 7228/7-1 ST3
Depth: 1367.38-1367.40m RKB
Sample type: COCH
Fraction: ARO
APT-ID: 11309
Analysis: GC-FID
Analysis date: 26-Apr-2001
Abundance:
FID: 2.654e+3
0.009
0.007
0.004
0.002
2-MN
1-MN
C2-napht
C3-napht
P
C2-phen
10
20
30
40
50
60
70min

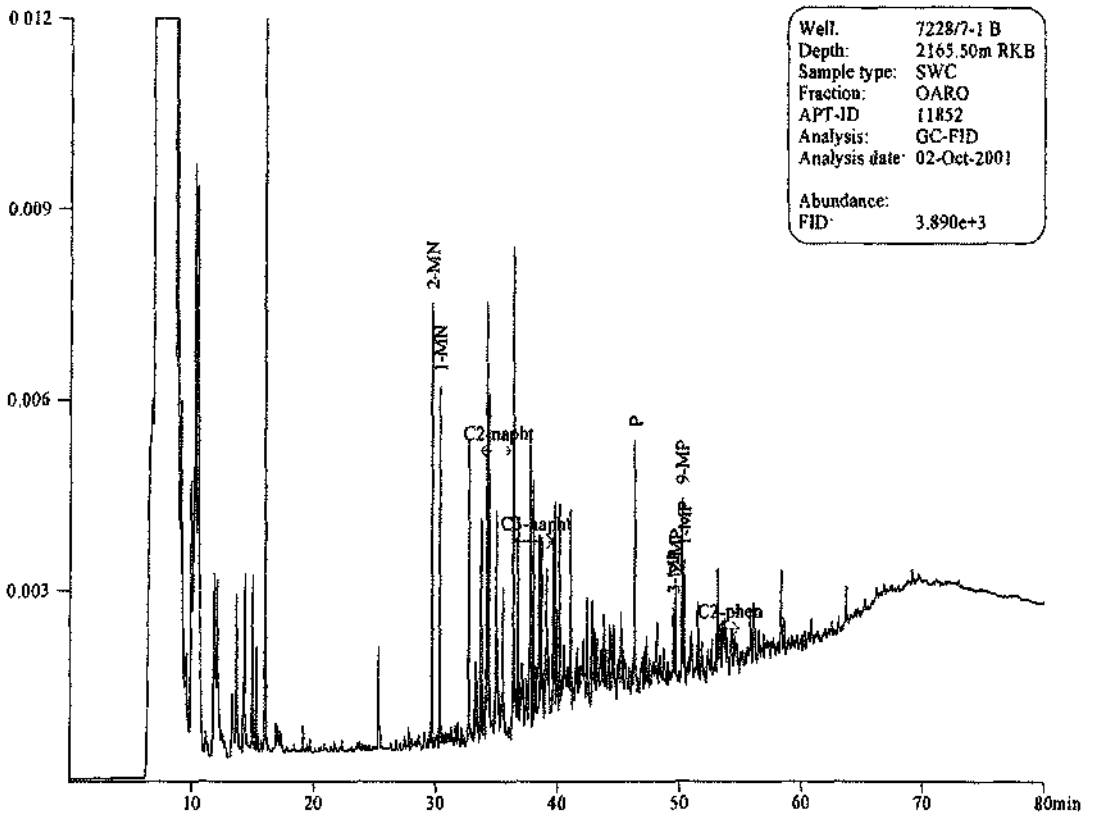

Well: 7228/7-1 ST3
Depth: 1719m RKB
Sample type DC
Fraction: EARO
APT-ID: 11789
Analysis: GC-FID
Analysis date 02-Oct-2001
Abundance:
FID. 3.240e+3
0.010
0.008
0.005
0 003
2-MN
1-MN
P
C2-naph
C3-naph
C2-phen
10
20
30
40
50
60
70
80min.

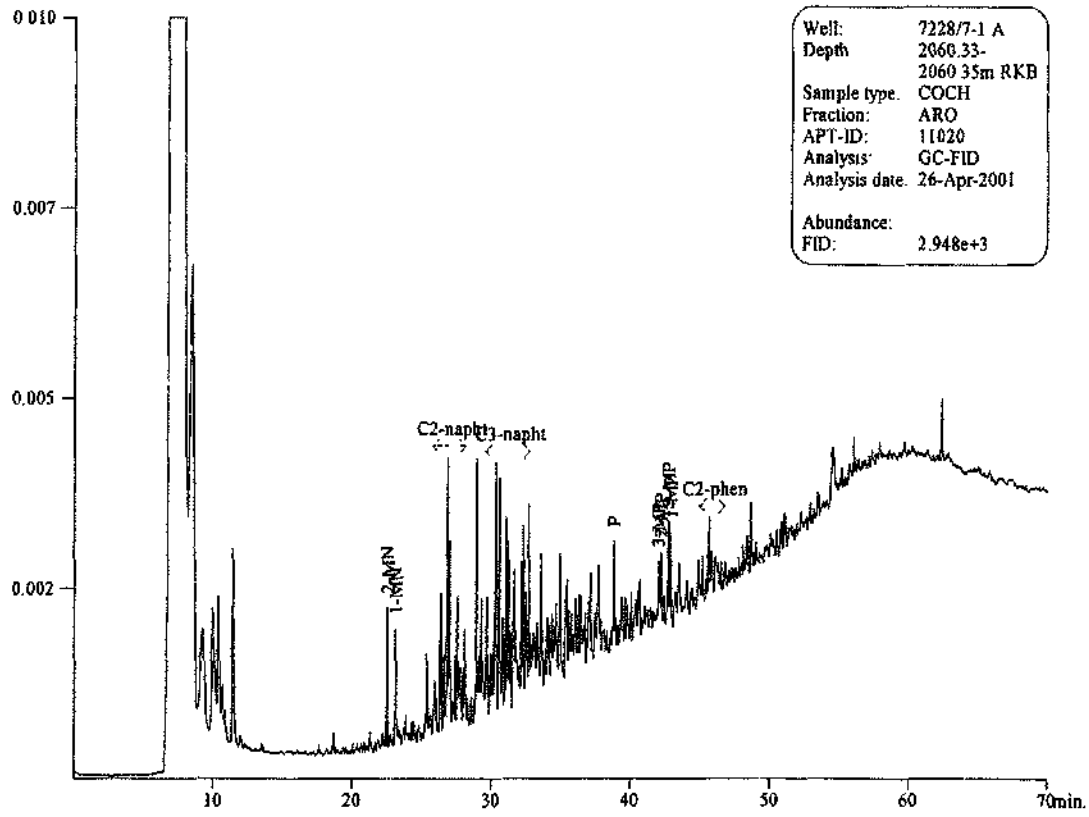

Well. 7228/7-1 ST3
Depth. 1911m RKB
Sample type DC
Fraction EARO
APT-ID: 11790
Analysis: GC-FID
Analysis date: 02-Oct-2001
Abundance:
FID: 5.200e+3
0.016
0 012
0.008
0.004
2-MN
1-MN
P
C3-naph
C2-naph
C2-phen
10
20
30
40
50
60
70
80min.

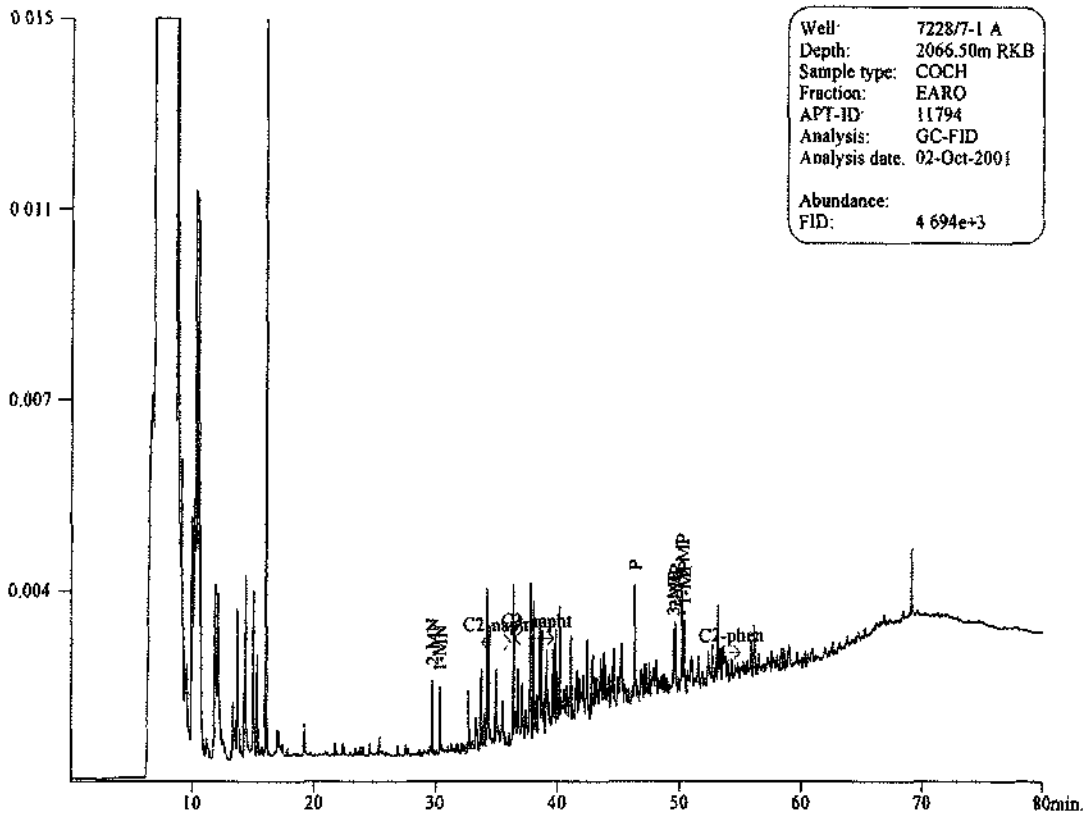

Well: 7228/7-1 B
Depth: 1381 50m RKB
Sample type: SWC
Fraction: OARO
APT-ID: 11792
Analysis: GC-FID
Analysis date: 02-Oct-2001
Abundance:
FID: 3 561e+3
0 011
0.008
0 006
0 003
1-MN
C2-naphth
P
C2-phen
10
20
30
40
50
60
70
80min.

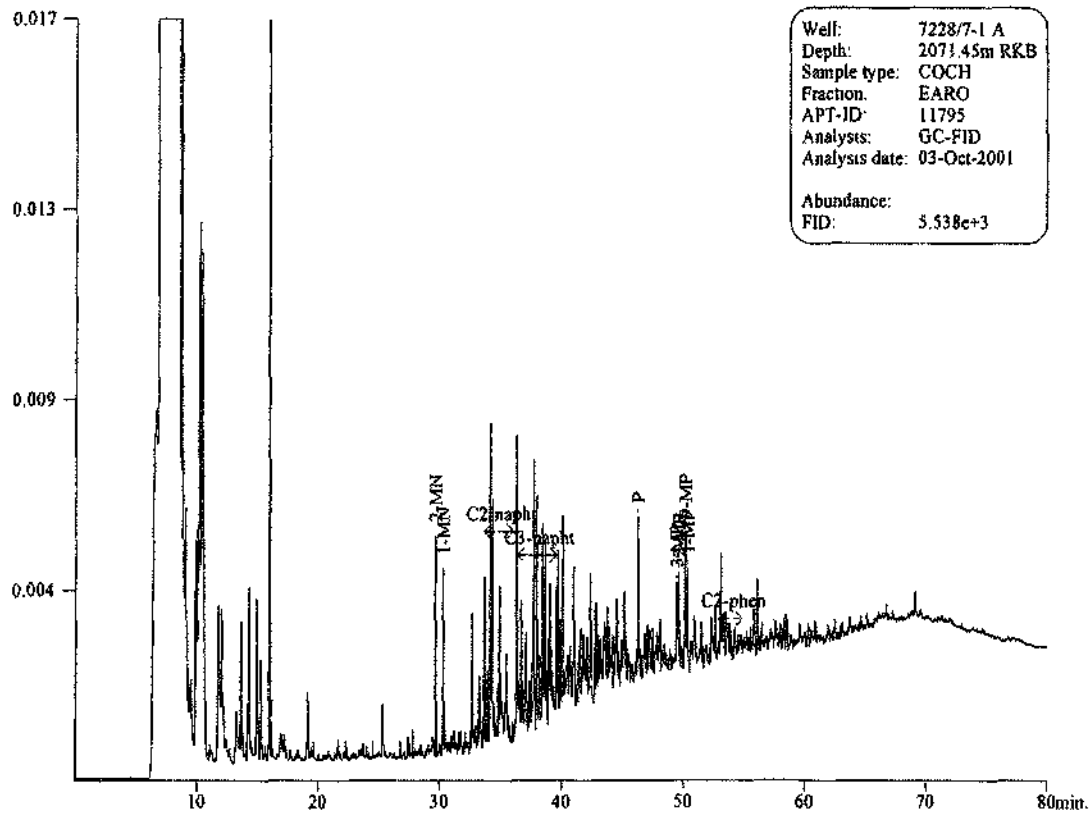

Well: 7228/7-1 B
Depth: 2139m RKB
Sample type: SWC
Fraction: OARO
APT-ID: 11850
Analysis: GC-FID
Analysis date: 02-Oct-2001
Abundance:
FID: 6.488e+3
0 020
0.015
0.010
0.005
2-MN
C2-naph
P
10
20
30
40
50
60
70
80min

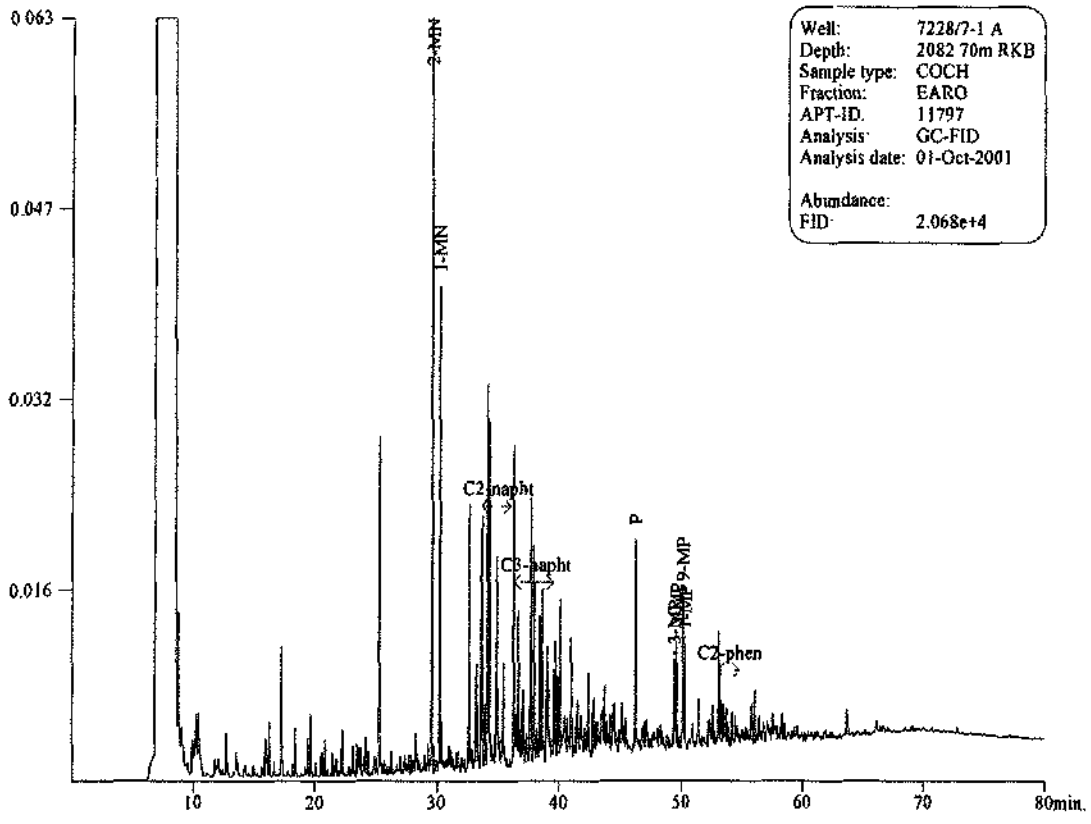

Well: 7228/7-1 B
Depth 2152m RKB
Sample type: SWC
Fraction: OARO
APT-ID: 11851
Analysis: GC-FID
Analysis date: 02-Oct-2001
Abundance
FID. 3.882e+3
0.012
0.009
0.006
0.003
2-MN
1-MN
P
C2-phen
10
20
30
40
50
60
70
80min.

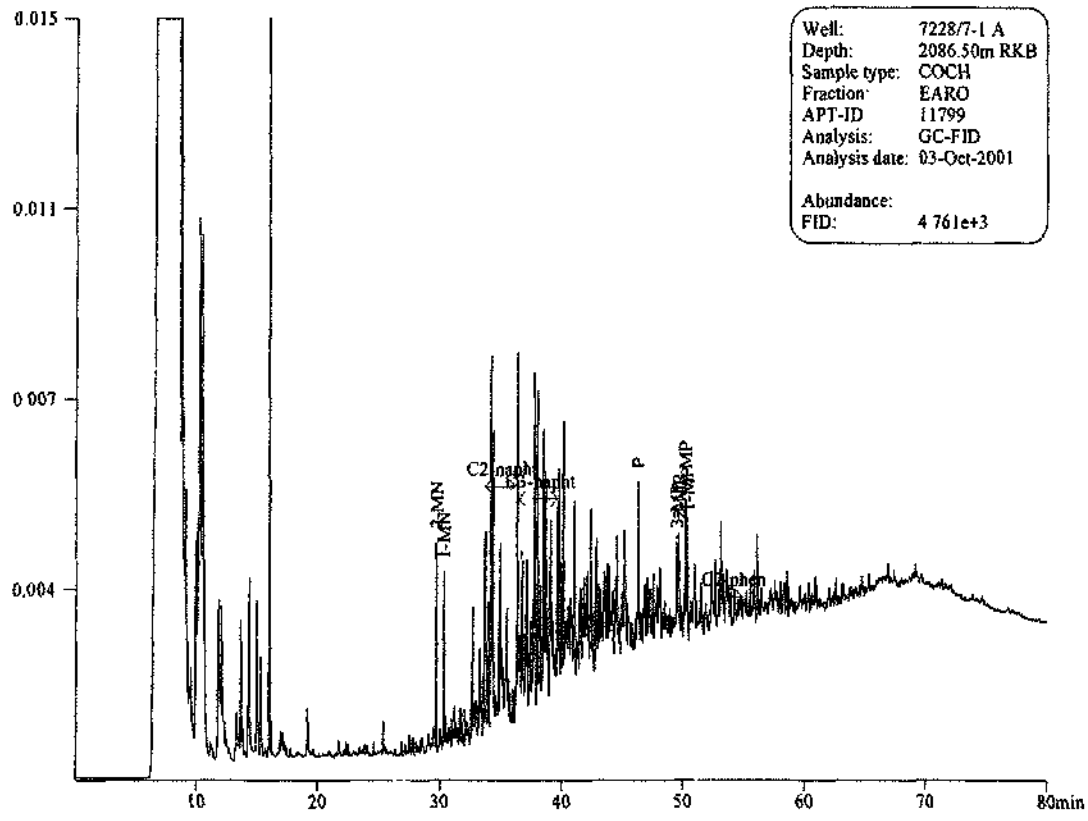

Well. 7228/7-1 B
Depth: 2165.50m RKB
Sample type: SWC
Fraction: OARO
APT-ID 11852
Analysis: GC-FID
Analysis date: 02-Oct-2001
Abundance:
FID 3.890e+3
0.012
0.009
0.006
0.003
2-MN
1-MN
P
9-MP
C2-phen
10
20
30
40
50
60
70
80min

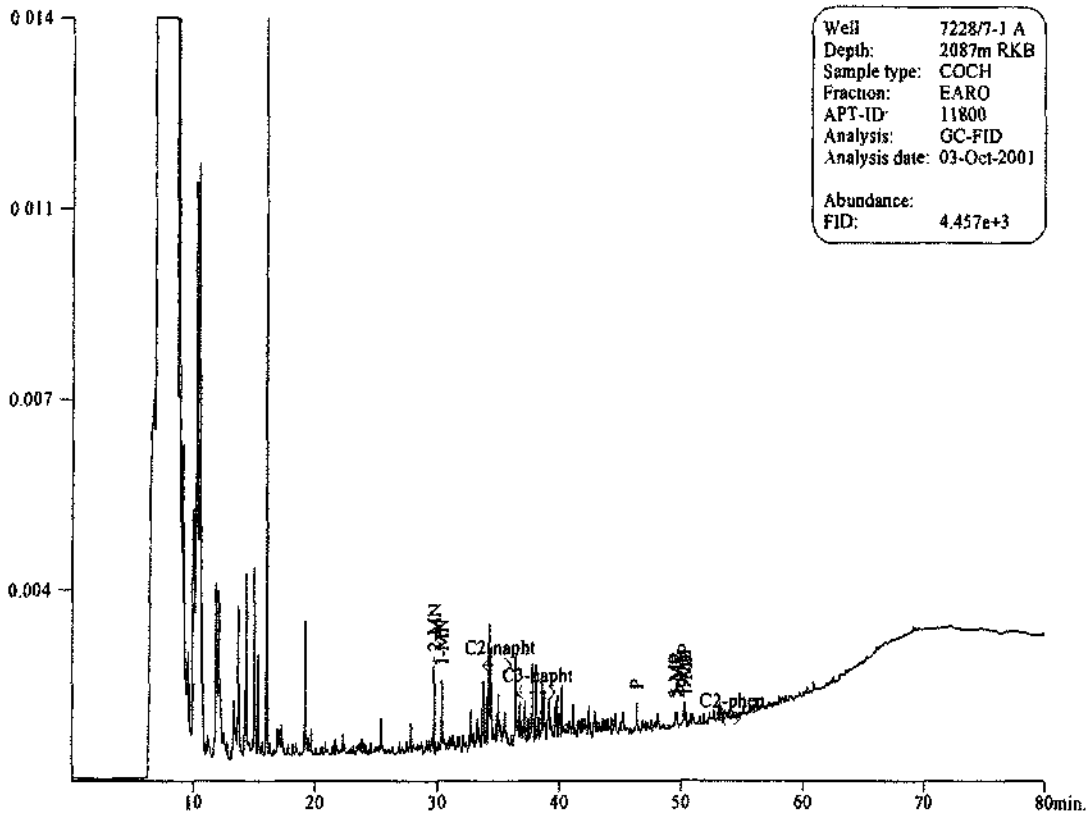

Well: 7228/7-1 A
Depth 2060.33-2060.35m RKB
Sample type. COCH
Fraction: ARO
APT-ID: 11020
Analysis: GC-FID
Analysis date. 26-Apr-2001
Abundance:
FID: 2.948e+3
0.010
0.007
0.005
0.002
1-2MN
C2-naphth
C3-naphth
P
C2-phen
10
20
30
40
50
60
70min.

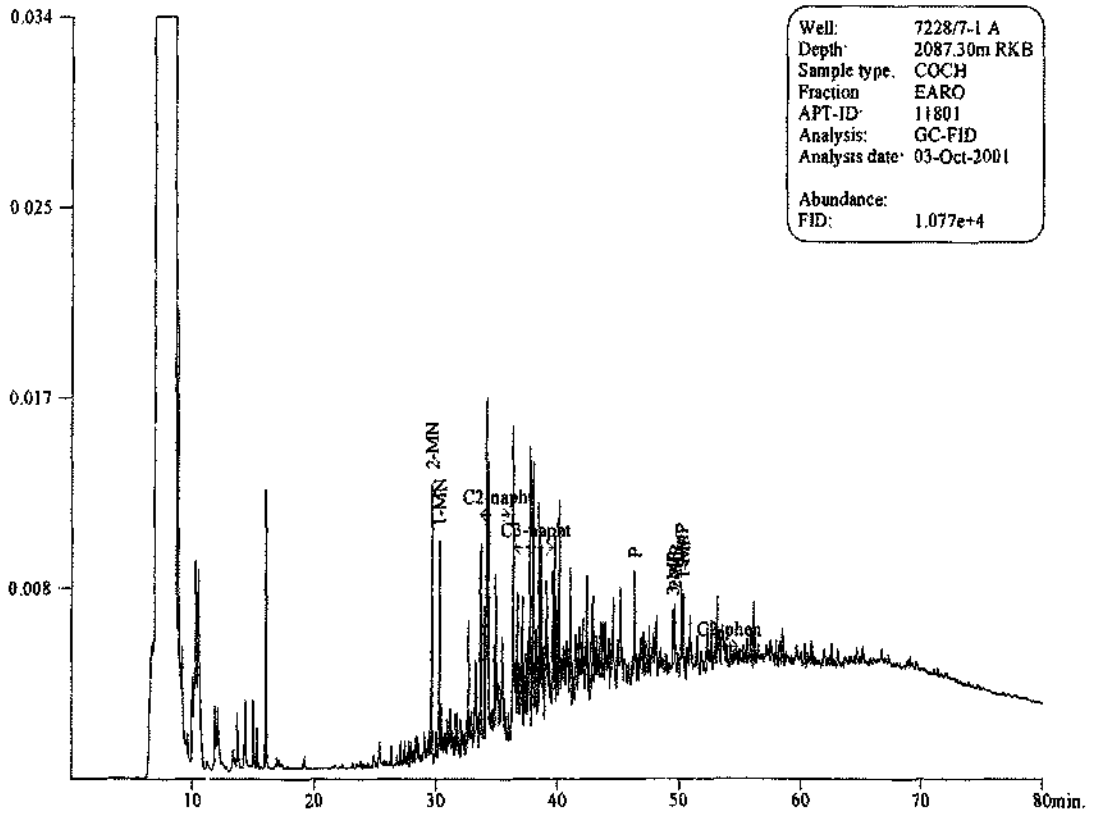

Well: 7228/7-1 A
Depth: 2066.50m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11794
Analysis: GC-FID
Analysis date. 02-Oct-2001
Abundance:
FID: 4.694e+3
0.015
0.011
0.007
0.004
1-2MN
C2-naphth
P
C2-phen
10
20
30
40
50
60
70
80min.

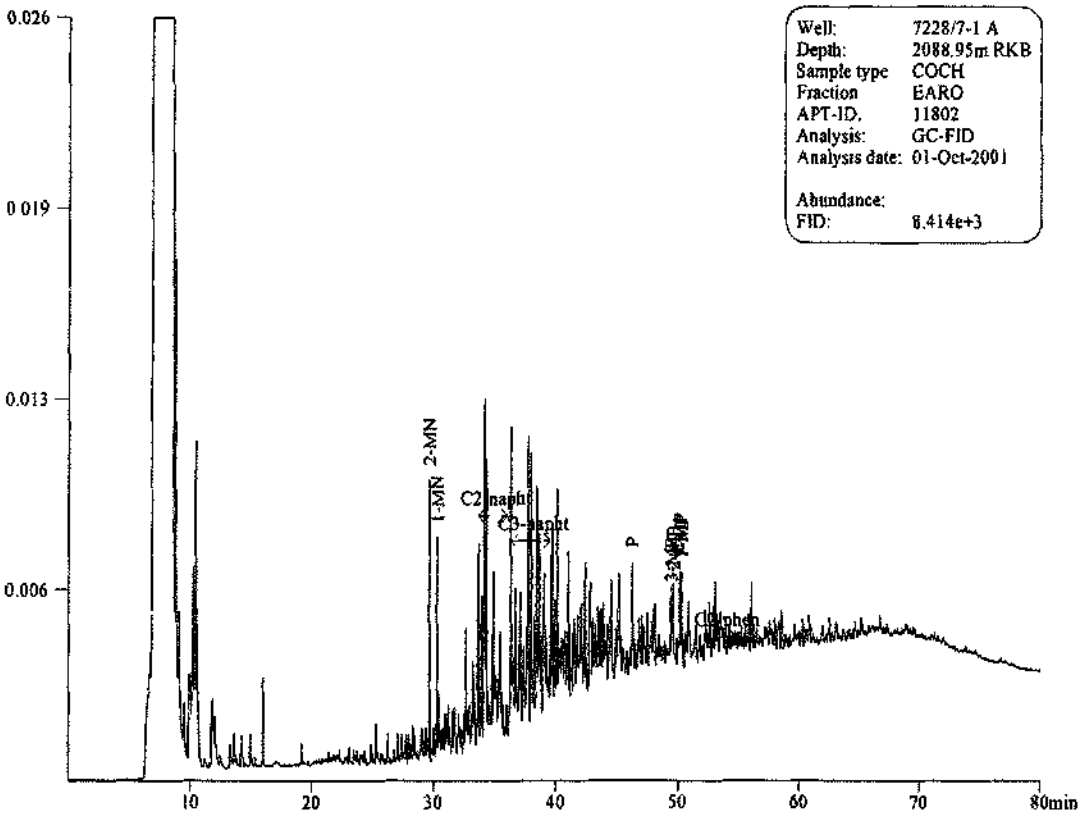

Well: 7228/7-1 A
Depth: 2071.45m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11795
Analysis: GC-FID
Analysis date: 03-Oct-2001
Abundance:
FID: 5.538e+3
0.017
0.013
0.009
0.004
2-MN
1-MN
C2-napht
C3-napht
P
3-MP
1-MP
9-MP
C2-phen
10
20
30
40
50
60
70
80min.

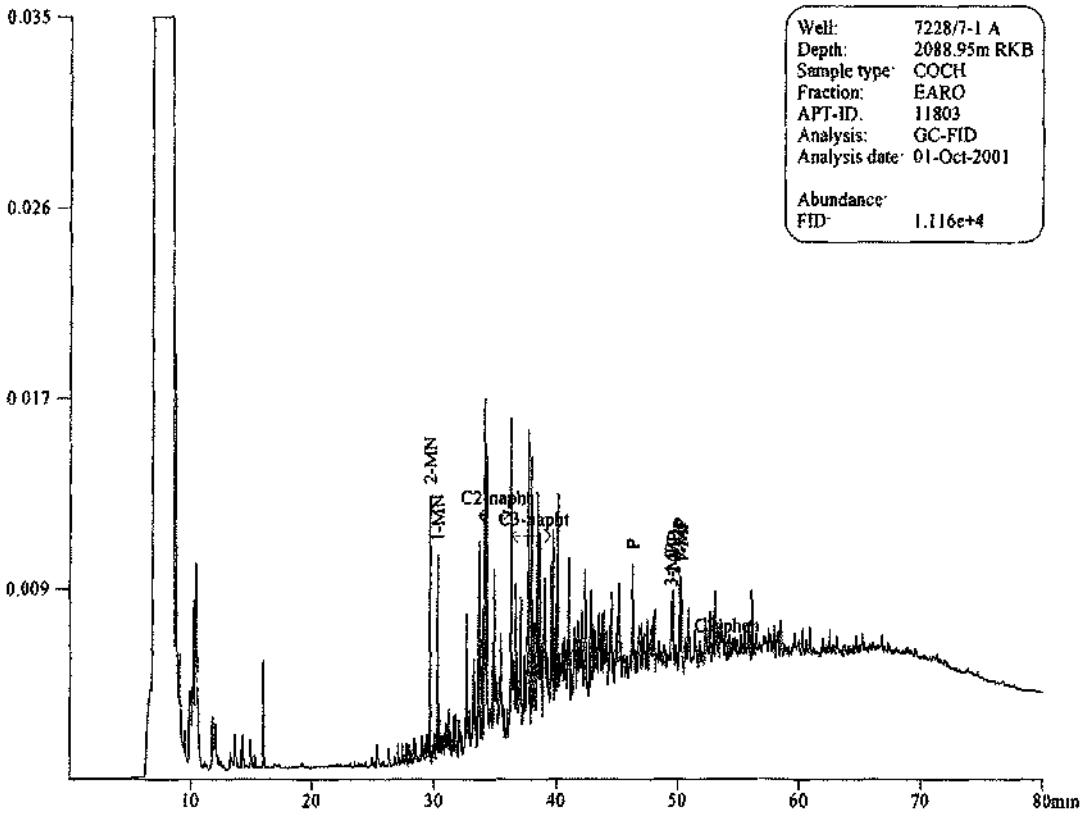

Well: 7228/7-1 A
Depth: 2082.70m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11797
Analysis: GC-FID
Analysis date: 01-Oct-2001
Abundance:
FID: 2.068e+4
0.063
0.047
0.032
0.016
2-MN
1-MN
C2-napht
C3-napht
P
3-MP
1-MP
9-MP
C2-phen
10
20
30
40
50
60
70
80min.

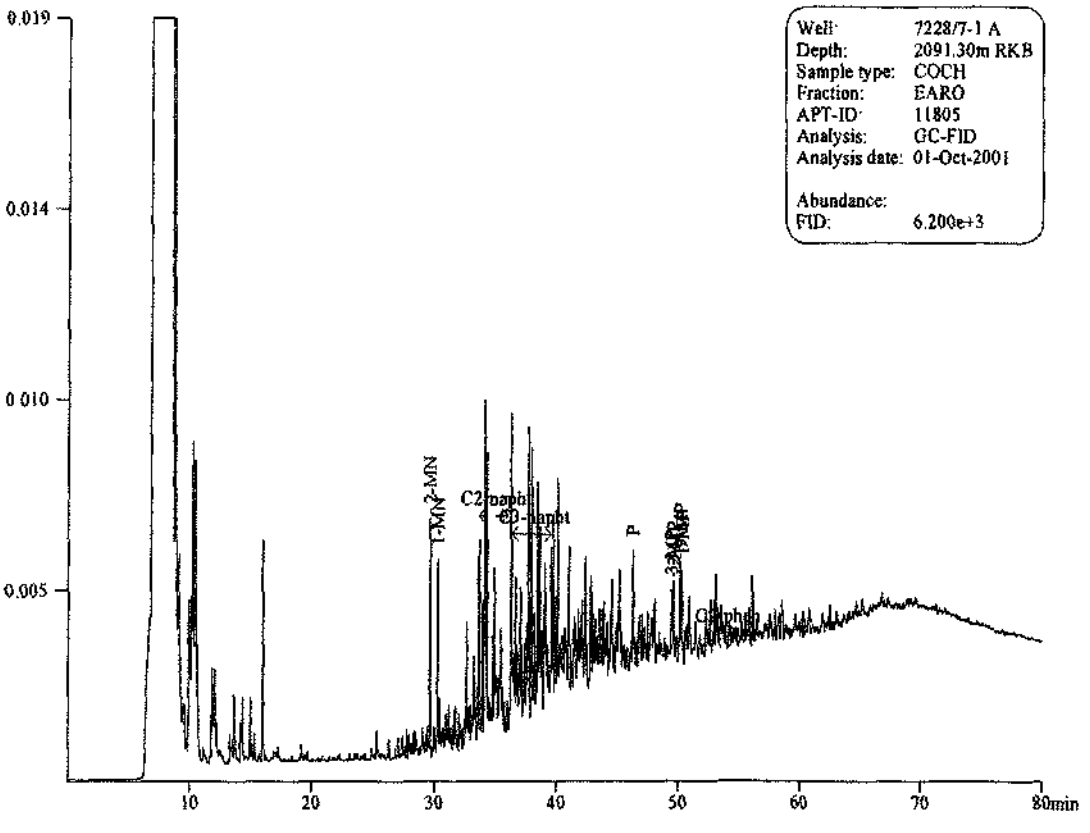

Well: 7228/7-1 A
Depth: 2086.50m RKB
Sample type: COCH
Fraction: EARO
APT-ID 11799
Analysis: GC-FID
Analysis date: 03-Oct-2001
Abundance:
FID: 4.761e+3
0.015
0.011
0.007
0.004
T-2MN
C2-naph
C3-naph
P
C2-phen
10
20
30
40
50
60
70
80min

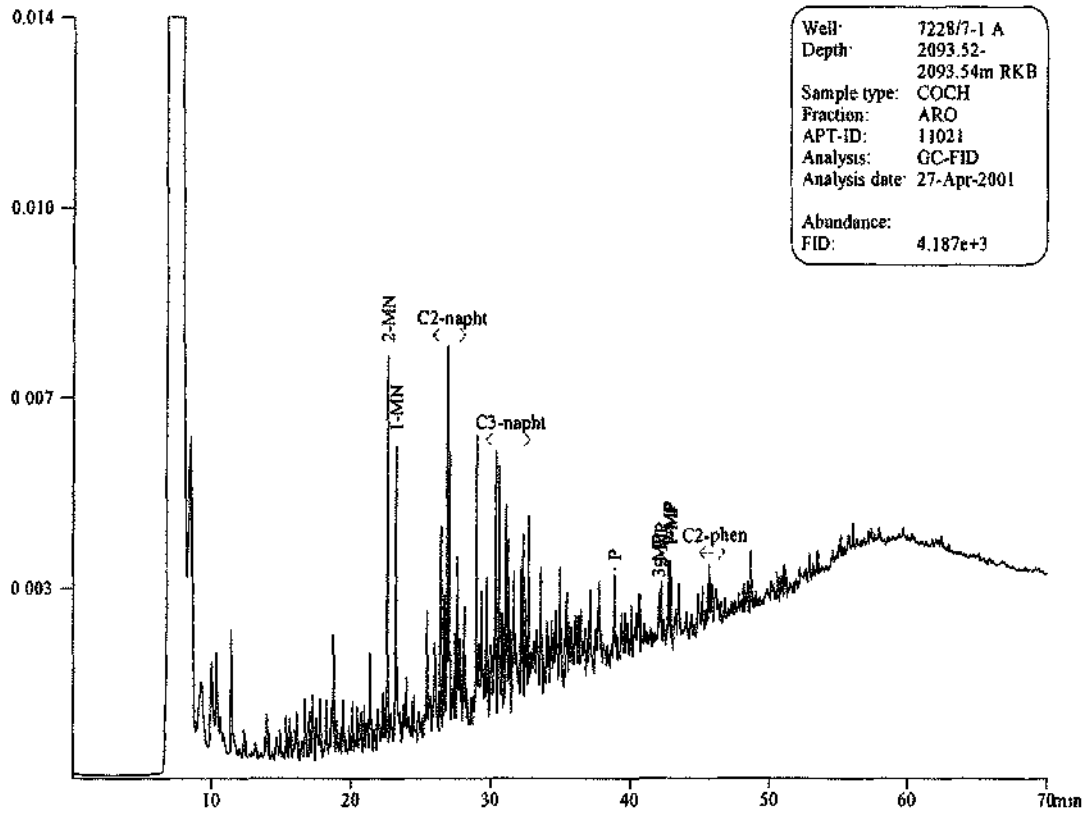

Well 7228/7-1 A
Depth: 2087m RKB
Sample type: COCH
Fraction: EARO
APT-ID 11800
Analysis: GC-FID
Analysis date: 03-Oct-2001
Abundance:
FID: 4.457e+3
0.014
0.011
0.007
0.004
T-2MN
C2-naph
C3-naph
P
C2-phen
10
20
30
40
50
60
70
80min.

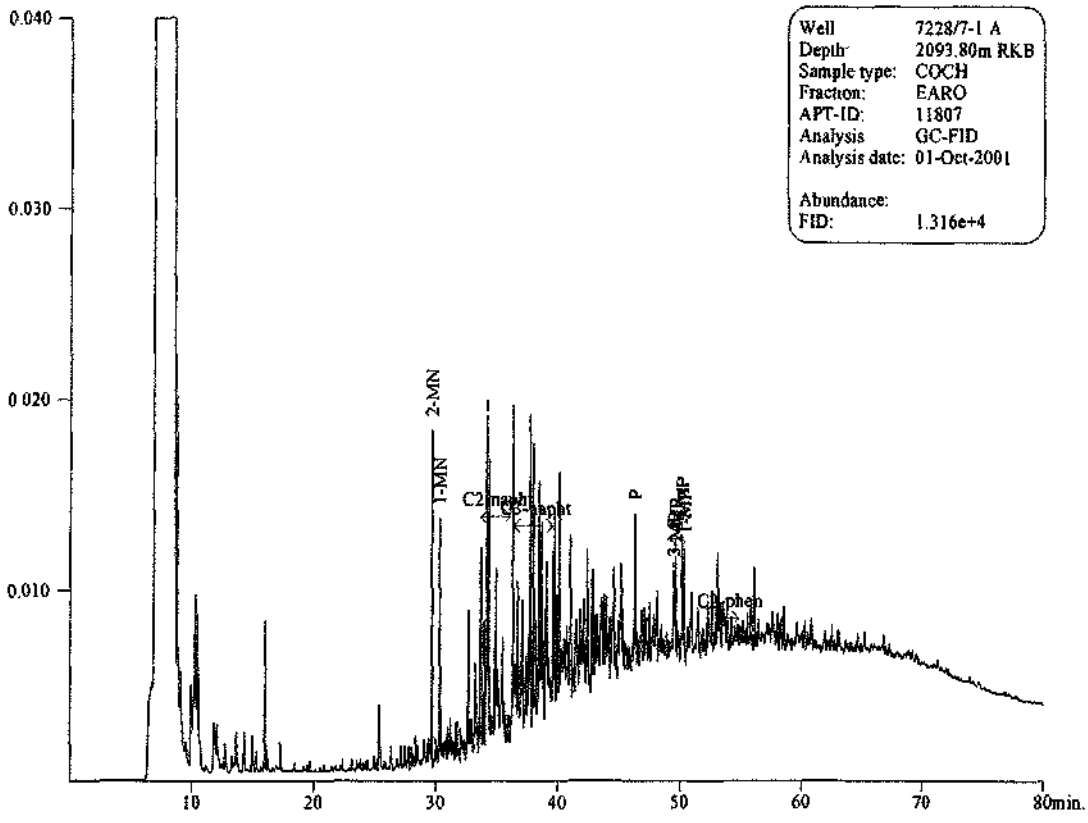

Well: 7228/7-1 A
Depth: 2087.30m RKB
Sample type: COCH
Fraction EARO
APT-ID: 11801
Analysis: GC-FID
Analysis date: 03-Oct-2001
Abundance:
FID: 1.077e+4
0.034
0.025
0.017
0.008
2-MN
1-MN
C2 naph
C3-napht
P
C1phen
10
20
30
40
50
60
70
80min.

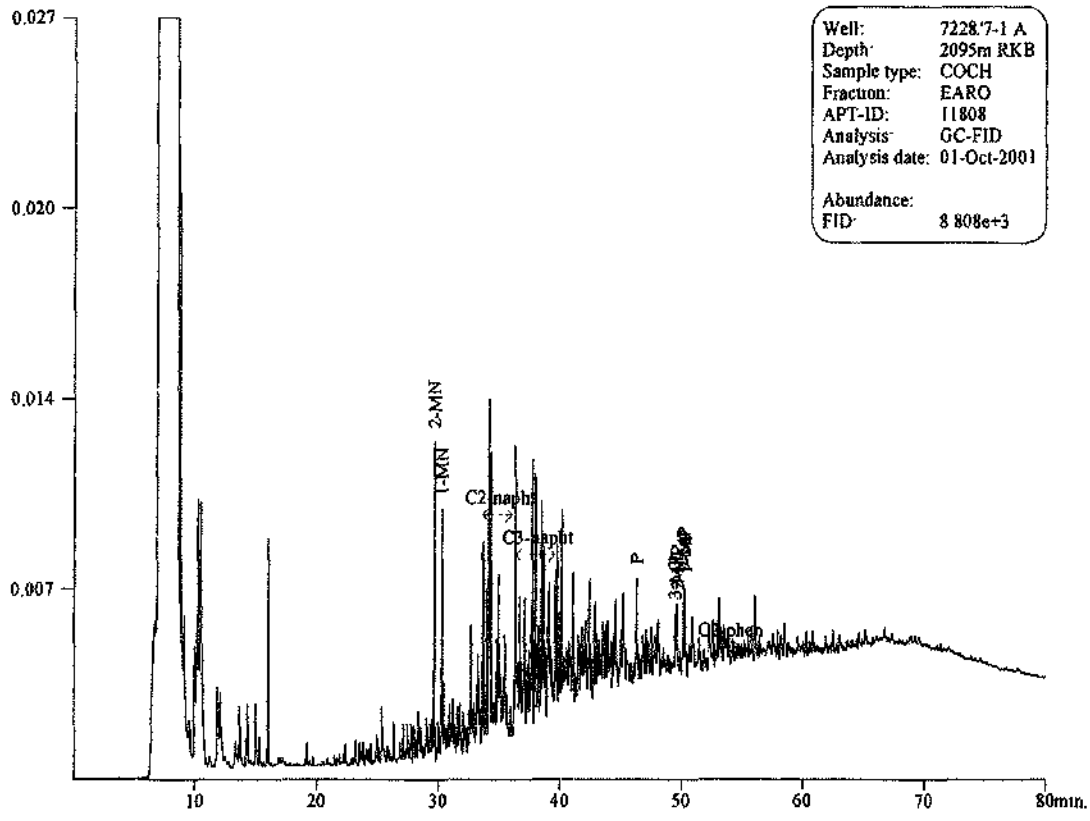

Well: 7228/7-1 A
Depth: 2088.95m RKB
Sample type COCH
Fraction EARO
APT-ID. 11802
Analysis: GC-FID
Analysis date: 01-Oct-2001
Abundance:
FID: 8.414e+3
0.026
0.019
0.013
0.006
2-MN
1-MN
C2 naph
C3-napht
P
C1phen
10
20
30
40
50
60
70
80min

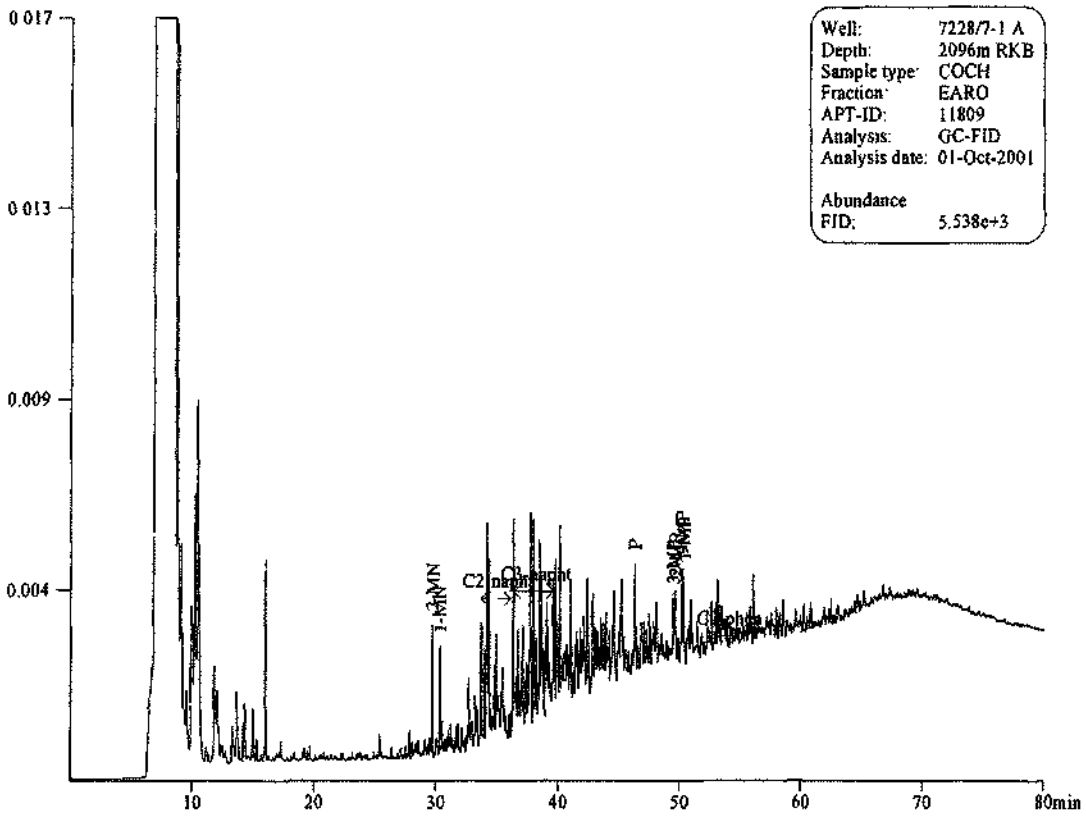

Well: 7228/7-1 A
Depth: 2088.95m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11803
Analysis: GC-FID
Analysis date: 01-Oct-2001
Abundance
FID: 1.116e+4
0.035
0.026
0.017
0.009
2-MN
1-MN
C2-naph
C3-naph
P
10
20
30
40
50
60
70
80min

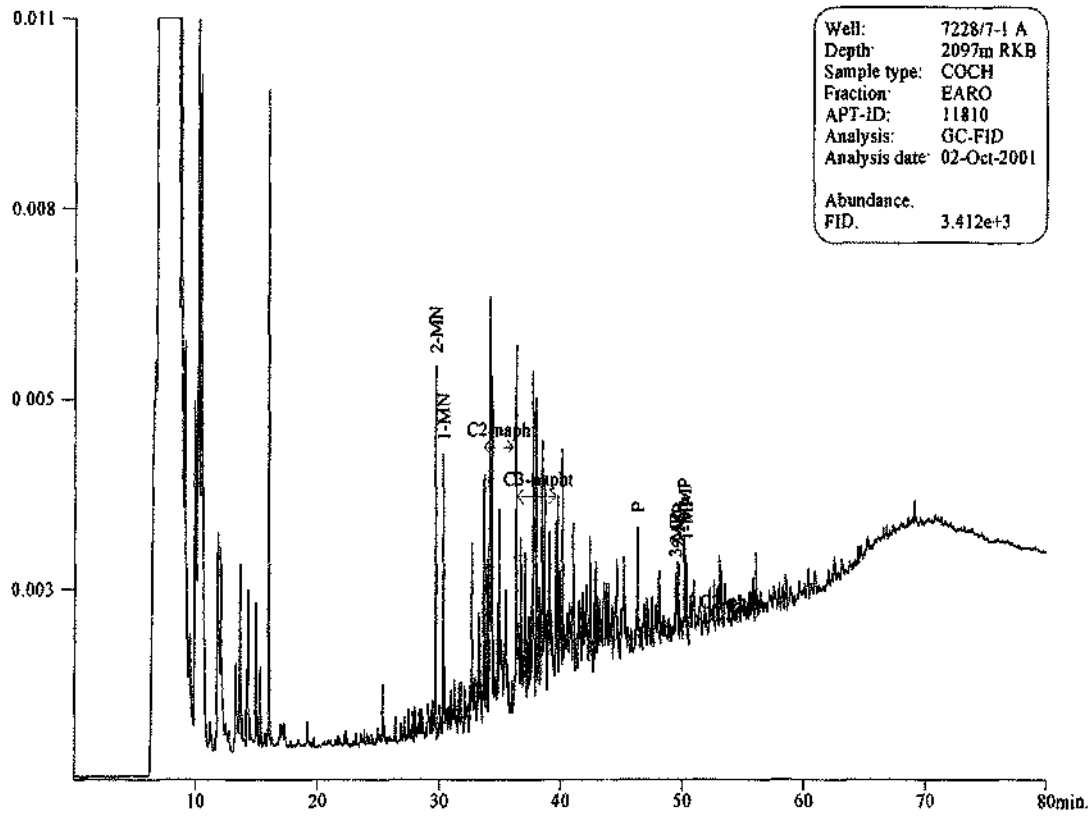

Well: 7228/7-1 A
Depth: 2091.30m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11805
Analysis: GC-FID
Analysis date: 01-Oct-2001
Abundance:
FID: 6.200e+3
0.019
0.014
0.010
0.005
2-MN
1-MN
C2-naph
C3-naph
P
10
20
30
40
50
60
70
80min

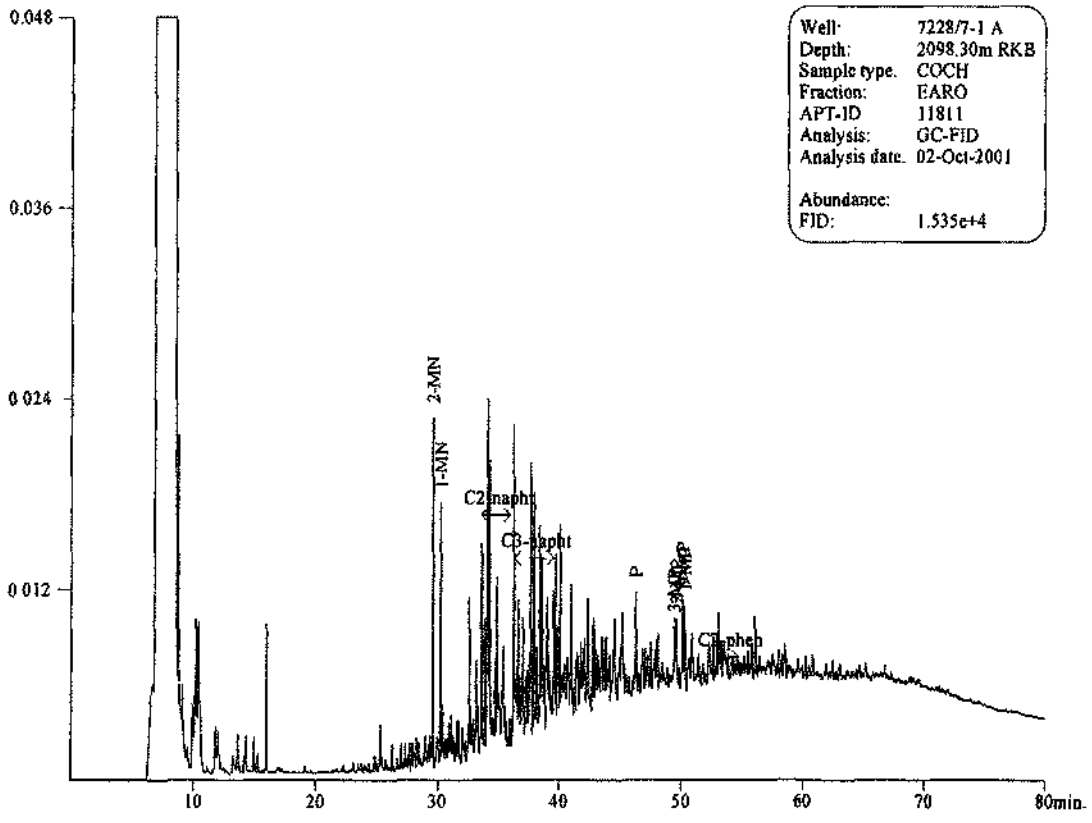

Well 7228/7-1 A
Depth 2093.52-2093.54m RKB
Sample type: COCH
Fraction: ARO
APT-ID: 11021
Analysis: GC-FID
Analysis date: 27-Apr-2001
Abundance:
FID: 4.187e+3
0.014
0.010
0 007
0 003
2-MN
1-MN
C2-napht
C3-napht
P
C2-phen
10
20
30
40
50
60
70min

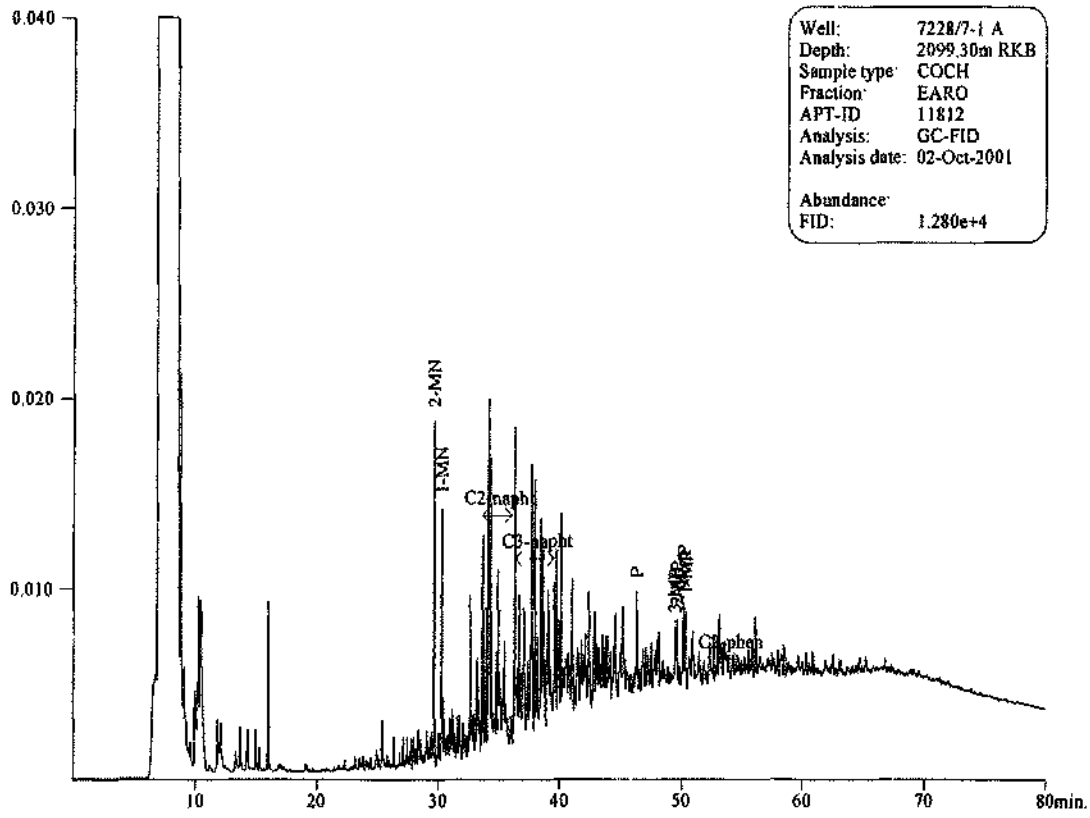

Well 7228/7-1 A
Depth 2093.80m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11807
Analysis GC-FID
Analysis date: 01-Oct-2001
Abundance:
FID: 1.316e+4
0.040
0.030
0 020
0.010
2-MN
1-MN
P
C2-phen
10
20
30
40
50
60
70
80min.

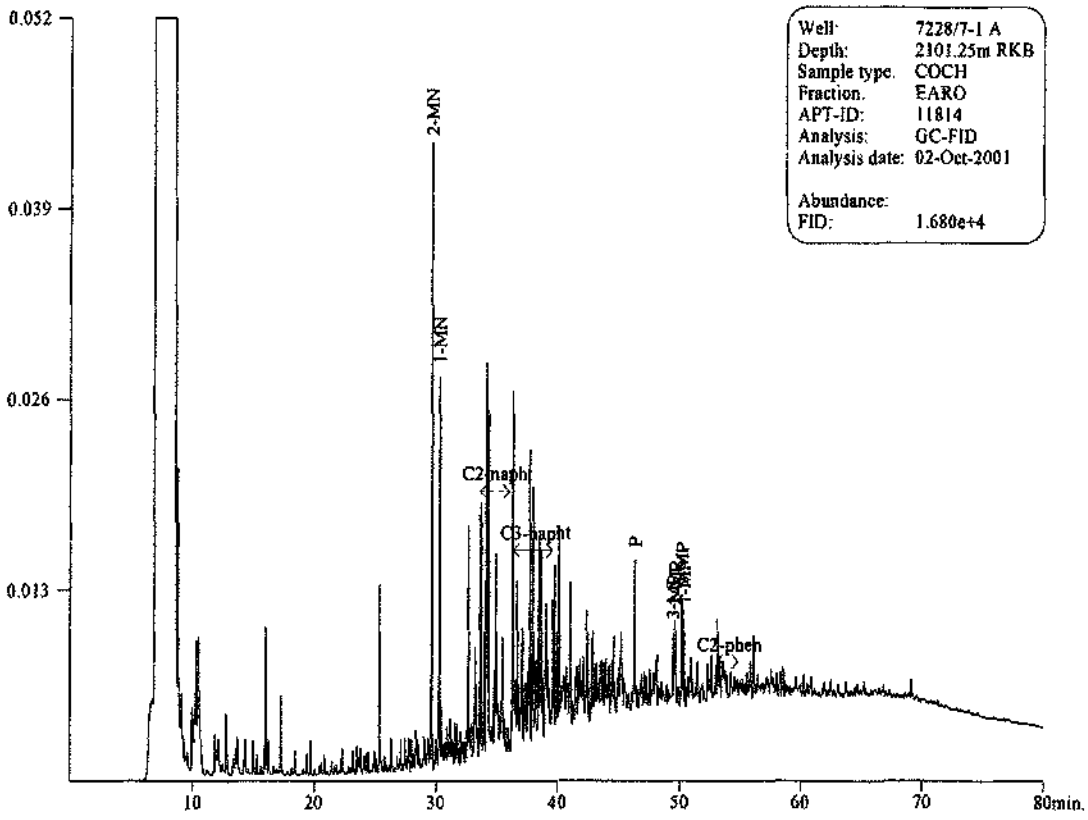

Well: 7228/7-1 A
Depth: 2095m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11808
Analysis: GC-FID
Analysis date: 01-Oct-2001
Abundance:
FID: 8.808e+3
0.027
0.020
0.014
0.007
2-MN
1-MN
C2-naph
C3-naph
P
10
20
30
40
50
60
70
80min.

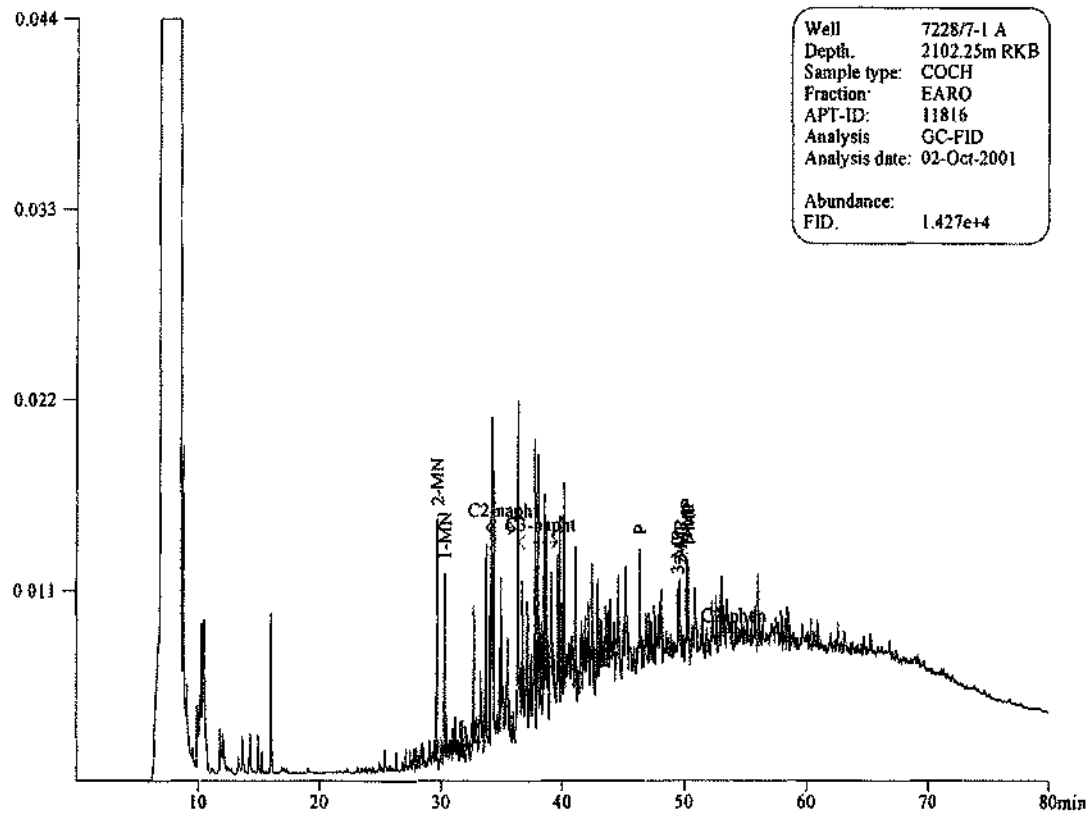

Well: 7228/7-1 A
Depth: 2096m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11809
Analysis: GC-FID
Analysis date: 01-Oct-2001
Abundance
FID: 5.538e+3
0.017
0.013
0.009
0.004
1-MN
C2-naph
P
10
20
30
40
50
60
70
80min

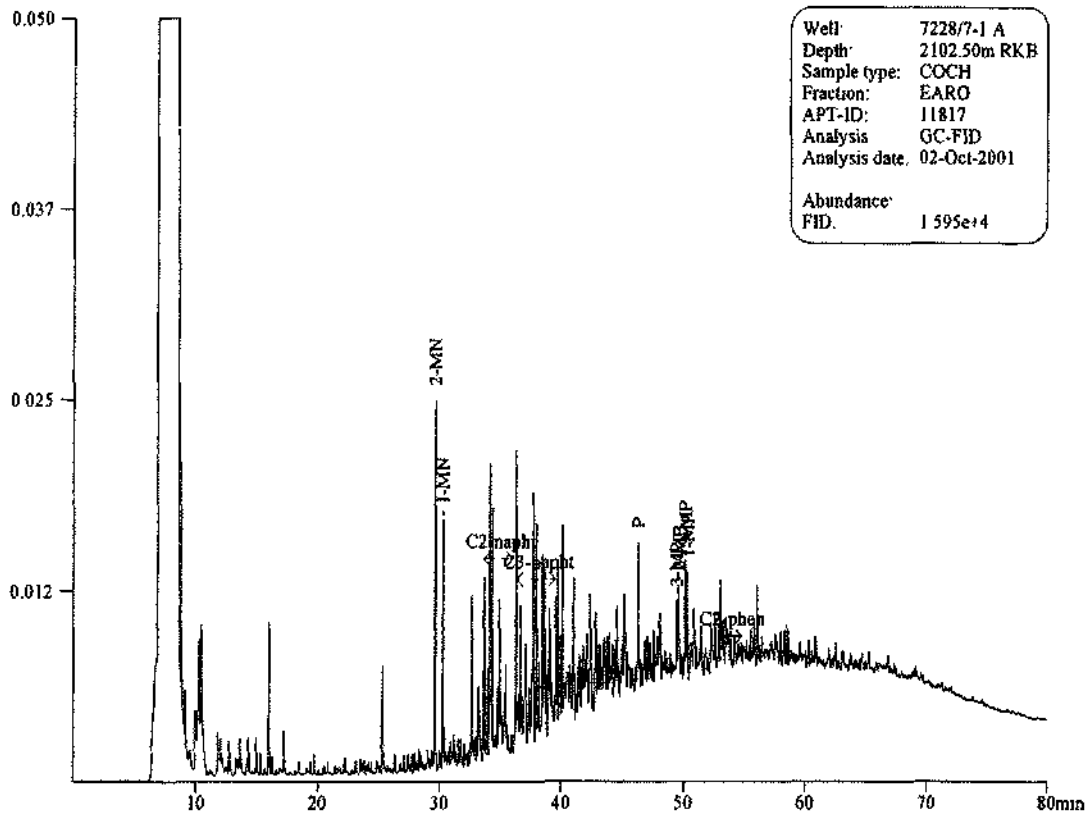

Well: 7228/7-1 A
Depth: 2097m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11810
Analysis: GC-FID
Analysis date: 02-Oct-2001
Abundance
FID: 3.412e+3
0.011
0.008
0.005
0.003
2-MN
1-MN
C2-naph
C3-naph
P
10
20
30
40
50
60
70
80min.

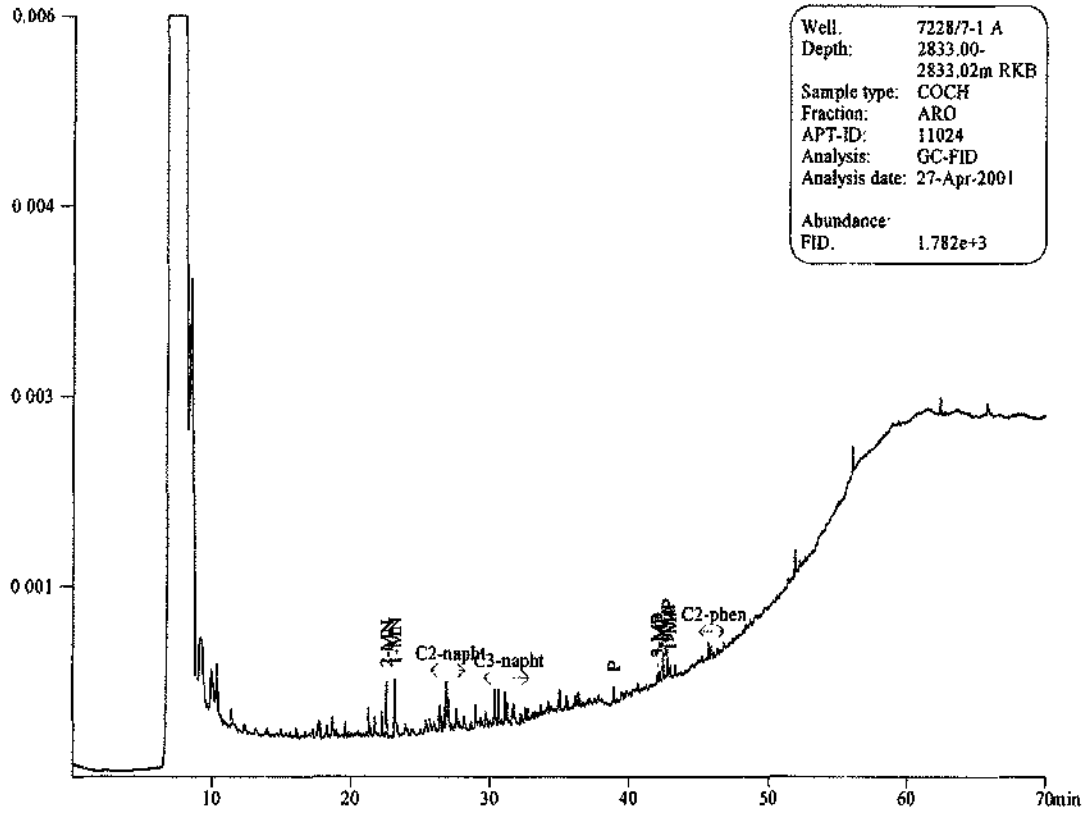

Well: 7228/7-1 A
Depth: 2098.30m RKB
Sample type: COCH
Fraction: EARO
APT-ID 11811
Analysis: GC-FID
Analysis date: 02-Oct-2001
Abundance:
FID: 1.535e+4
0.048
0.036
0.024
0.012
2-MN
1-MN
C2-naph
C3-naph
P
C1-phen
10
20
30
40
50
60
70
80min.


Well: 7228/7-1 A
Depth: 2099.30m RKB
Sample type: COCH
Fraction: EARO
APT-ID 11812
Analysis: GC-FID
Analysis date: 02-Oct-2001
Abundance
FID: 1.280e+4
0.040
0.030
0.020
0.010
2-MN
1-MN
C2-naph
C3-napht
P
C2-pben
10
20
30
40
50
60
70
80min.

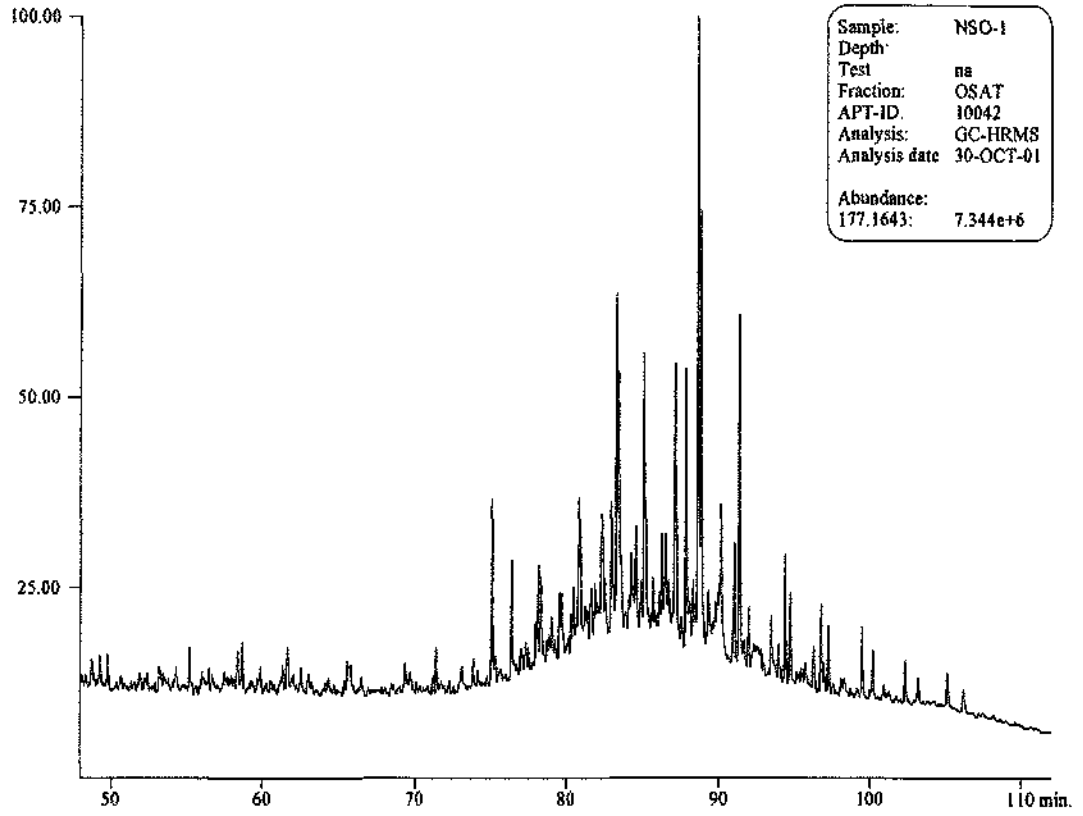

Well: 7228/7-1 A
Depth: 2101.25m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11814
Analysis: GC-FID
Analysis date: 02-Oct-2001
Abundance:
FID: 1.680e+4
0.052
0.039
0.026
0.013
2-MN
1-MN
C2-naph
C3-napht
P
C2-pben
10
20
30
40
50
60
70
80min.

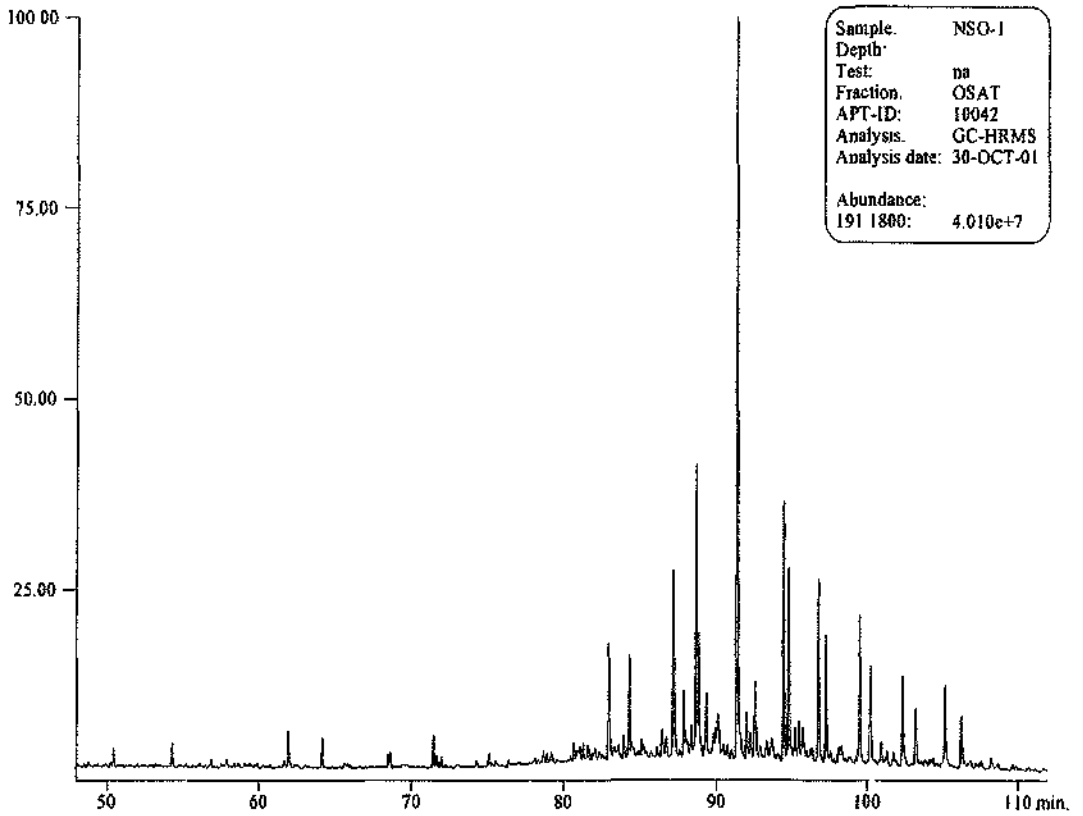

Well 7228/7-1 A
Depth. 2102.25m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11816
Analysis GC-FID
Analysis date: 02-Oct-2001
Abundance:
FID. 1.427e+4
0.044
0.033
0.022
0.011
2-MN
1-MN
C2naph
C3-napht
P
C3phen
10
20
30
40
50
60
70
80min

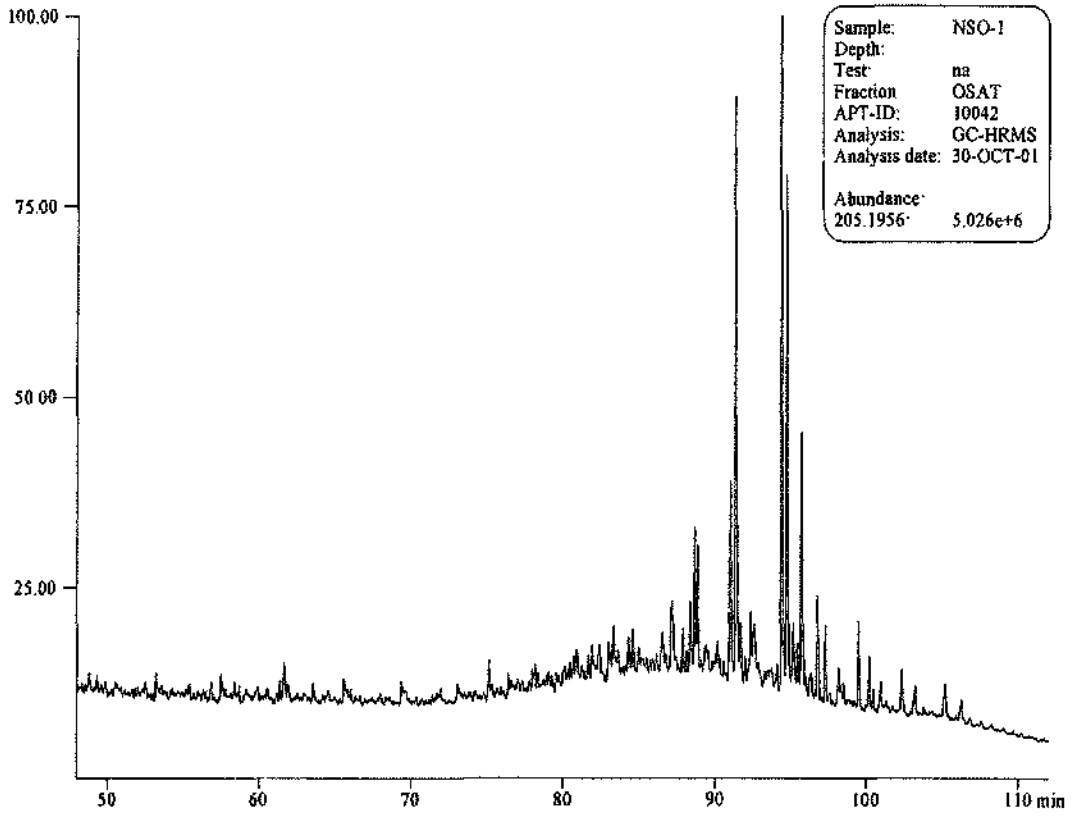

Well 7228/7-1 A
Depth 2102.50m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11817
Analysis GC-FID
Analysis date. 02-Oct-2001
Abundance
FID. 1.595e+4
0.050
0.037
0.025
0.012
2-MN
1-MN
C2naph
C3-napht
P
C3phen
10
20
30
40
50
60
70
80min

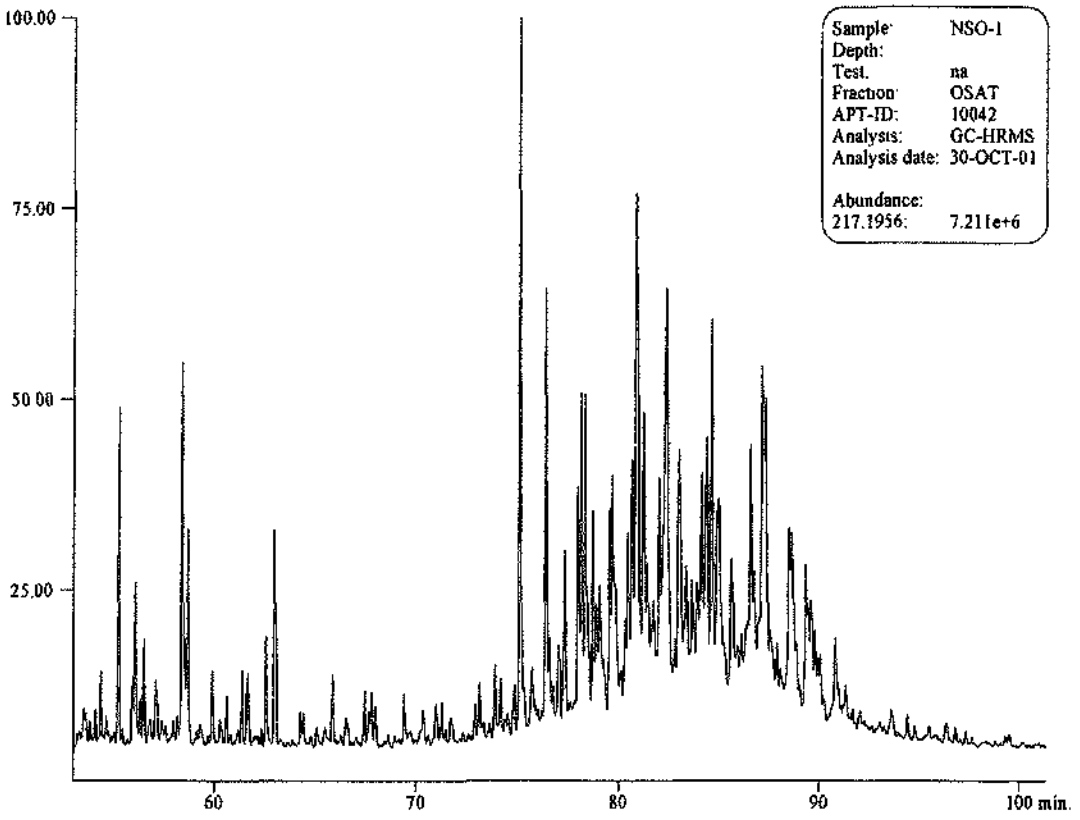

0.006
0 004
0 003
0 001
Well. 7228/7-1 A
Depth: 2833.00-2833.02m RKB
Sample type: COCH
Fraction: ARO
APT-ID: 11024
Analysis: GC-FID
Analysis date: 27-Apr-2001
Abundance
FID. 1.782e+3
1-MN
C2-napht
C3-napht
P
3-MP
C2-phen
10
20
30
40
50
60
70min

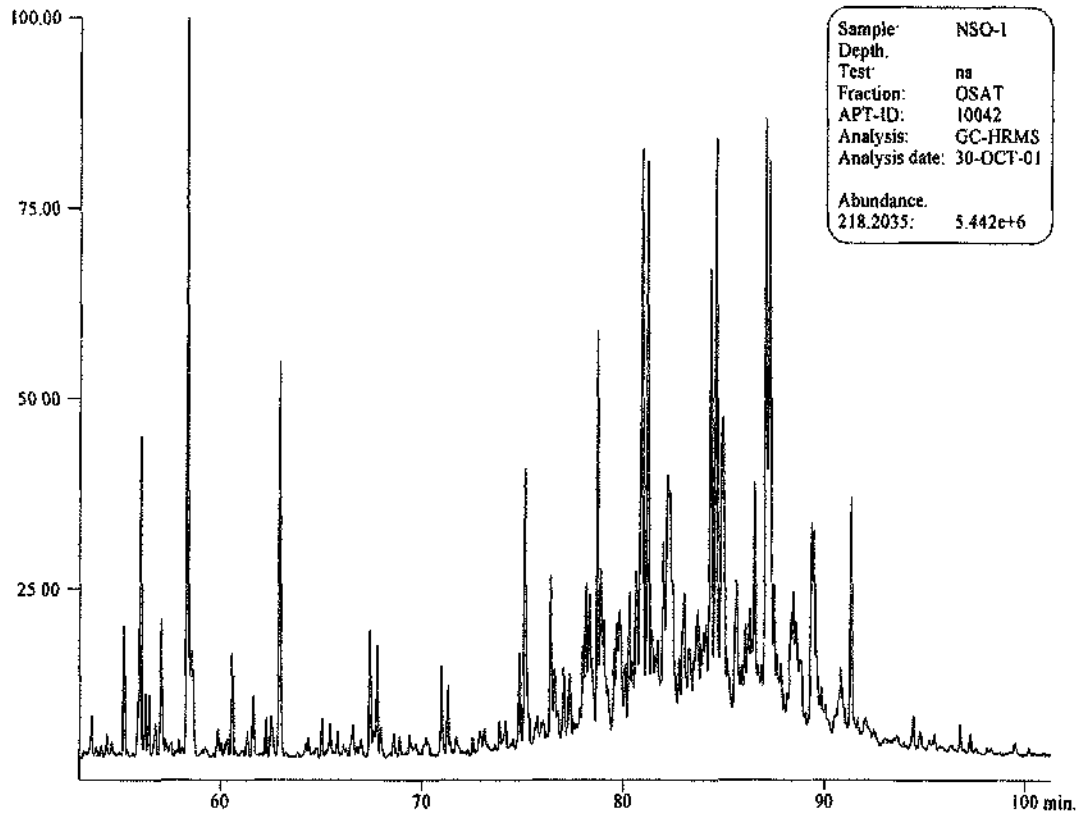
GC-MS Chromatograms of Saturated Hydrocarbons

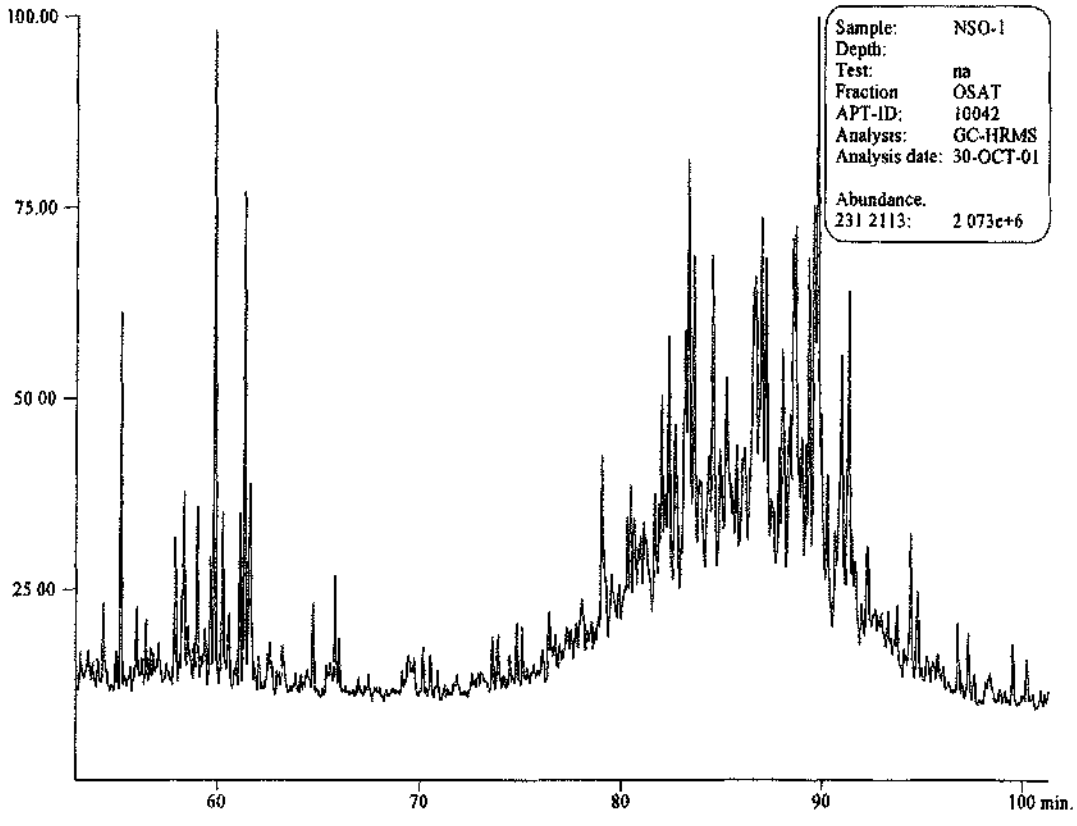

100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min.
Sample: NSO-1
Depth:
Test: na
Fraction: OSAT
APT-ID: 10042
Analysis: GC-HRMS
Analysis date: 30-OCT-01
Abundance:
177.1643: 7.344e+6

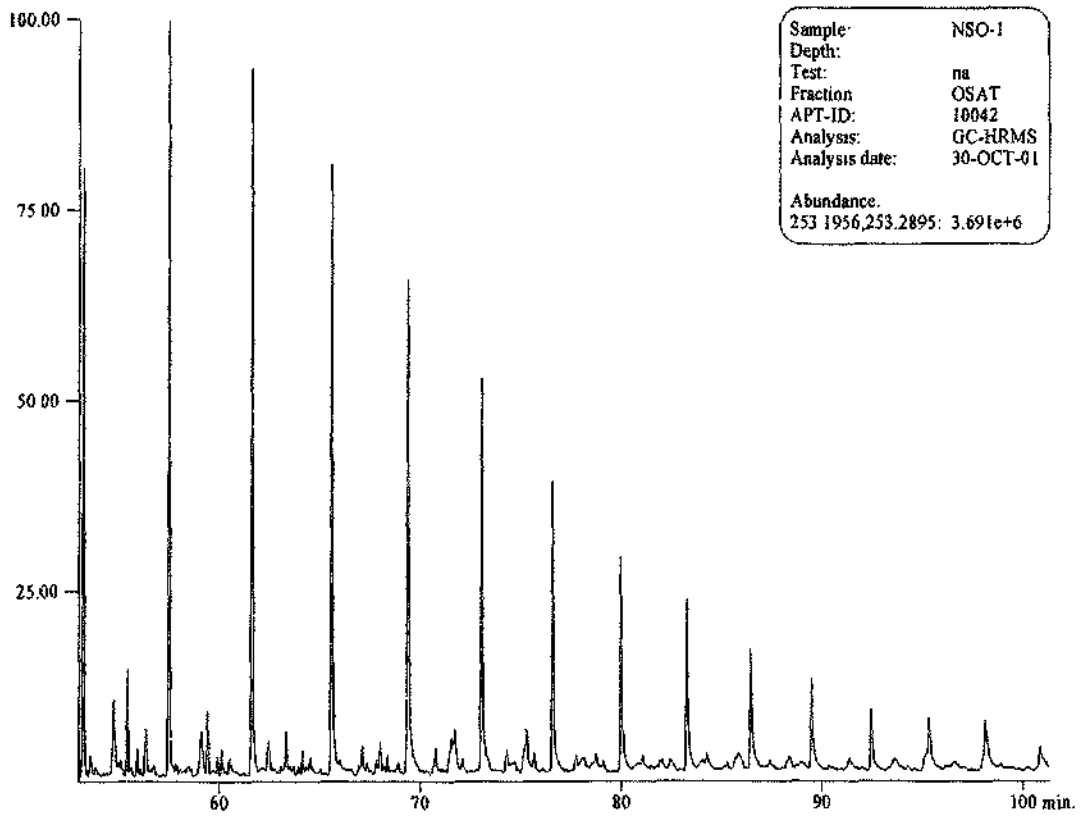

100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min.
Sample: NSO-1
Depth:
Test: na
Fraction: OSAT
APT-ID: 10042
Analysis: GC-HRMS
Analysis date: 30-OCT-01
Abundance:
191.1800: 4.010e+7

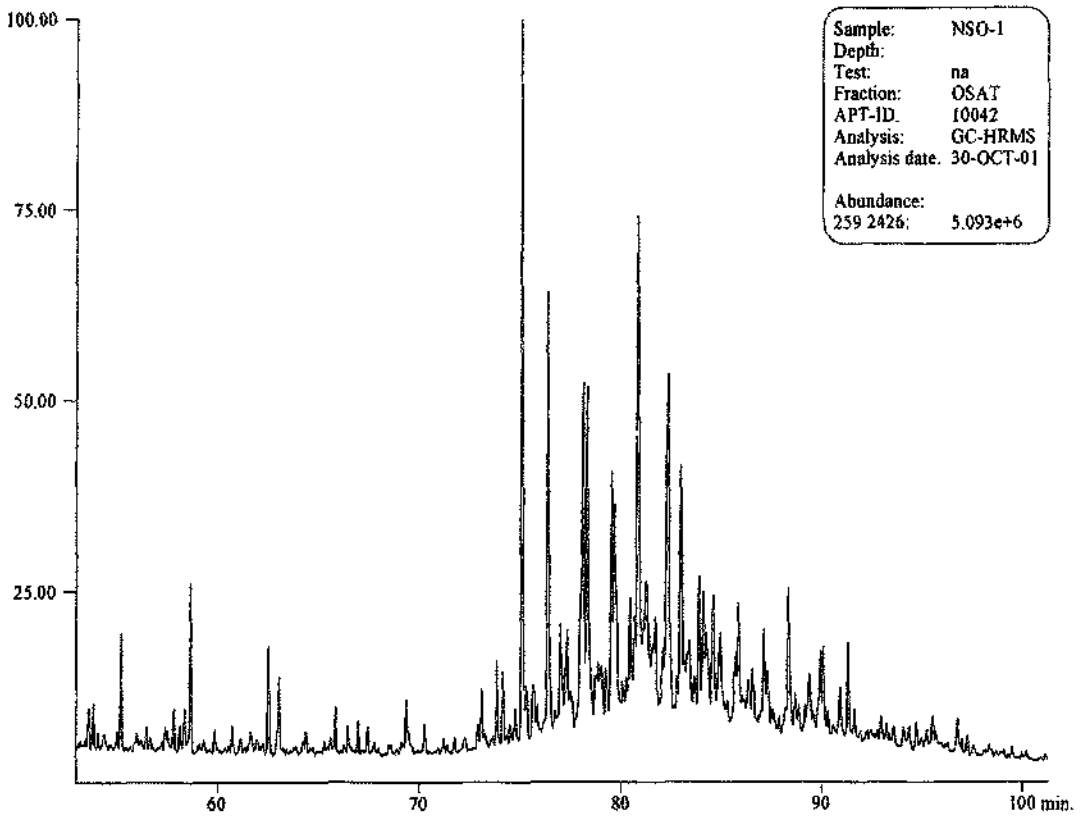

100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min
Sample: NSO-1
Depth:
Test: na
Fraction OSAT
APT-ID: 10042
Analysis: GC-HRMS
Analysis date: 30-OCT-01
Abundance
205.1956: 5.026e+6

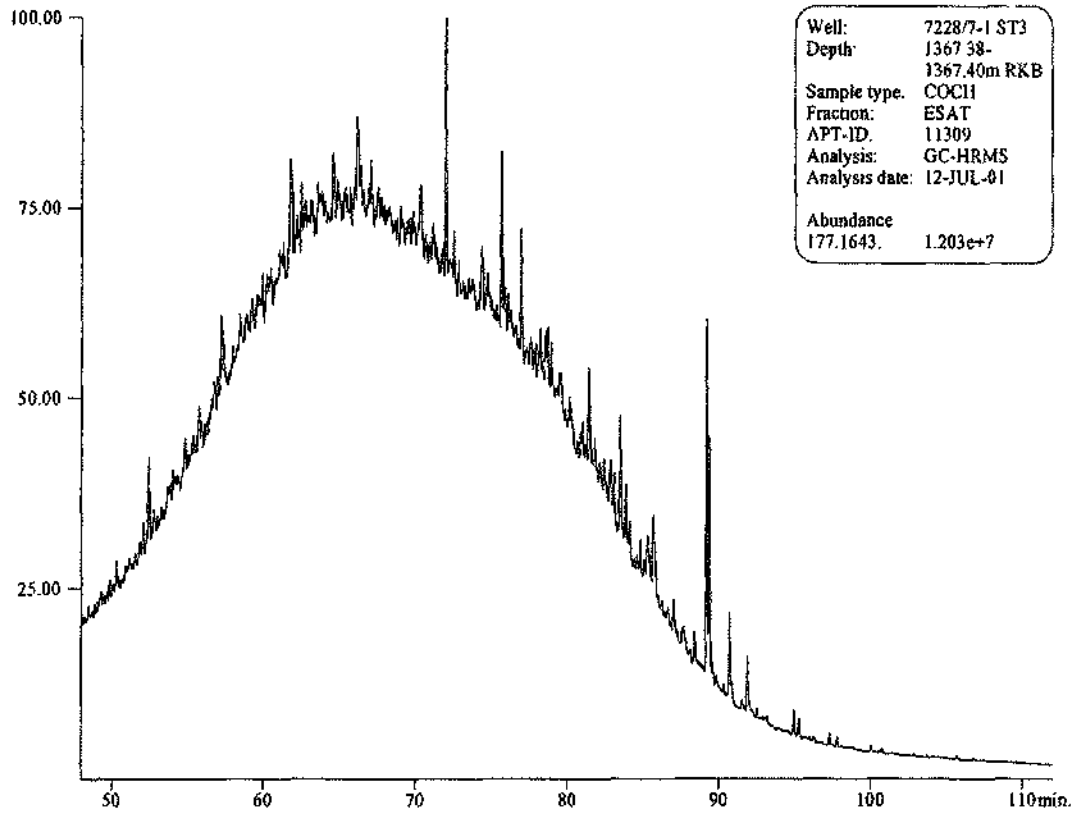

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Sample: NSO-1
Depth:
Test. na
Fraction: OSAT
APT-ID: 10042
Analysis: GC-HRMS
Analysis date: 30-OCT-01
Abundance:
217.1956: 7.211e+6

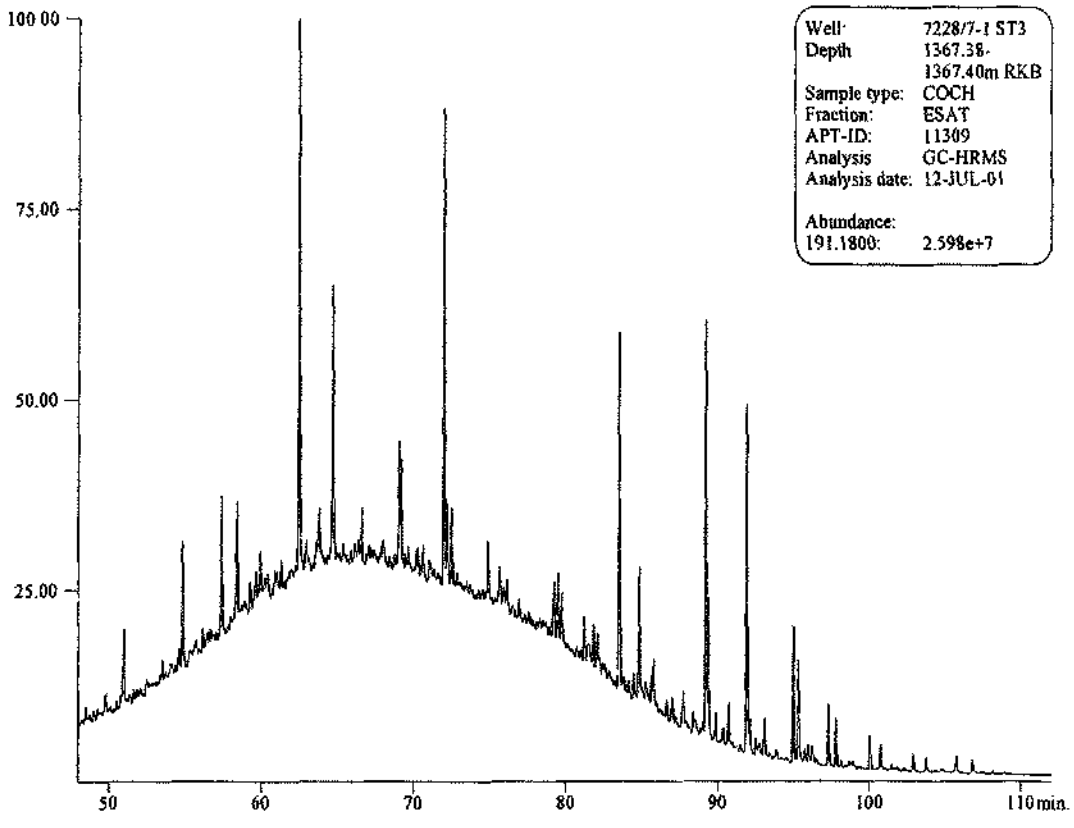

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Sample: NSO-1
Depth:
Test: na
Fraction: OSAT
APT-ID: 10042
Analysis: GC-HRMS
Analysis date: 30-OCT-01
Abundance.
218.2035: 5.442e+6

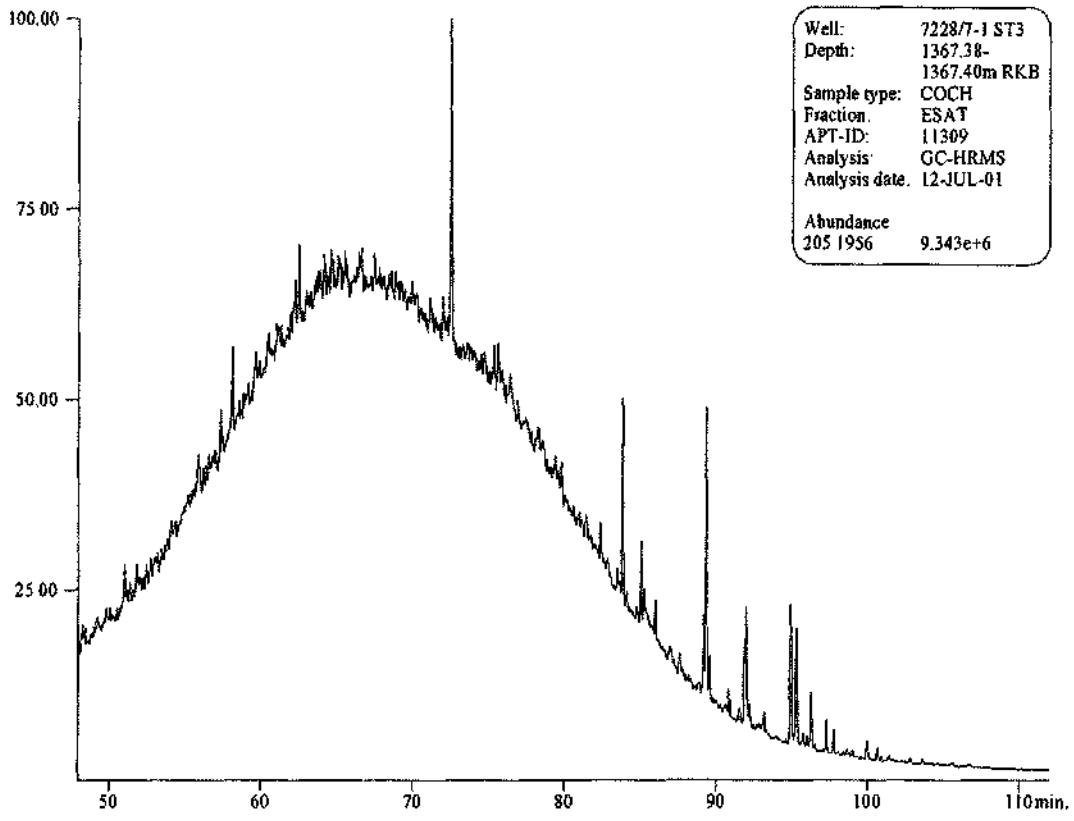

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Sample: NSO-1
Depth:
Test: na
Fraction OSAT
APT-ID: 10042
Analysis: GC-HRMS
Analysis date: 30-OCT-01
Abundance.
231.2113: 2.073e+6

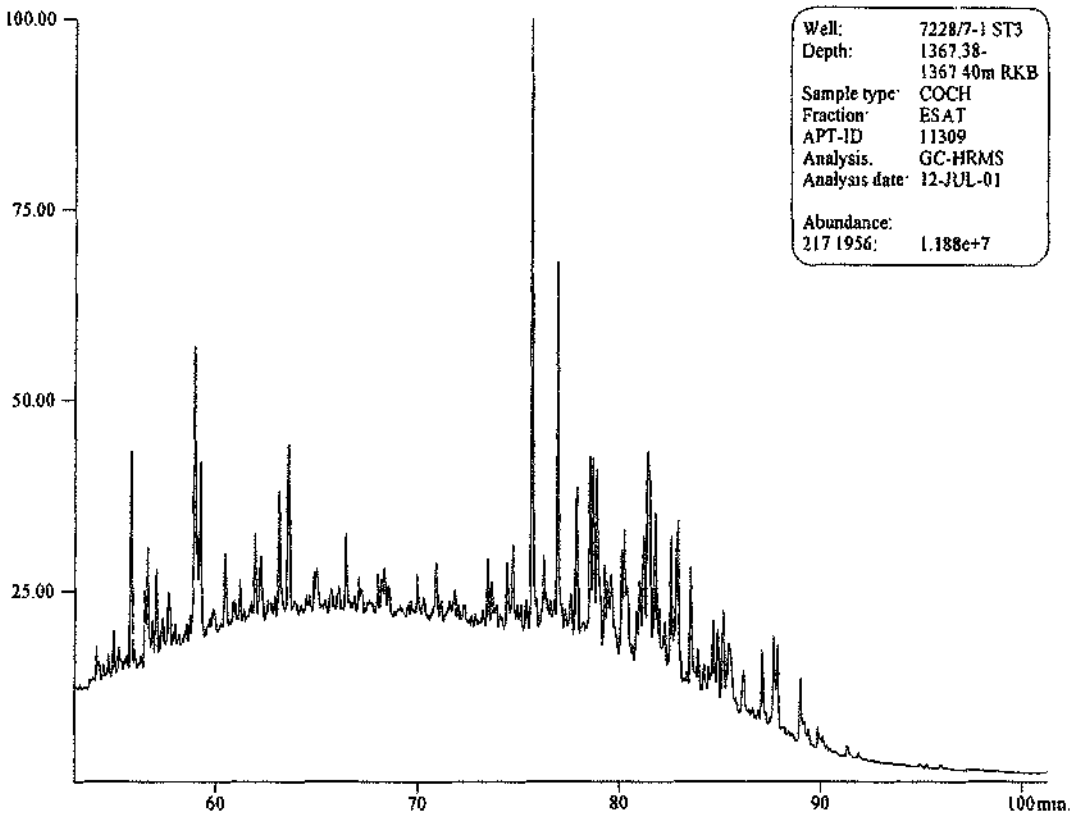

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Sample: NSO-1
Depth:
Test: na
Fraction OSAT
APT-ID: 10042
Analysis: GC-HRMS
Analysis date: 30-OCT-01
Abundance.
253 1956,253.2895: 3.691e+6

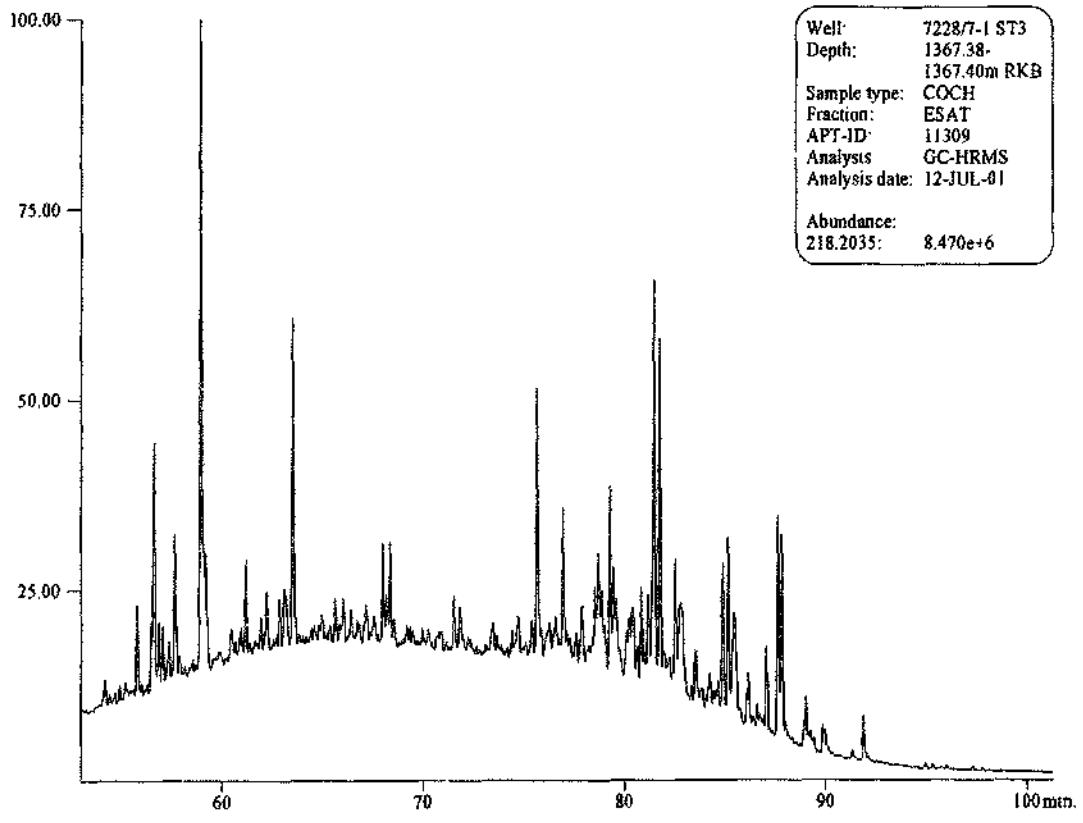

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Sample: NSO-1
Depth:
Test: na
Fraction: OSAT
APT-ID. 10042
Analysis: GC-HRMS
Analysis date. 30-OCT-01
Abundance:
259 2426: 5.093e+6

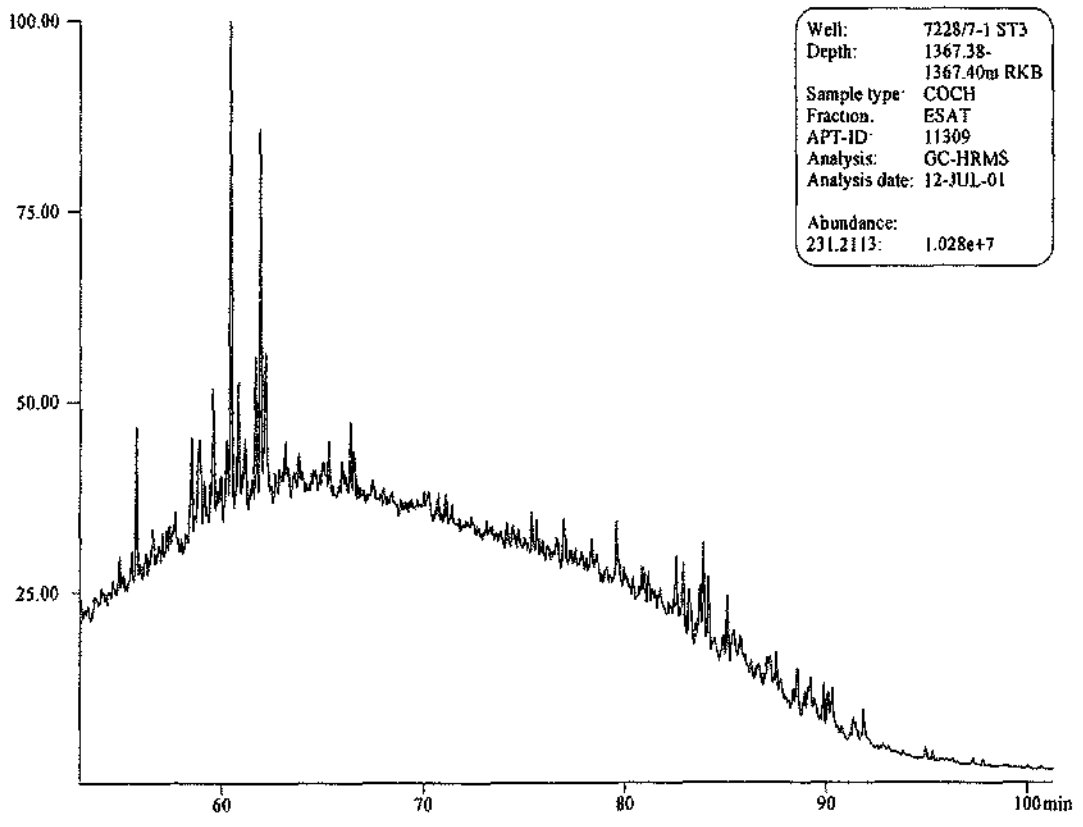

100.00
75.00
50.00
25.00
50
60
70
80
90
100
110min.
Well: 7228/7-1 ST3
Depth: 1367.38-1367.40m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11309
Analysis: GC-HRMS
Analysis date: 12-JUL-01
Abundance
177.1643: 1.203e+7

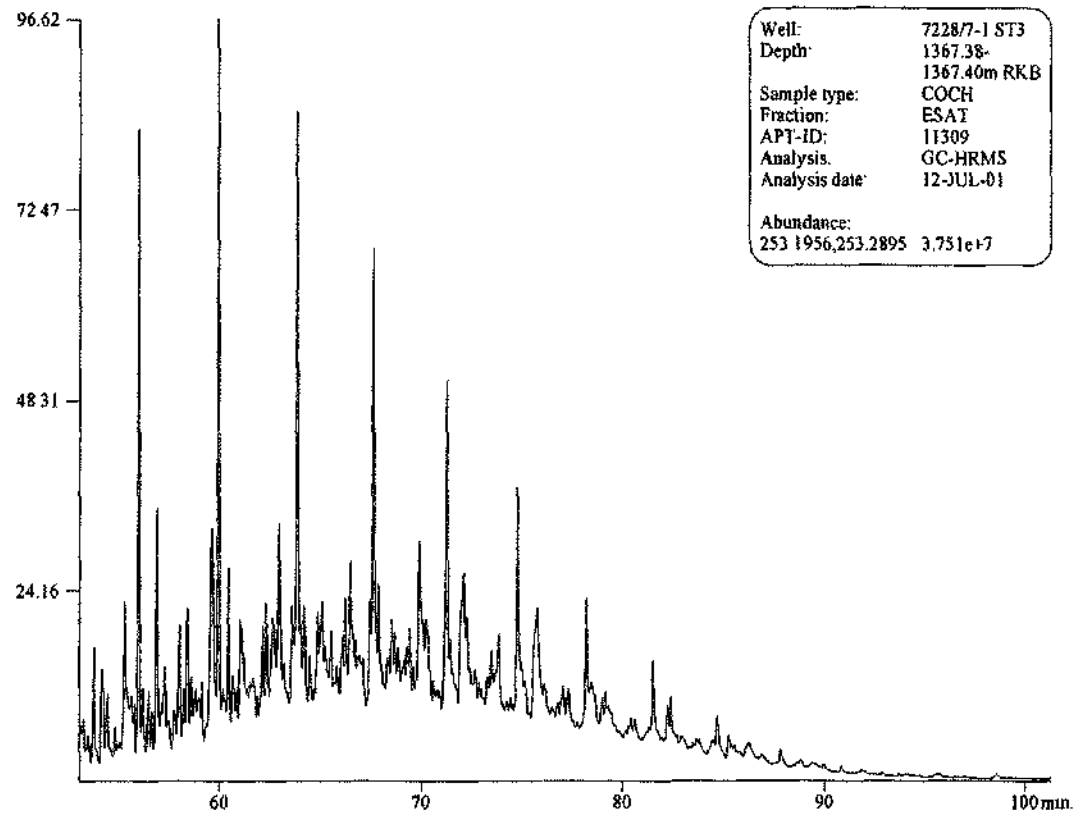

100.00
75.00
50.00
25.00
50
60
70
80
90
100
110min.
Well: 7228/7-1 ST3
Depth: 1367.38-1367.40m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11309
Analysis: GC-HRMS
Analysis date: 12-JUL-01
Abundance:
191.1800: 2.598e+7

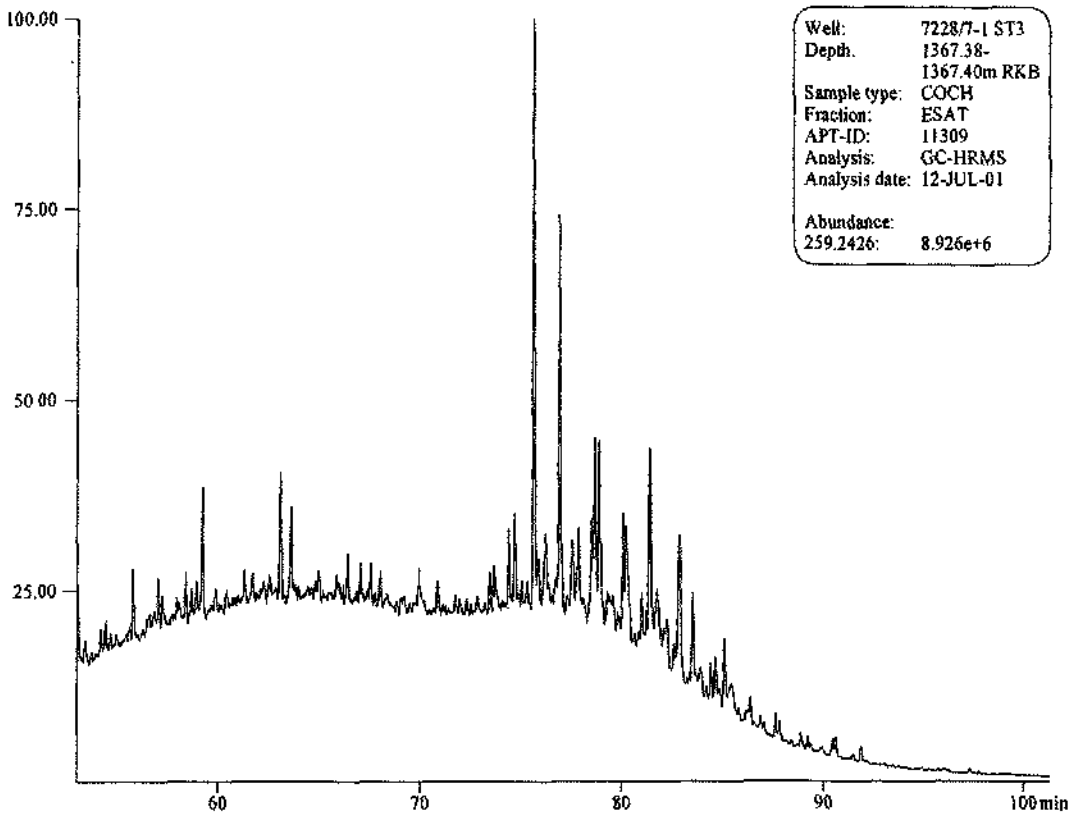

Well: 7228/7-1 ST3
Depth: 1367.38-1367.40m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11309
Analysis: GC-HRMS
Analysis date: 12-JUL-01
Abundance
205 1956 9.343e+6
100.00
75.00
50.00
25.00
50
60
70
80
90
100
110min.

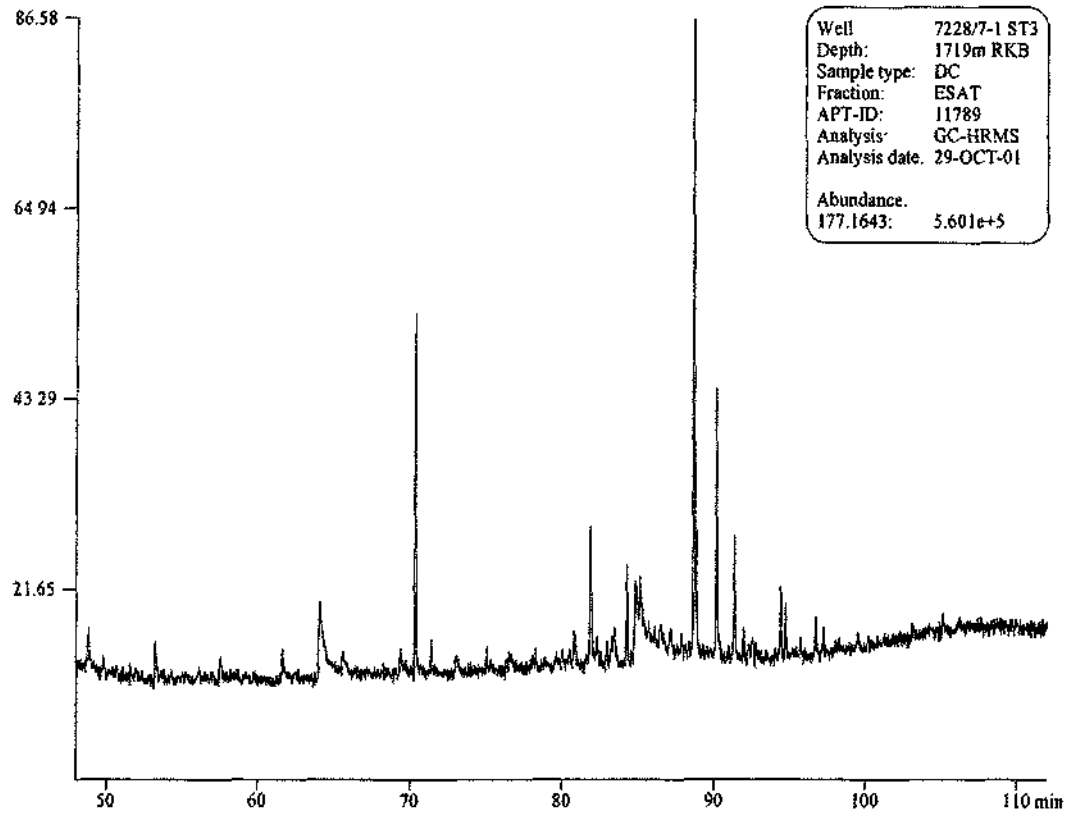

Well: 7228/7-1 ST3
Depth: 1367.38-1367.40m RKB
Sample type: COCH
Fraction: ESAT
APT-ID 11309
Analysis. GC-HRMS
Analysis date: 12-JUL-01
Abundance:
217 1956: 1.188e+7
100.00
75.00
50.00
25.00
60
70
80
90
100min.

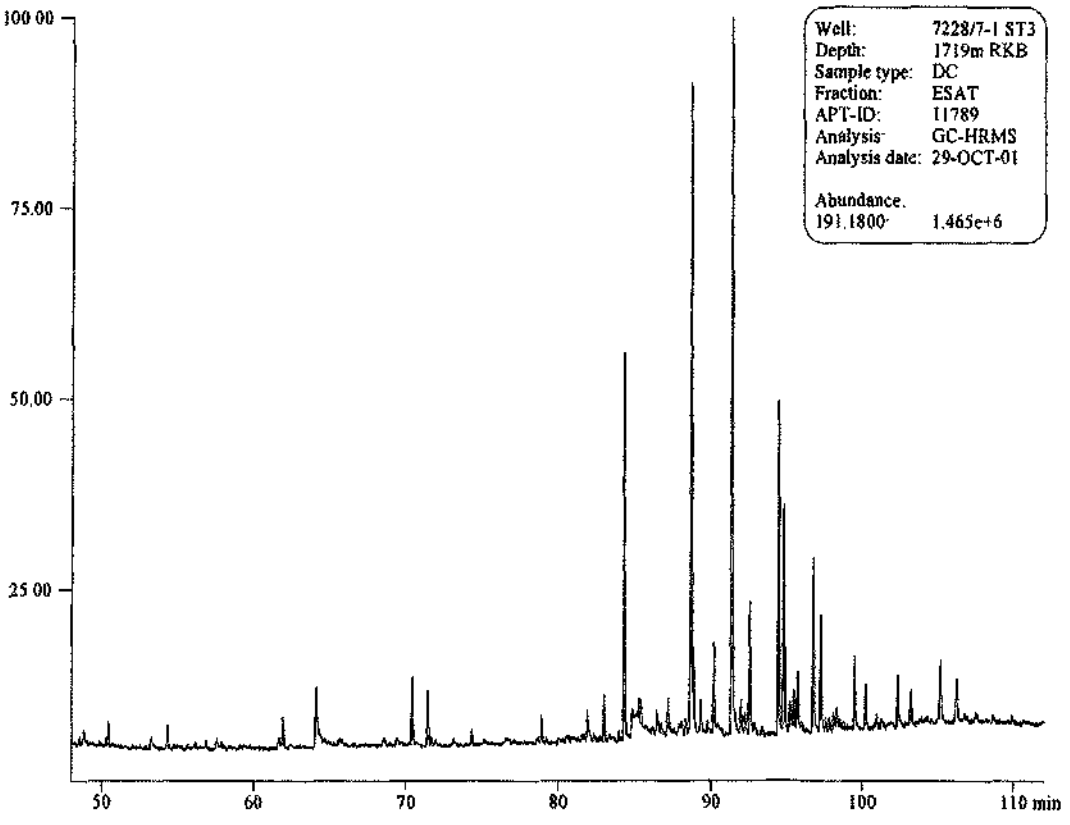

Well: 7228/7-1 ST3
Depth: 1367.38-1367.40m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11309
Analysis: GC-HRMS
Analysis date: 12-JUL-01
Abundance:
218.2035: 8.470e+6
100.00
75.00
50.00
25.00
60
70
80
90
100 min.

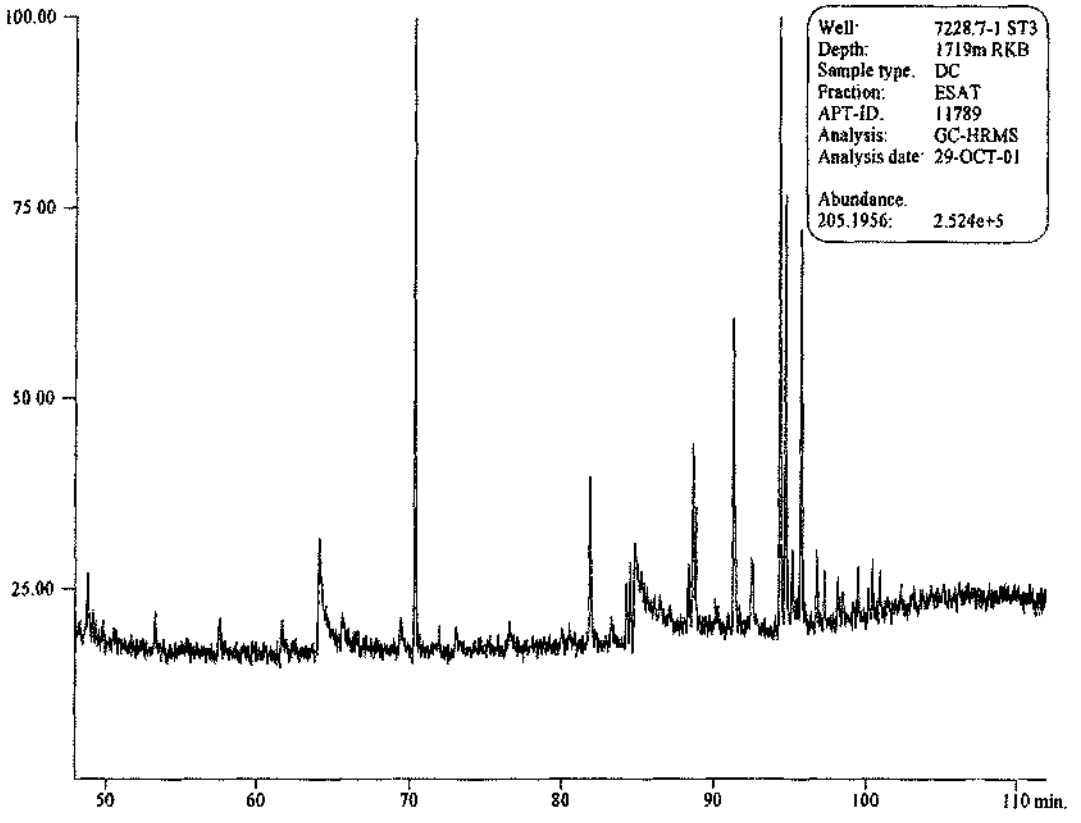

Well: 7228/7-1 ST3
Depth: 1367.38-1367.40m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11309
Analysis: GC-HRMS
Analysis date: 12-JUL-01
Abundance:
231.2113: 1.028e+7
100.00
75.00
50.00
25.00
60
70
80
90
100 min

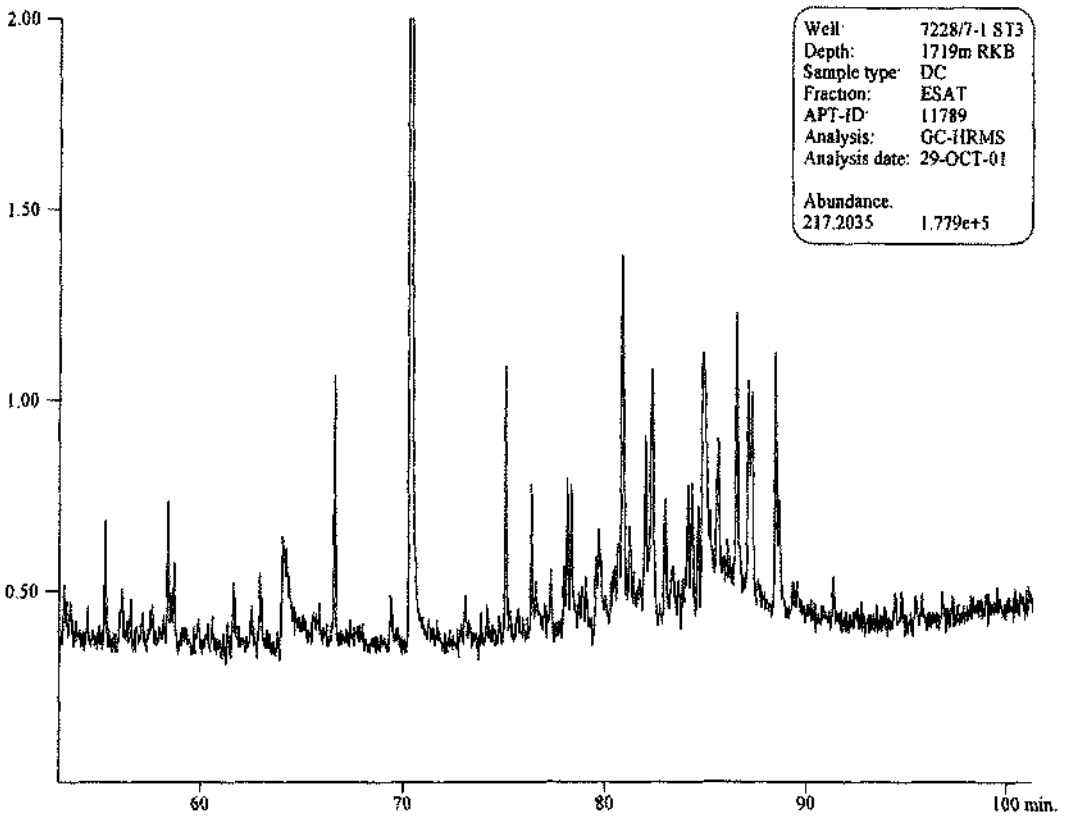

96.62
72.47
48.31
24.16
60
70
80
90
100 min.
Well: 7228/7-1 ST3
Depth: 1367.38-1367.40m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11309
Analysis: GC-HRMS
Analysis date: 12-JUL-01
Abundance:
253.1956,253.2895 3.751e+7

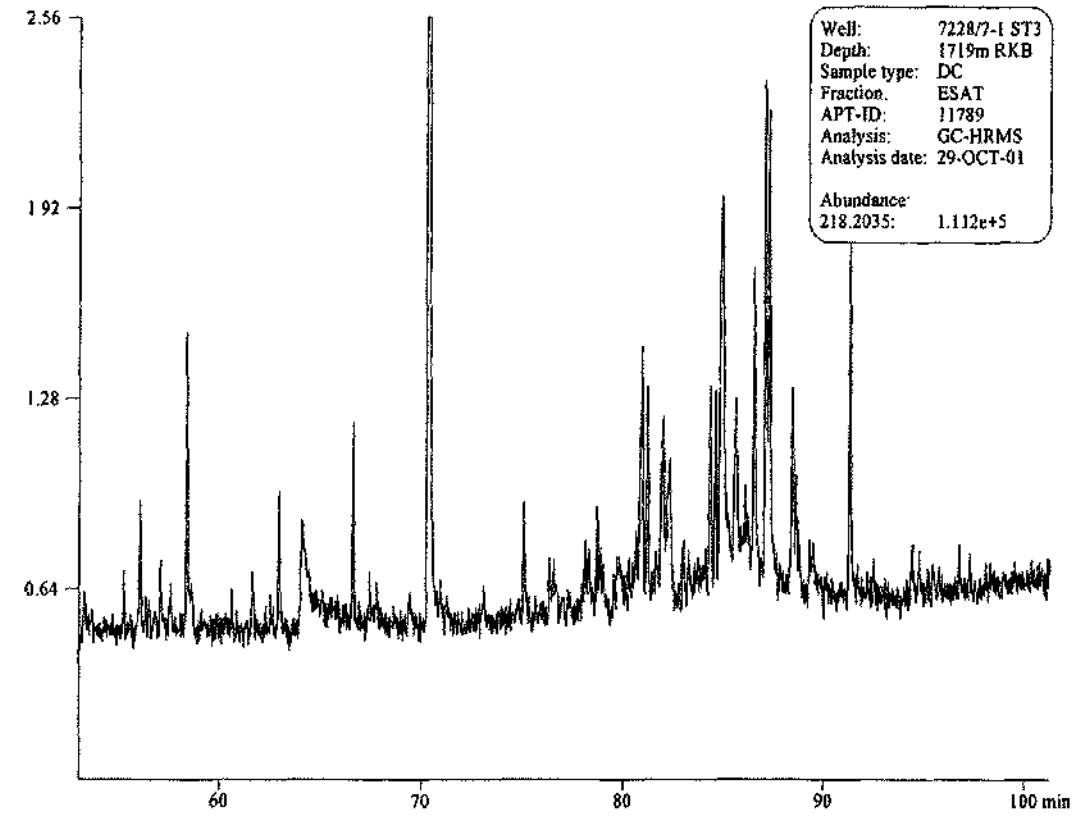

100.00
75.00
50.00
25.00
60
70
80
90
100 min
Well: 7228/7-1 ST3
Depth: 1367.38-1367.40m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11309
Analysis: GC-HRMS
Analysis date: 12-JUL-01
Abundance:
259.2426: 8.926e+6

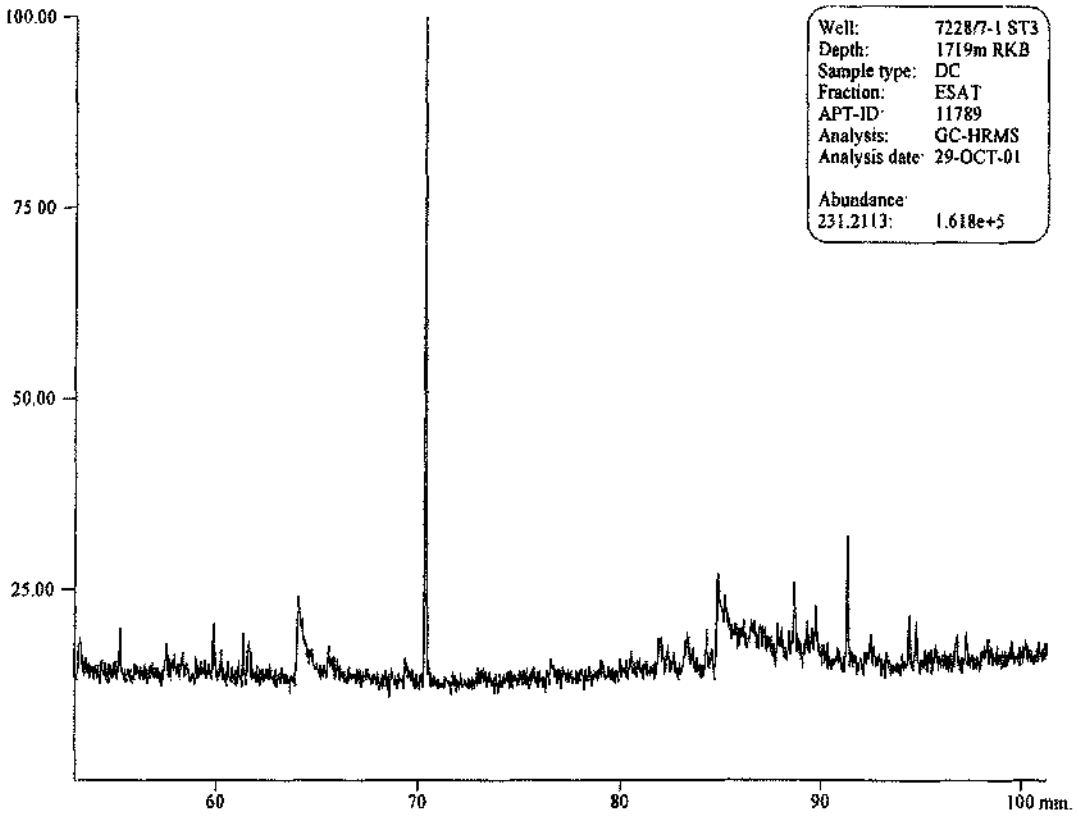

86.58
64.94
43.29
21.65
50
60
70
80
90
100
110 min
Well 7228/7-1 ST3
Depth: 1719m RKB
Sample type: DC
Fraction: ESAT
APT-ID: 11789
Analysis GC-HRMS
Analysis date. 29-OCT-01
Abundance.
177.1643: 5.601e+5

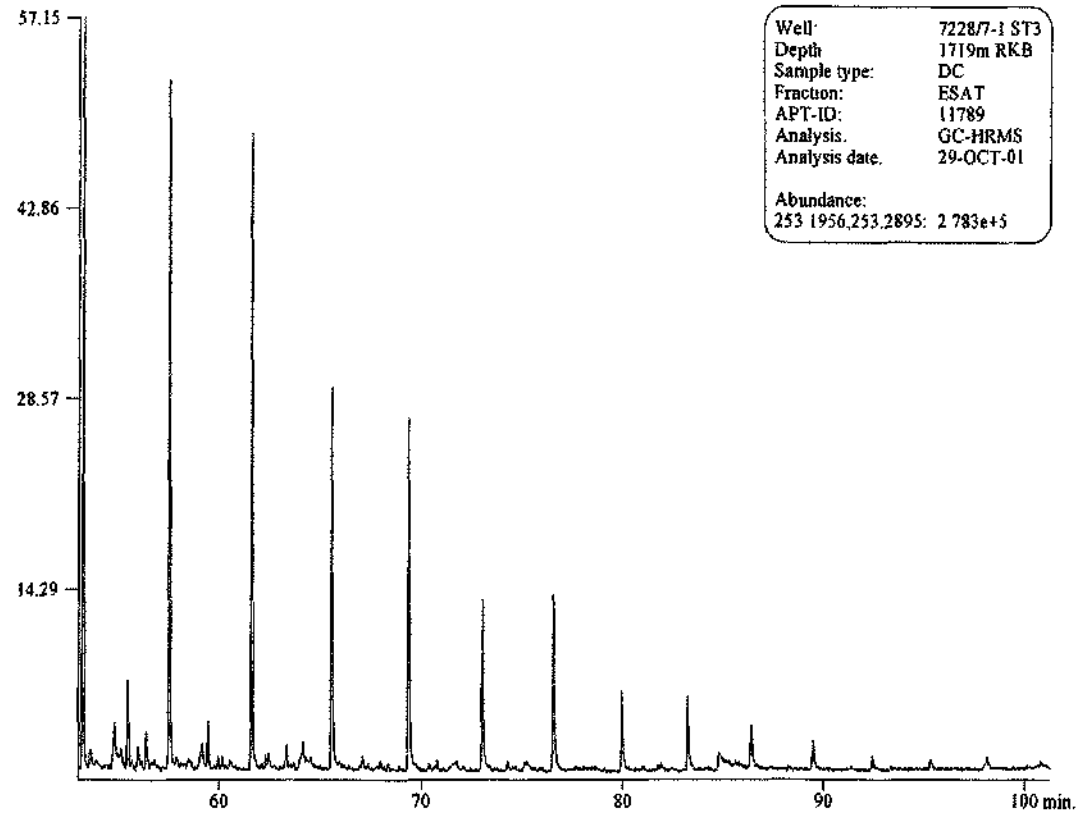

100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min
Well: 7228/7-1 ST3
Depth: 1719m RKB
Sample type: DC
Fraction: ESAT
APT-ID: 11789
Analysis GC-HRMS
Analysis date: 29-OCT-01
Abundance.
191.1800: 1.465e+6

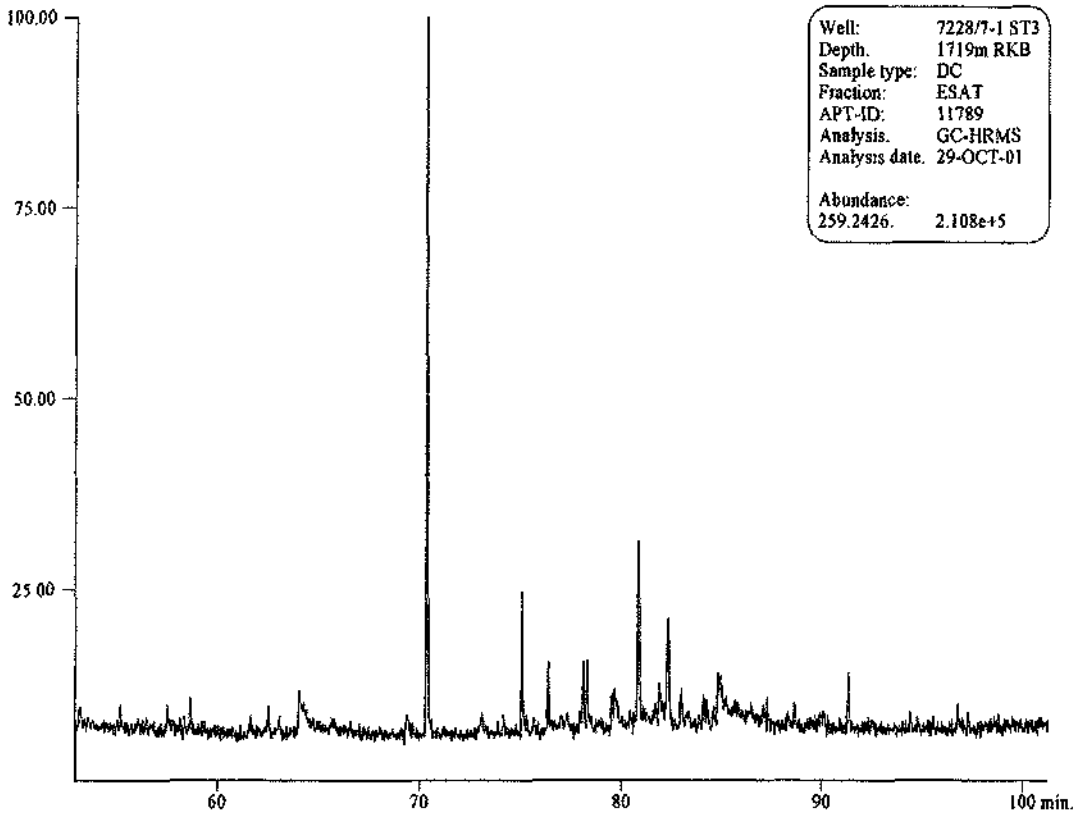

100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min.
Well: 7228/7-1 ST3
Depth: 1719m RKB
Sample type: DC
Fraction: ESAT
APT-ID: 11789
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance
205.1956: 2.524e+5

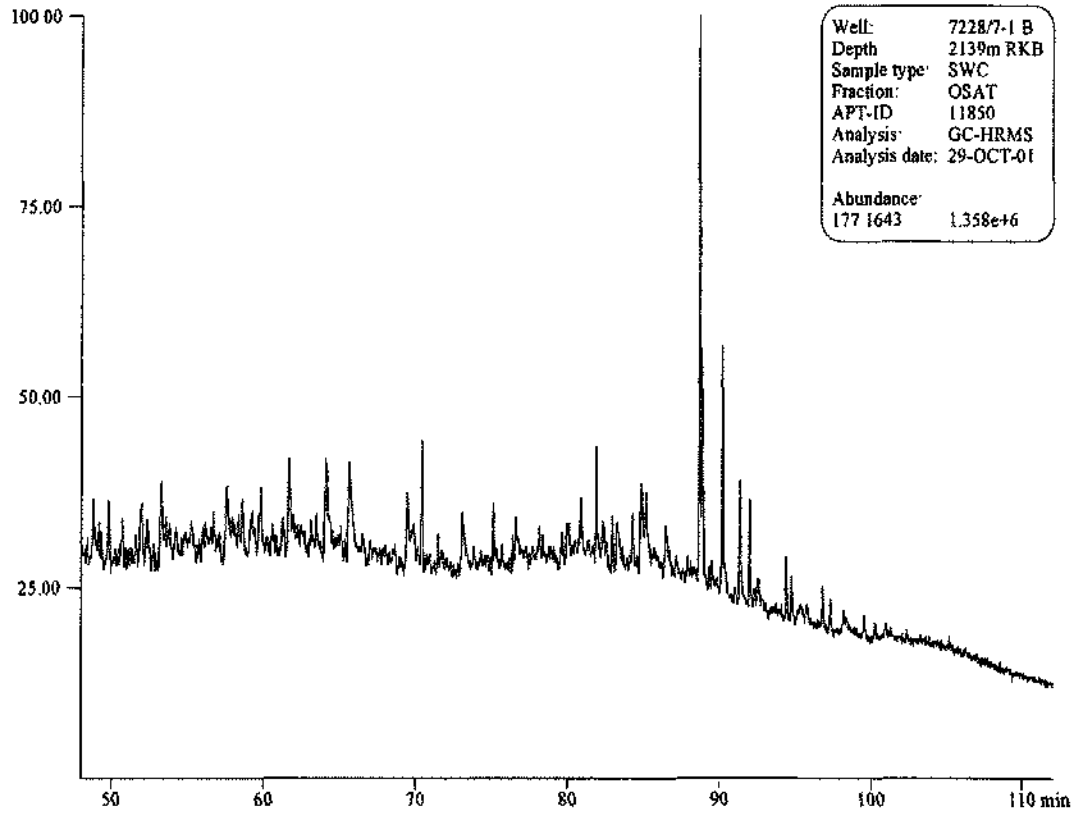

2.00
1.50
1.00
0.50
60
70
80
90
100 min.
Well: 7228/7-1 ST3
Depth: 1719m RKB
Sample type: DC
Fraction: ESAT
APT-ID: 11789
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance
217.2035 1.779e+5

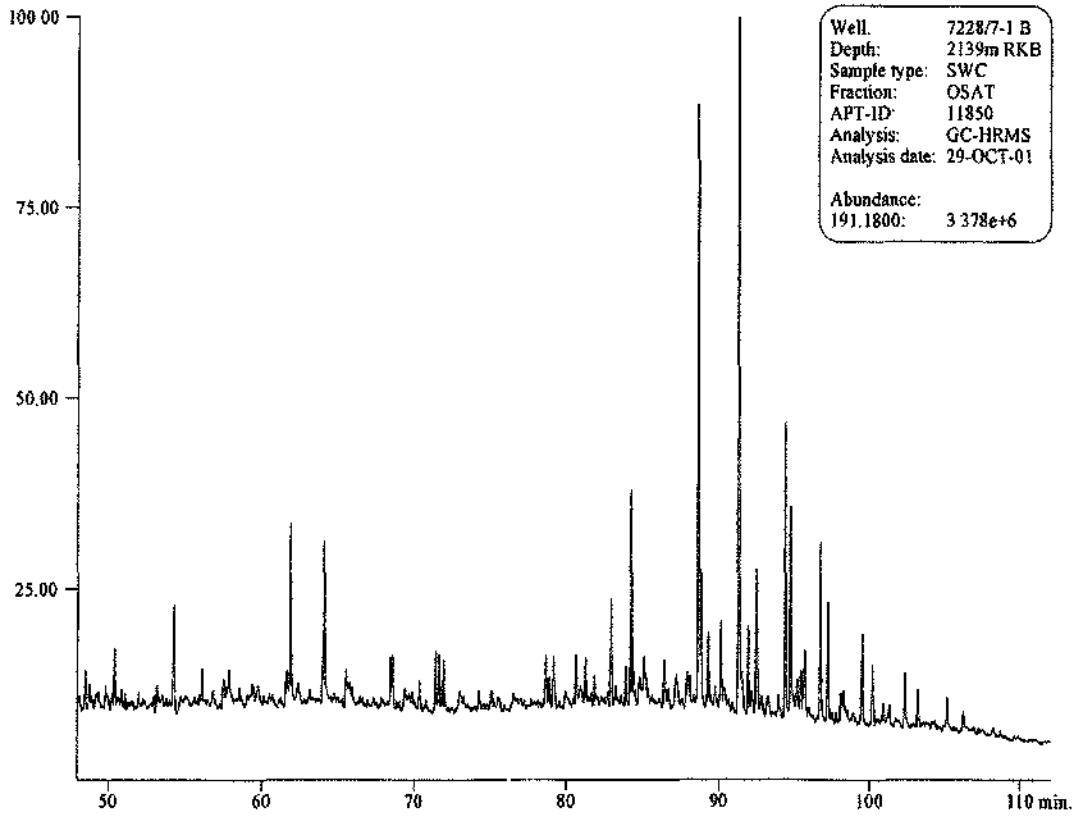

Well: 7228/7-1 ST3
Depth: 1719m RKB
Sample type: DC
Fraction: ESAT
APT-ID: 11789
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance
218.2035: 1.112e+5
2.56
1.92
1.28
0.64
60
70
80
90
100 min

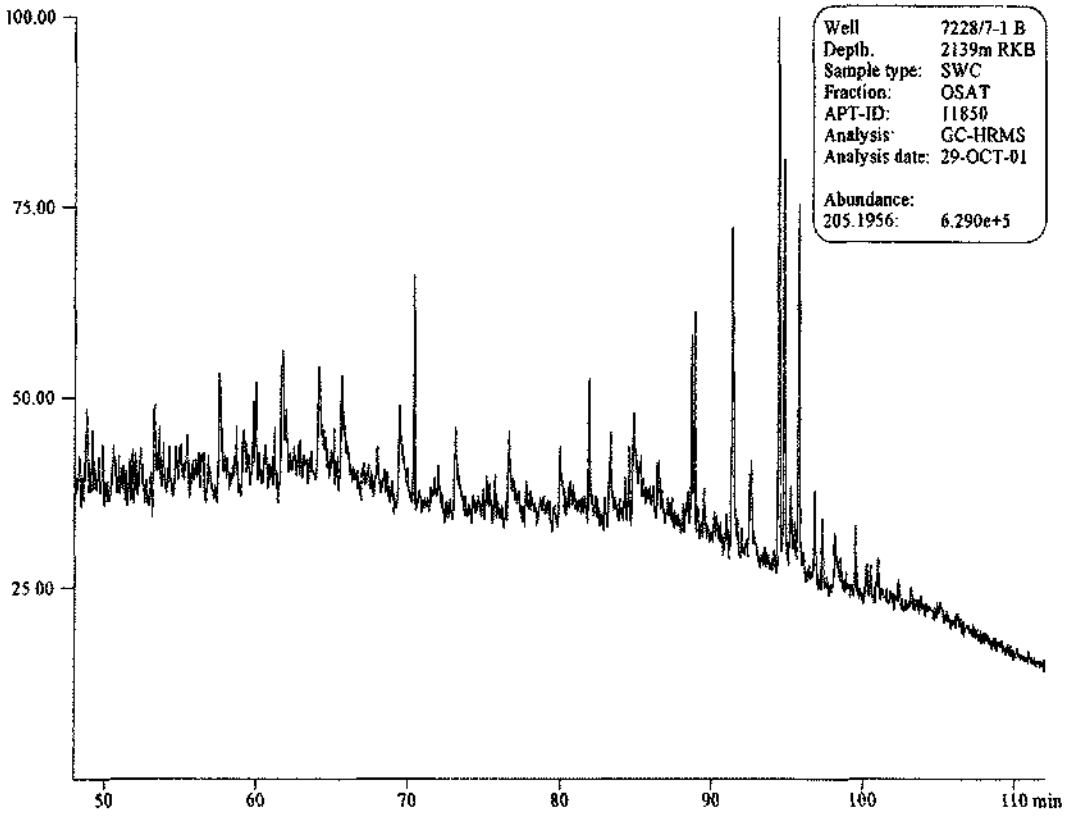

Well: 7228/7-1 ST3
Depth: 1719m RKB
Sample type: DC
Fraction: ESAT
APT-ID: 11789
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance
231.2113: 1.618e+5
100.00
75.00
50.00
25.00
60
70
80
90
100 min.

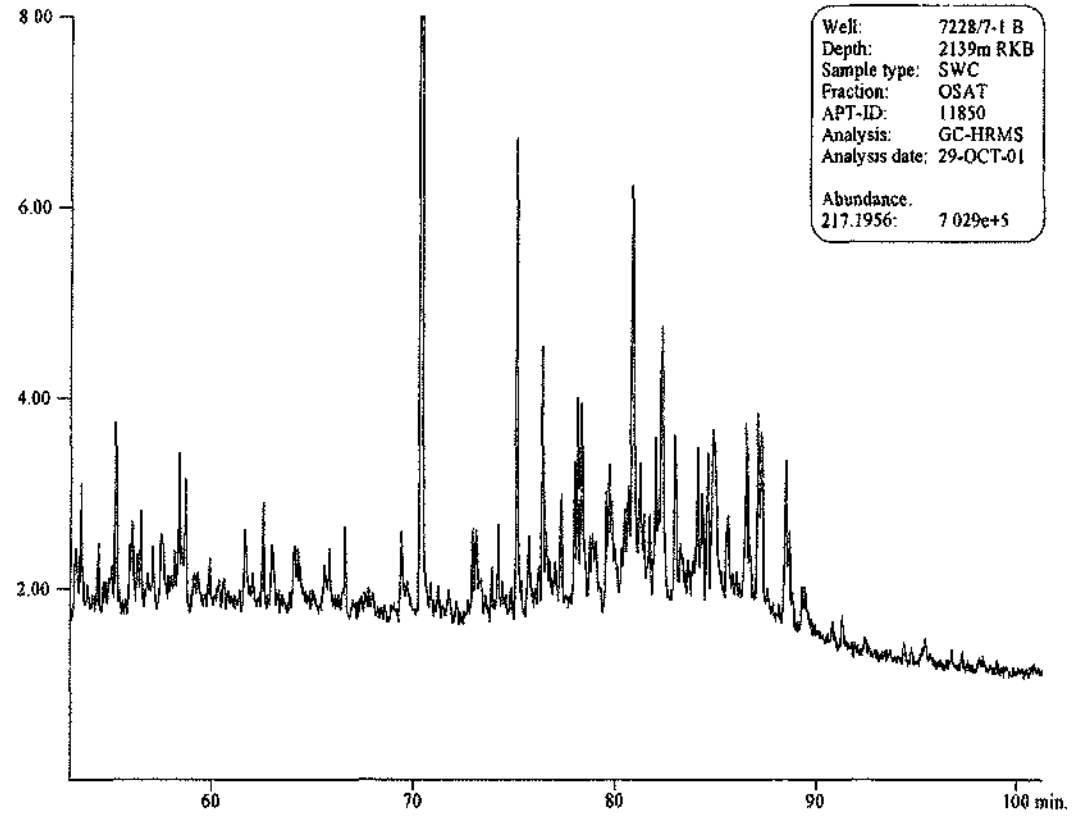

57.15
42.86
28.57
14.29
60
70
80
90
100 min.
Well: 7228/7-1 ST3
Depth 1719m RKB
Sample type: DC
Fraction: ESAT
APT-ID: 11789
Analysis. GC-HRMS
Analysis date. 29-OCT-01
Abundance:
253 1956,253.2895: 2 783e+5

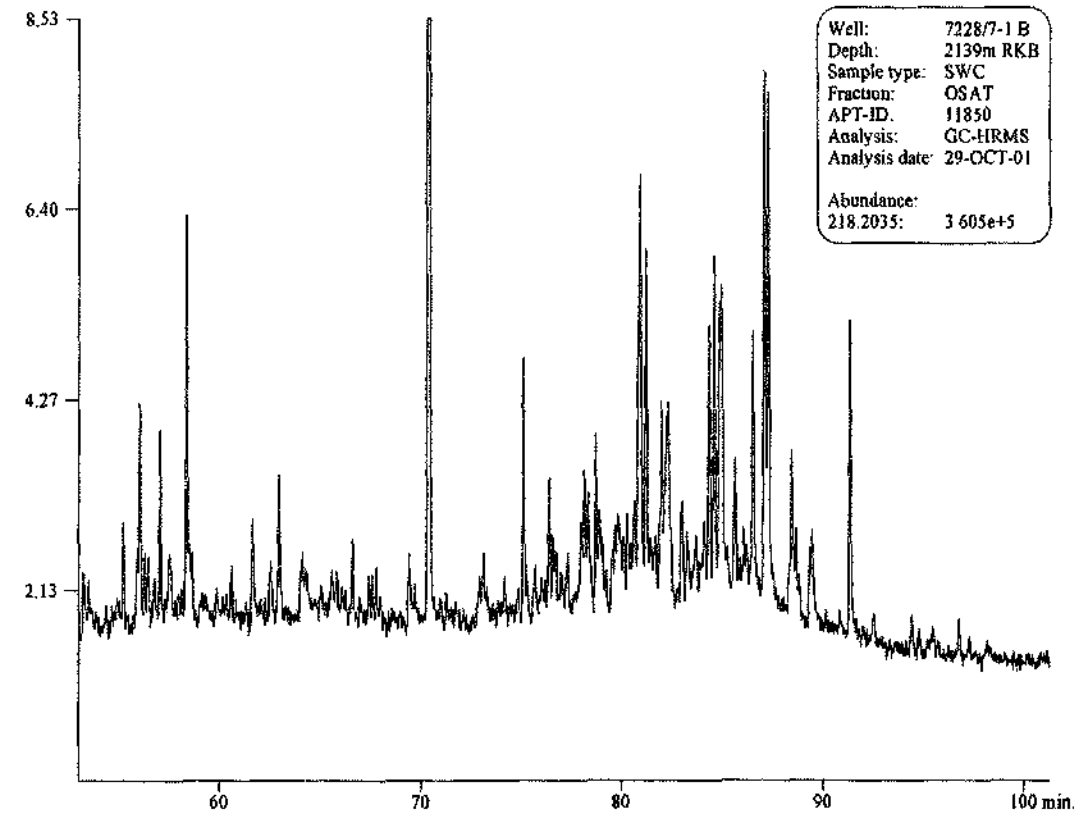

100.00
75.00
50.00
25 00
60
70
80
90
100 min.
Well: 7228/7-1 ST3
Depth. 1719m RKB
Sample type: DC
Fraction: ESAT
APT-ID: 11789
Analysis. GC-HRMS
Analysis date. 29-OCT-01
Abundance:
259.2426. 2.108e+5

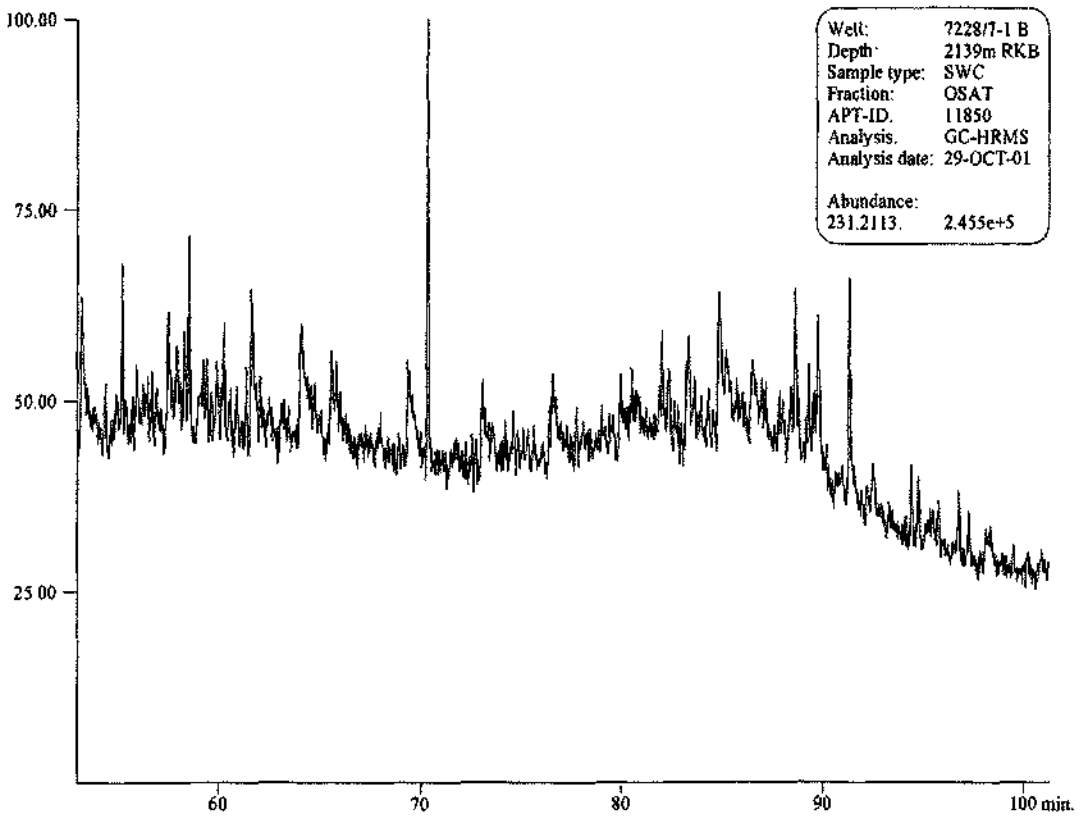

100 00
75.00
50.00
25.00
50
60
70
80
90
100
110 min
Well: 7228/7-1 B
Depth 2139m RKB
Sample type: SWC
Fraction: OSAT
APT-ID 11850
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance:
177 1643 1.358e+6

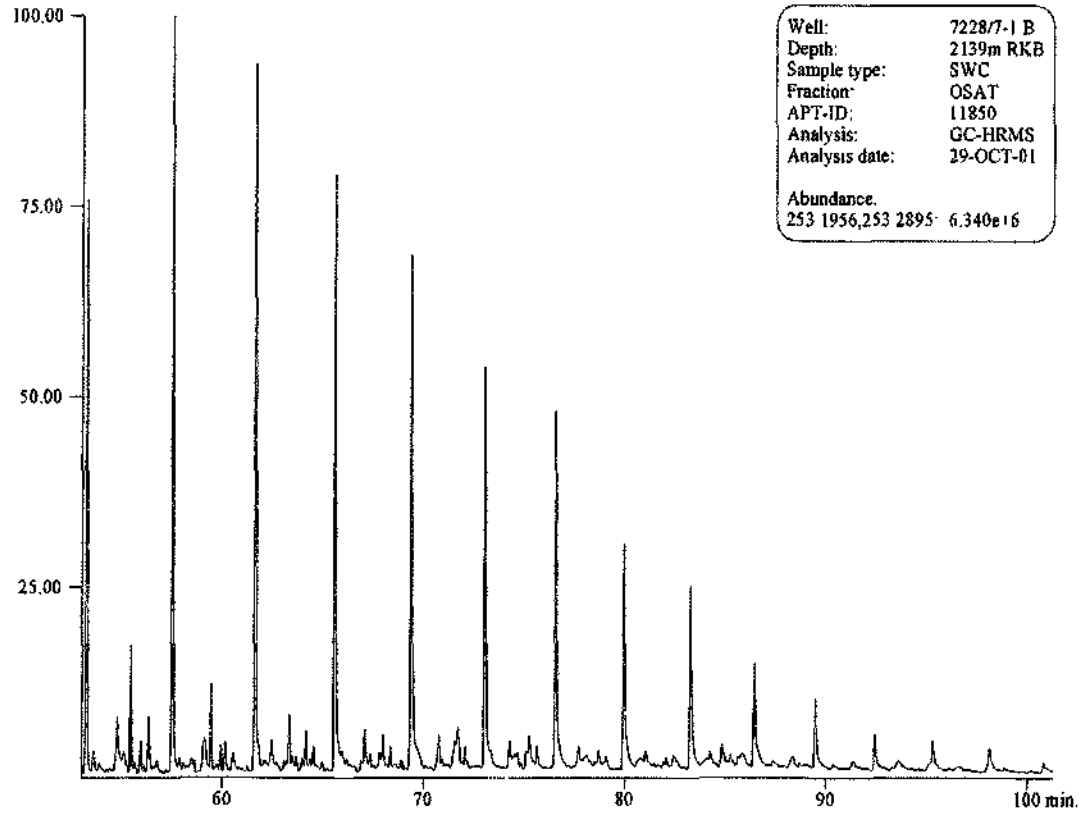

100 00
75.00
50.00
25.00
50
60
70
80
90
100
110 min.
Well. 7228/7-1 B
Depth: 2139m RKB
Sample type: SWC
Fraction: OSAT
APT-ID 11850
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance:
191.1800: 3 378e+6

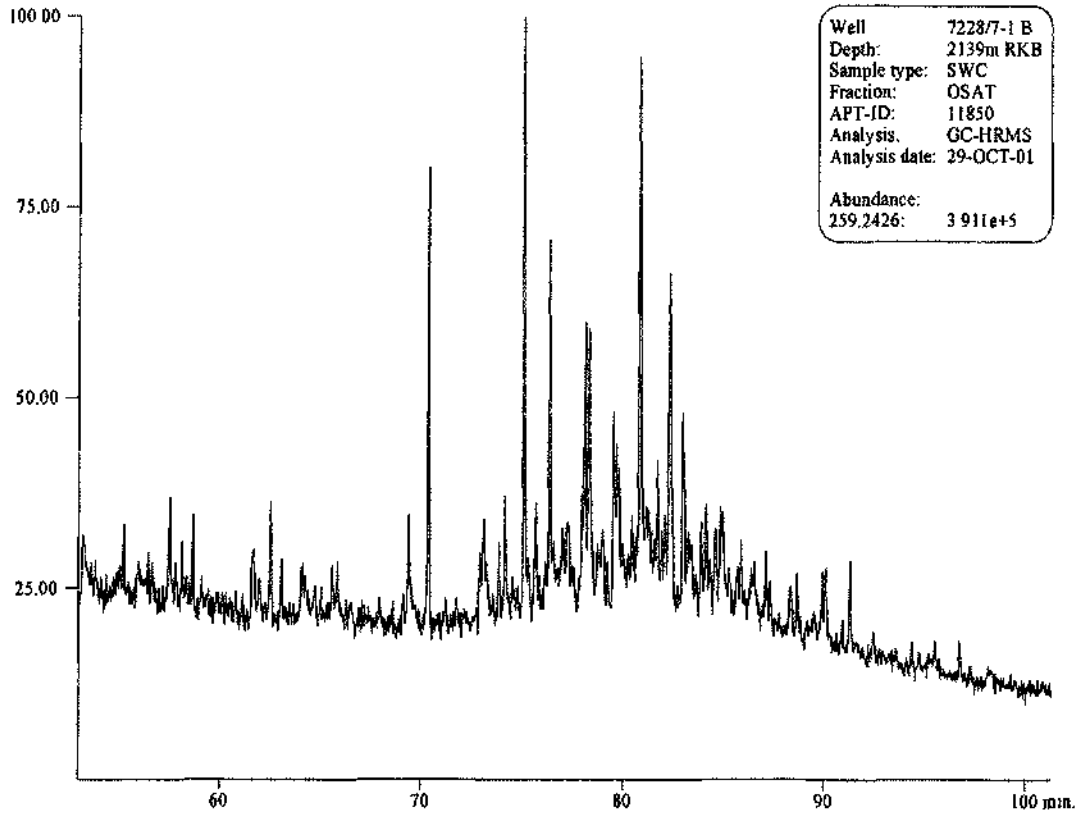

Well 7228/7-1 B
Depth. 2139m RKB
Sample type: SWC
Fraction: OSAT
APT-ID: 11850
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance:
205.1956: 6.290e+5
100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min

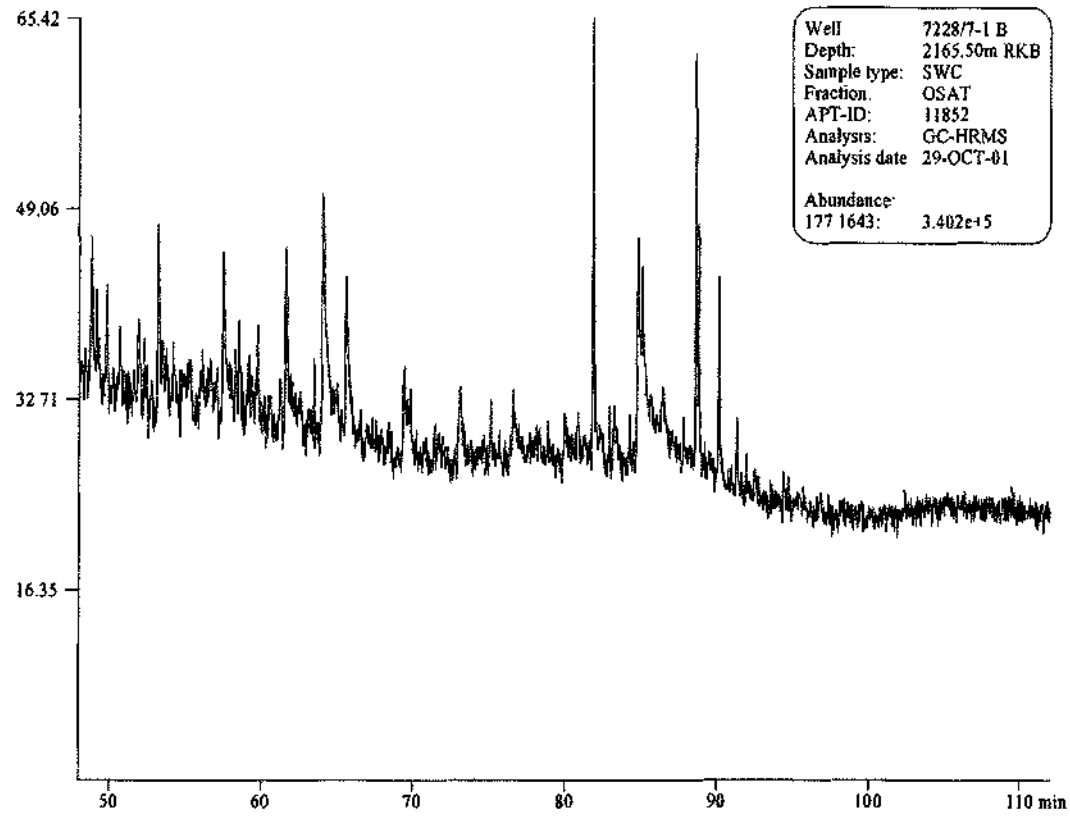

Well: 7228/7-1 B
Depth: 2139m RKB
Sample type: SWC
Fraction: OSAT
APT-ID: 11850
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance.
217.1956: 7.029e+5
8.00
6.00
4.00
2.00
60
70
80
90
100 min.

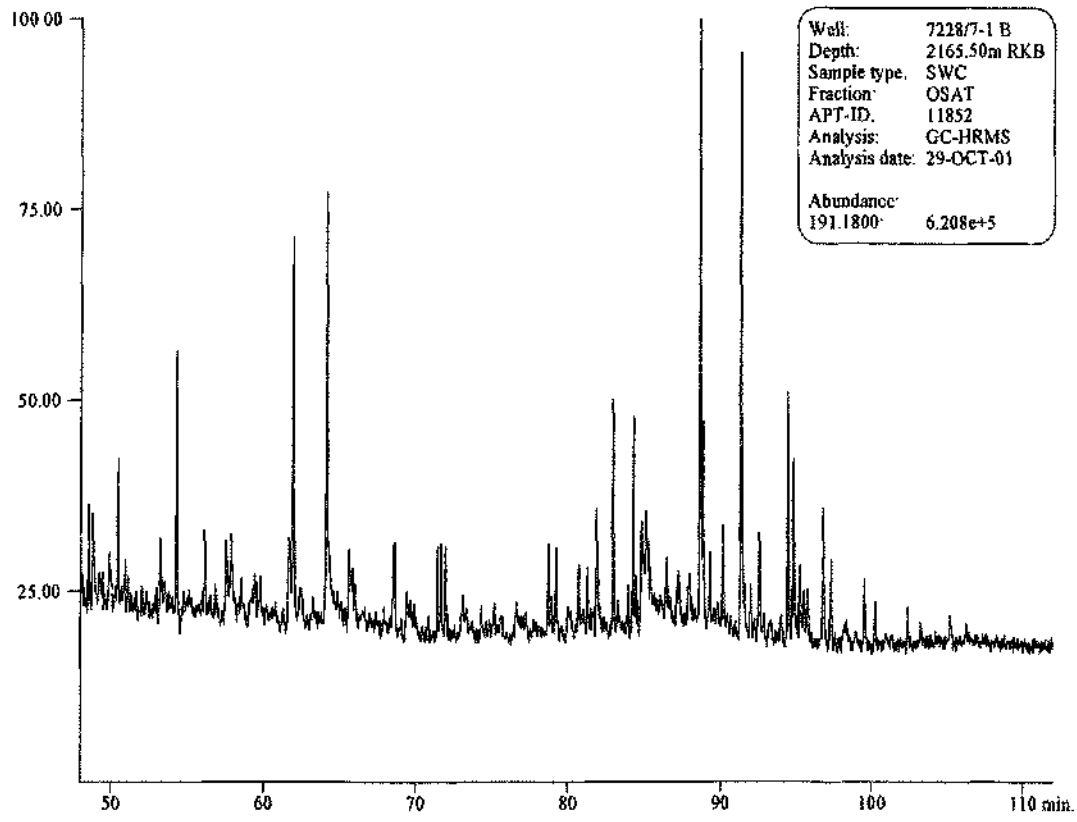

8.53
6.40
4.27
2.13
60
70
80
90
100 min.
Well: 7228/7-1 B
Depth: 2139m RKB
Sample type: SWC
Fraction: OSAT
APT-ID. 11850
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance:
218.2035: 3.605e+5

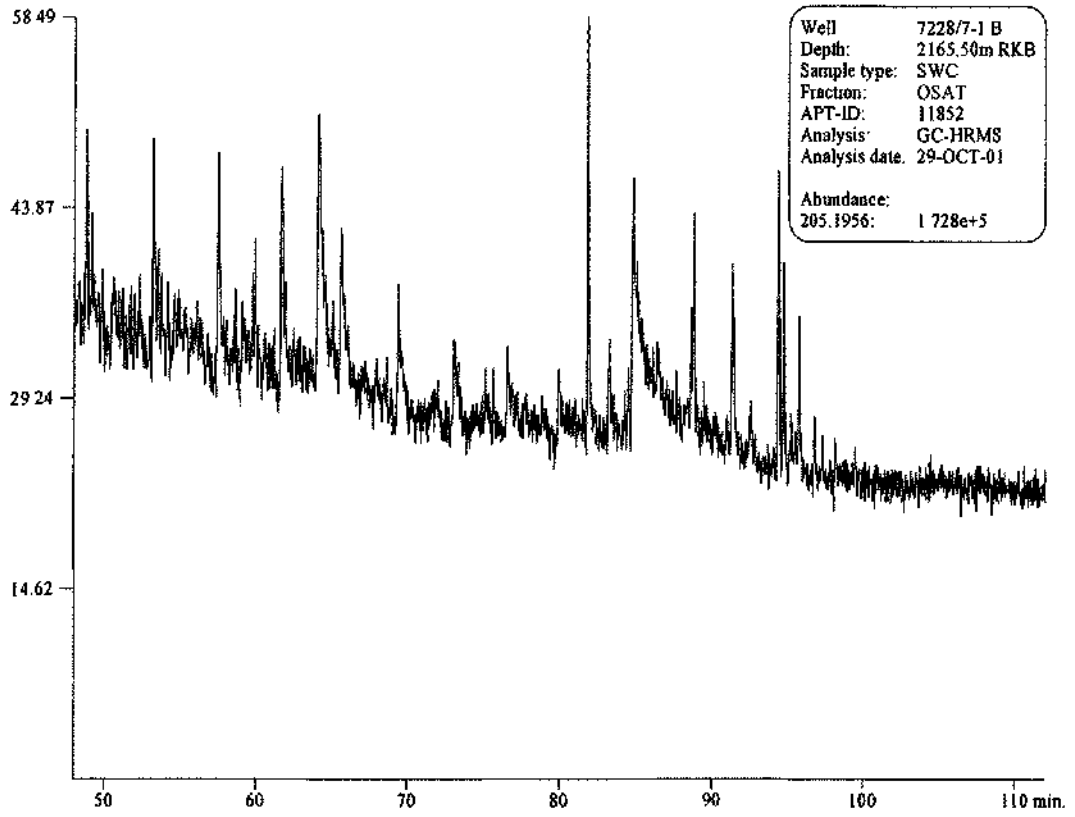

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Well: 7228/7-1 B
Depth: 2139m RKB
Sample type: SWC
Fraction: OSAT
APT-ID. 11850
Analysis. GC-HRMS
Analysis date: 29-OCT-01
Abundance:
231.2113. 2.455e+5

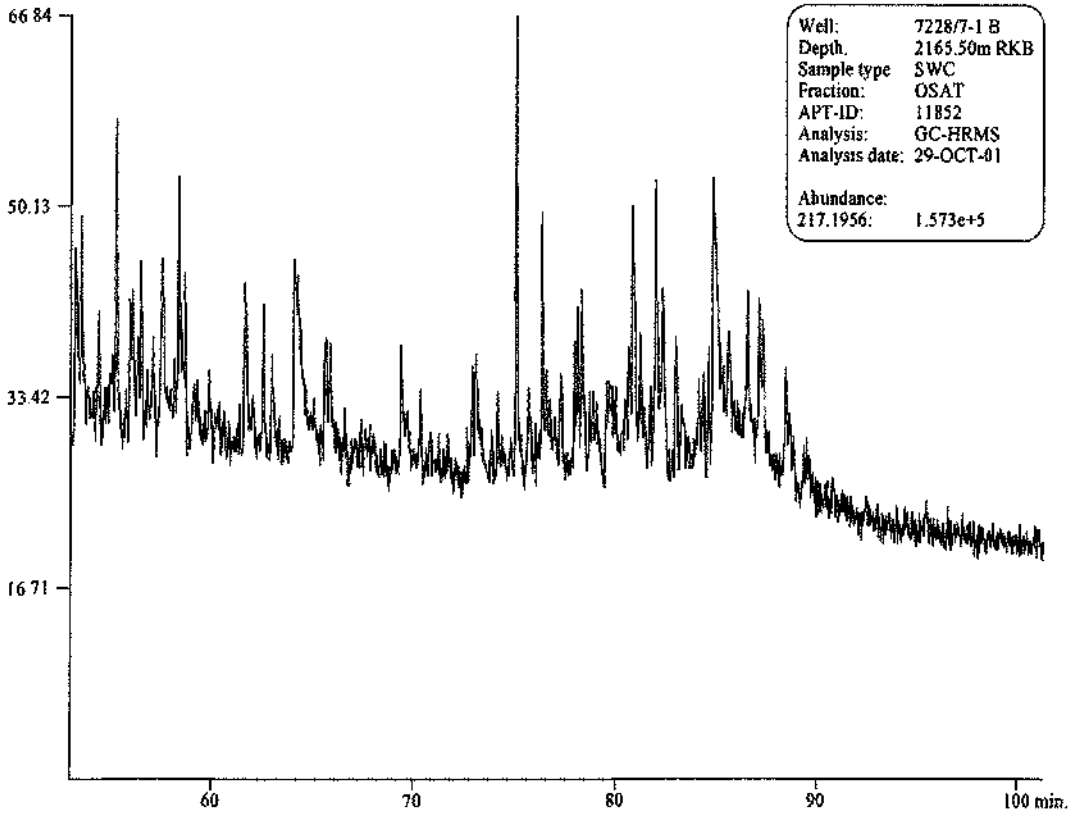

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Well: 7228/7-1 B
Depth: 2139m RKB
Sample type: SWC
Fraction: OSAT
APT-ID: 11850
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance.
253 1956,253 2895: 6.340e16

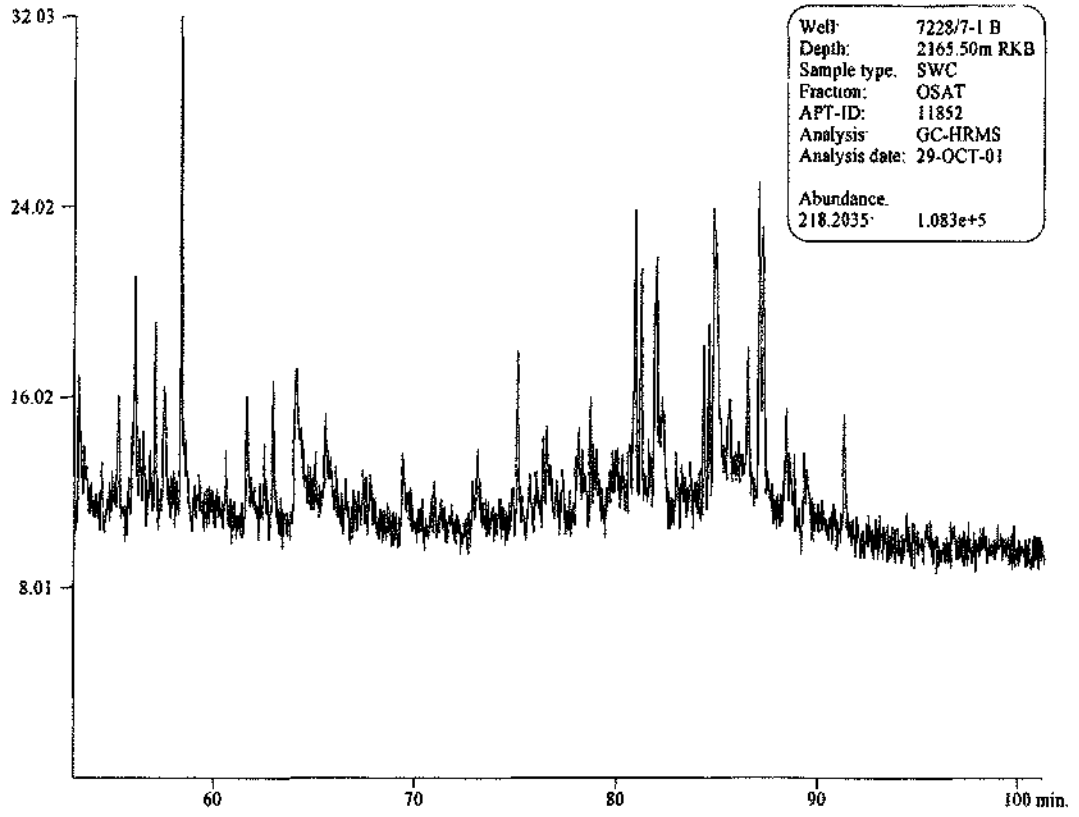

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Well 7228/7-1 B
Depth: 2139m RKB
Sample type: SWC
Fraction: OSAT
APT-ID: 11850
Analysis. GC-HRMS
Analysis date: 29-OCT-01
Abundance:
259.2426: 3.911e+5

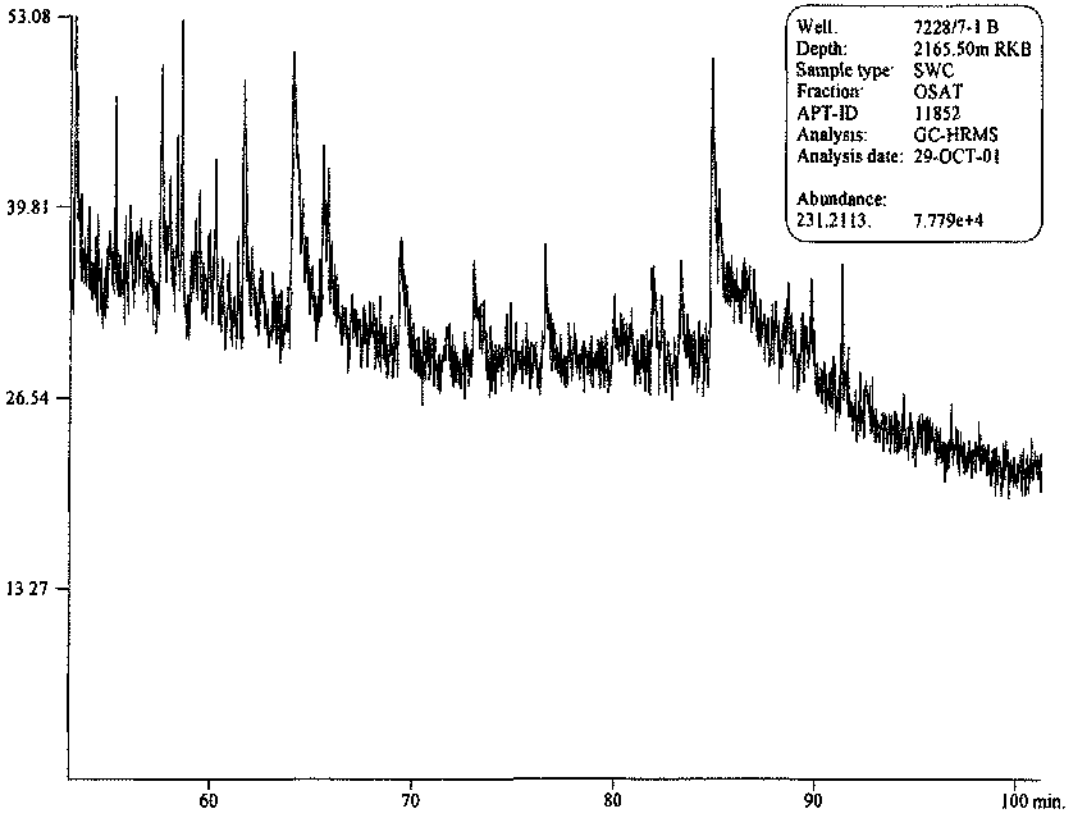

65.42
49.06
32.71
16.35
50
60
70
80
90
100
110 min
Well 7228/7-1 B
Depth: 2165.50m RKB
Sample type: SWC
Fraction: OSAT
APT-ID: 11852
Analysis: GC-HRMS
Analysis date 29-OCT-01
Abundance:
177 1643: 3.402e+5

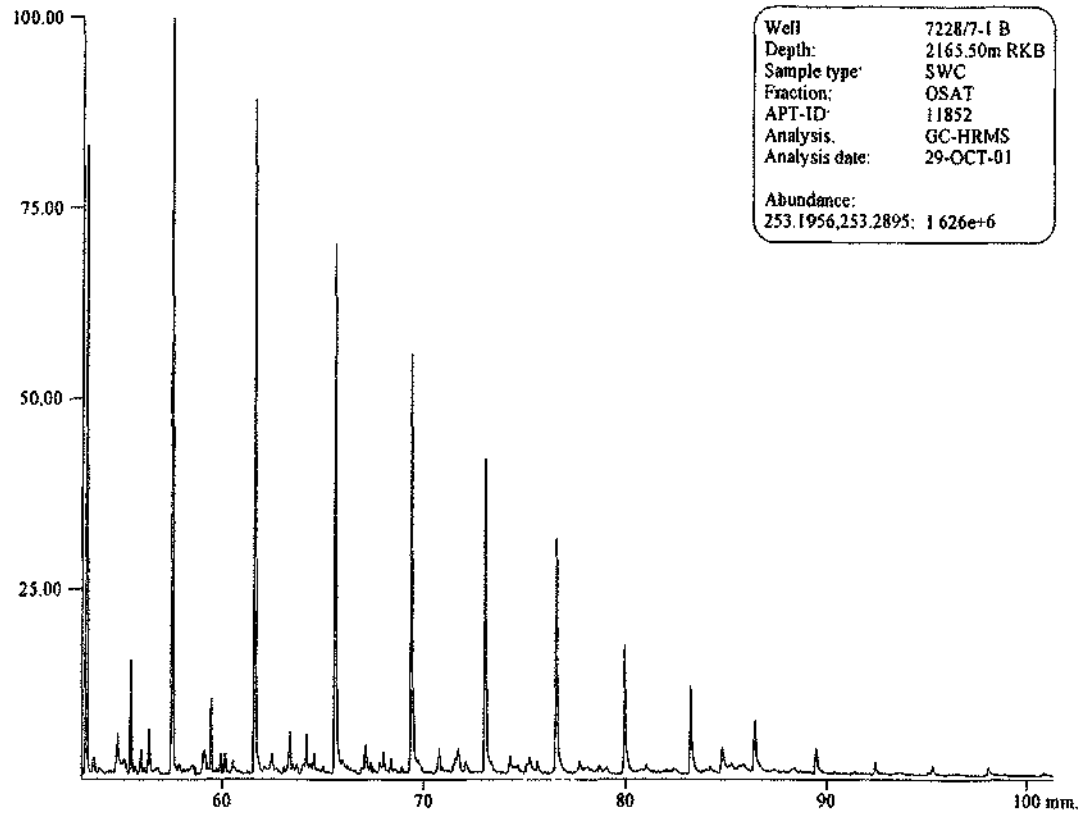

100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min.
Well: 7228/7-1 B
Depth: 2165.50m RKB
Sample type: SWC
Fraction: OSAT
APT-ID: 11852
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance:
191.1800: 6.208e+5

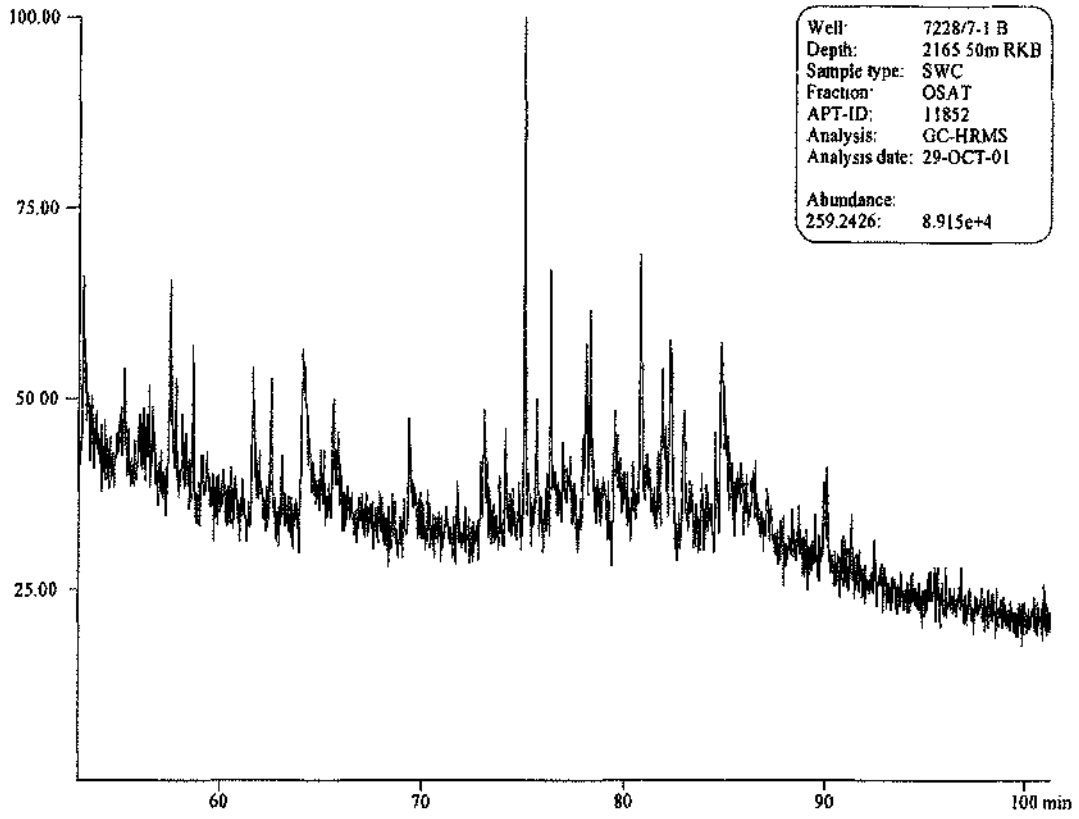

58.49
43.87
29.24
14.62
50
60
70
80
90
100
110 min.
Well 7228/7-1 B
Depth: 2165.50m RKB
Sample type: SWC
Fraction: OSAT
APT-ID: 11852
Analysis: GC-HRMS
Analysis date. 29-OCT-01
Abundance:
205.1956: 1.728e+5

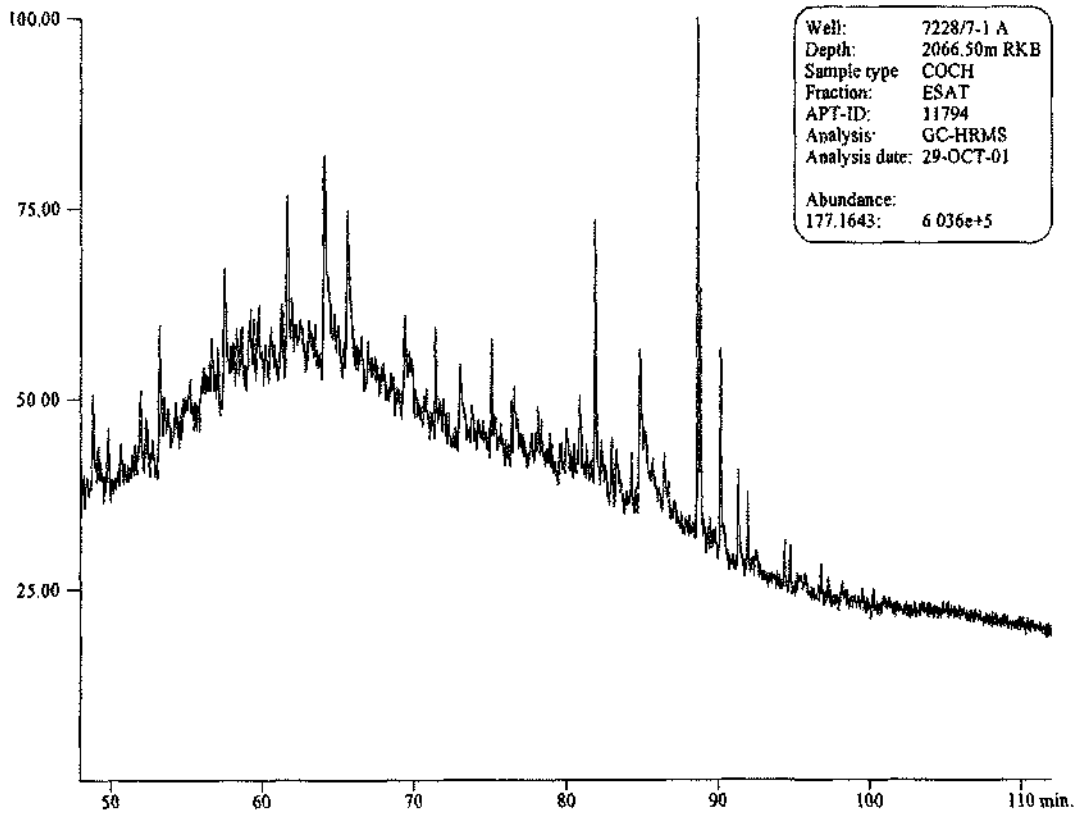

66.84
50.13
33.42
16.71
60
70
80
90
100 min.
Well: 7228/7-1 B
Depth. 2165.50m RKB
Sample type SWC
Fraction: OSAT
APT-ID: 11852
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance:
217.1956: 1.573e+5

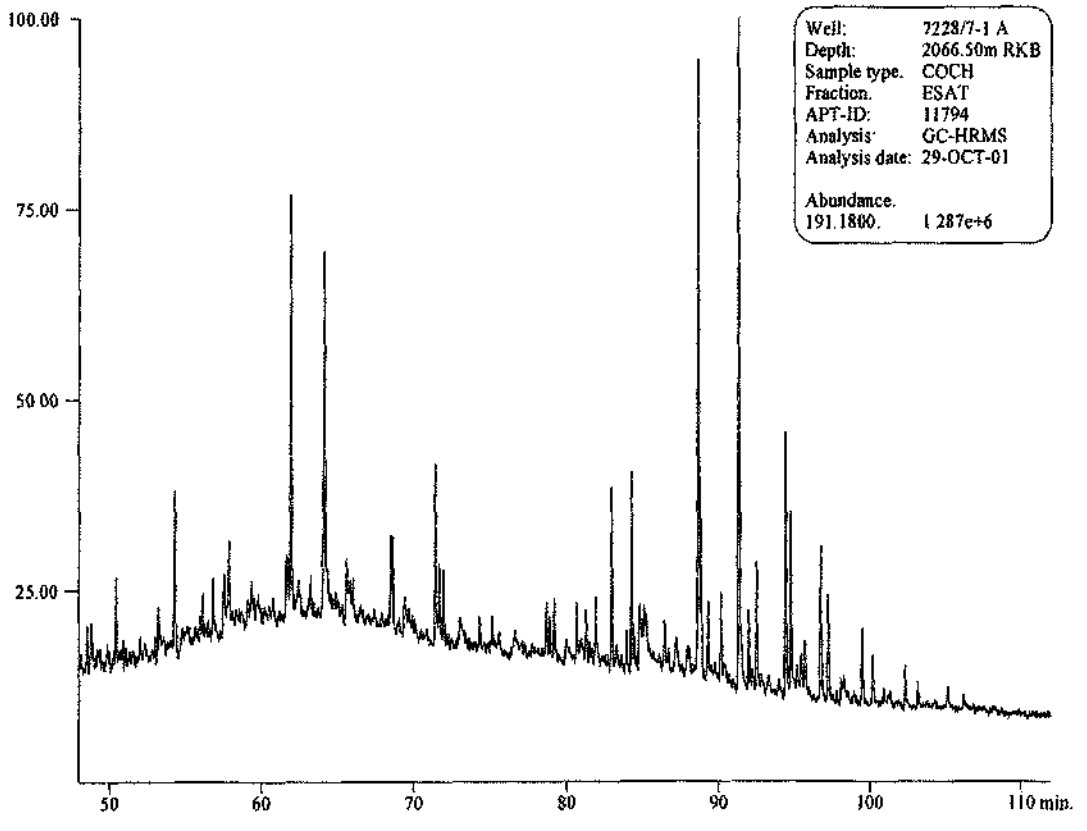

32.03
24.02
16.02
8.01
60
70
80
90
100 min.
Well: 7228/7-1 B
Depth: 2165.50m RKB
Sample type: SWC
Fraction: OSAT
APT-ID: 11852
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance
218.2035: 1.083e+5

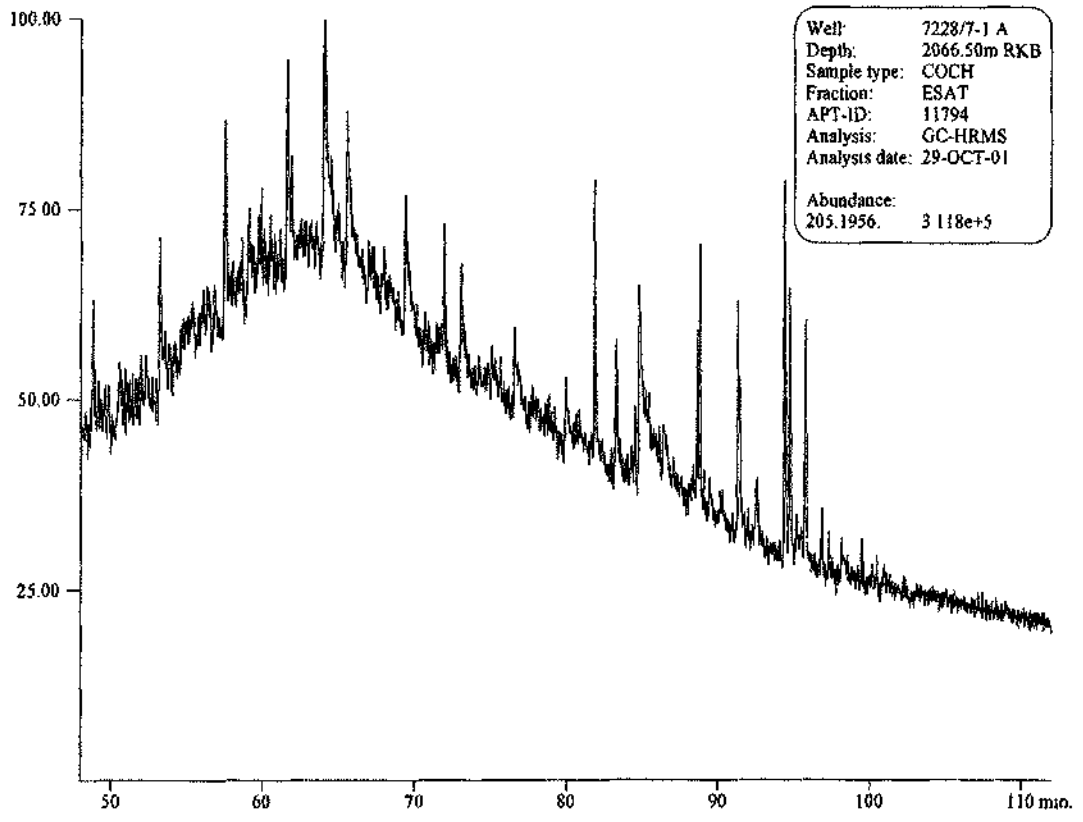

53.08
39.81
26.54
13.27
60
70
80
90
100 min.
Well: 7228/7-1 B
Depth: 2165.50m RKB
Sample type: SWC
Fraction: OSAT
APT-ID: 11852
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance:
231.2113: 7.779e+4

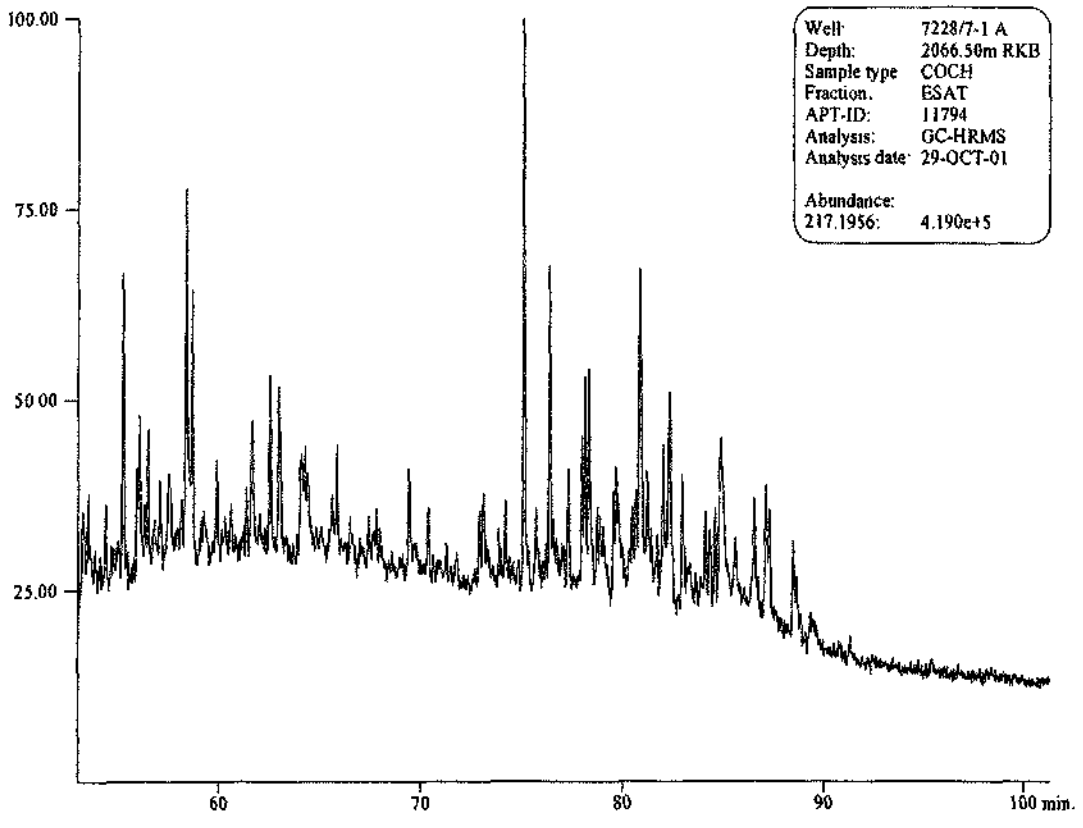

Well 7228/7-1 B
Depth: 2165.50m RKB
Sample type: SWC
Fraction: OSAT
APT-ID: 11852
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance:
253.1956,253.2895: 1.626e+6
100.00
75.00
50.00
25.00
60
70
80
90
100 mm.

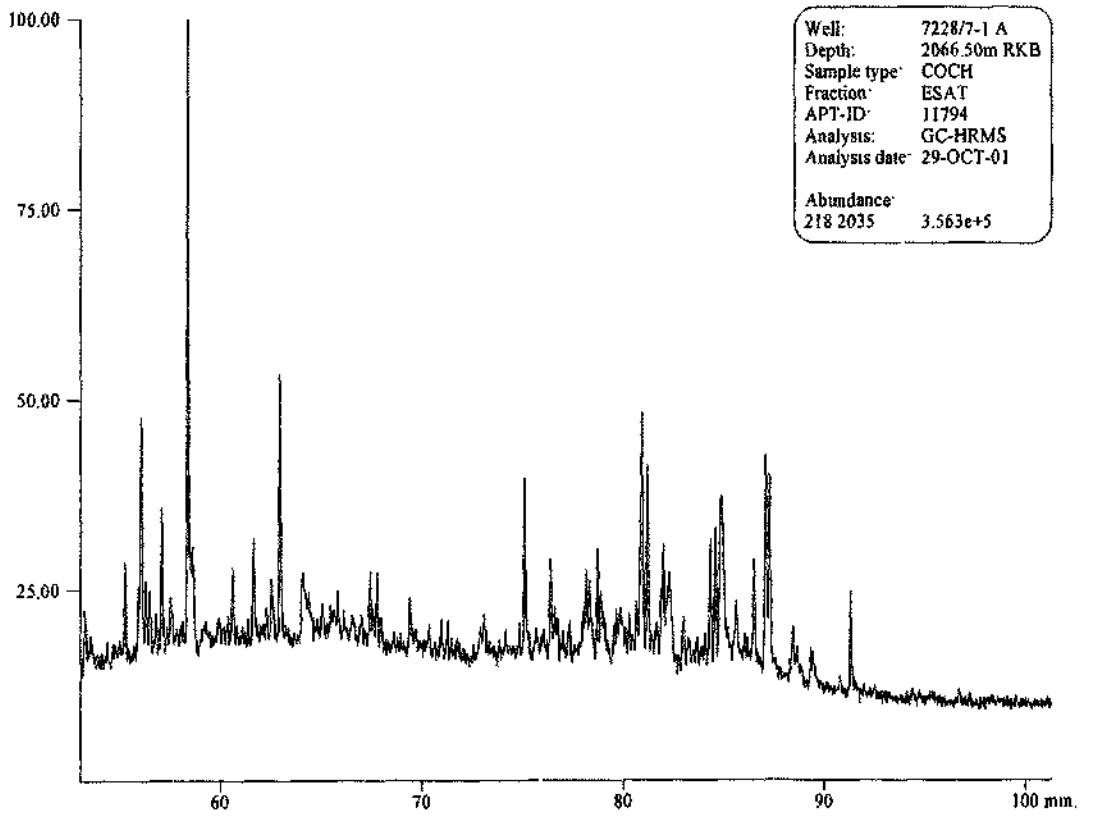

Well: 7228/7-1 B
Depth: 2165.50m RKB
Sample type: SWC
Fraction: OSAT
APT-ID: 11852
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance:
259.2426: 8.915e+4
100.00
75.00
50.00
25.00
60
70
80
90
100 min

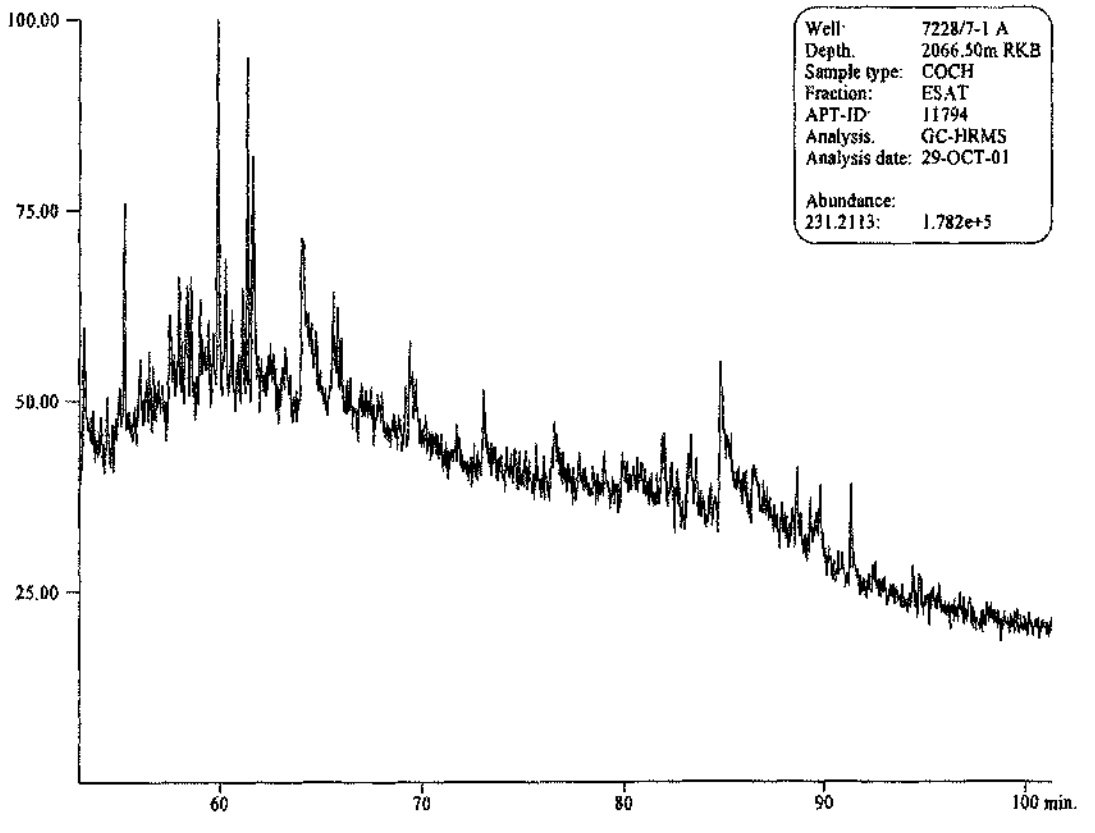

100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min.
Well: 7228/7-1 A
Depth: 2066.50m RKB
Sample type COCH
Fraction: ESAT
APT-ID: 11794
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance:
177.1643: 6.036e+5

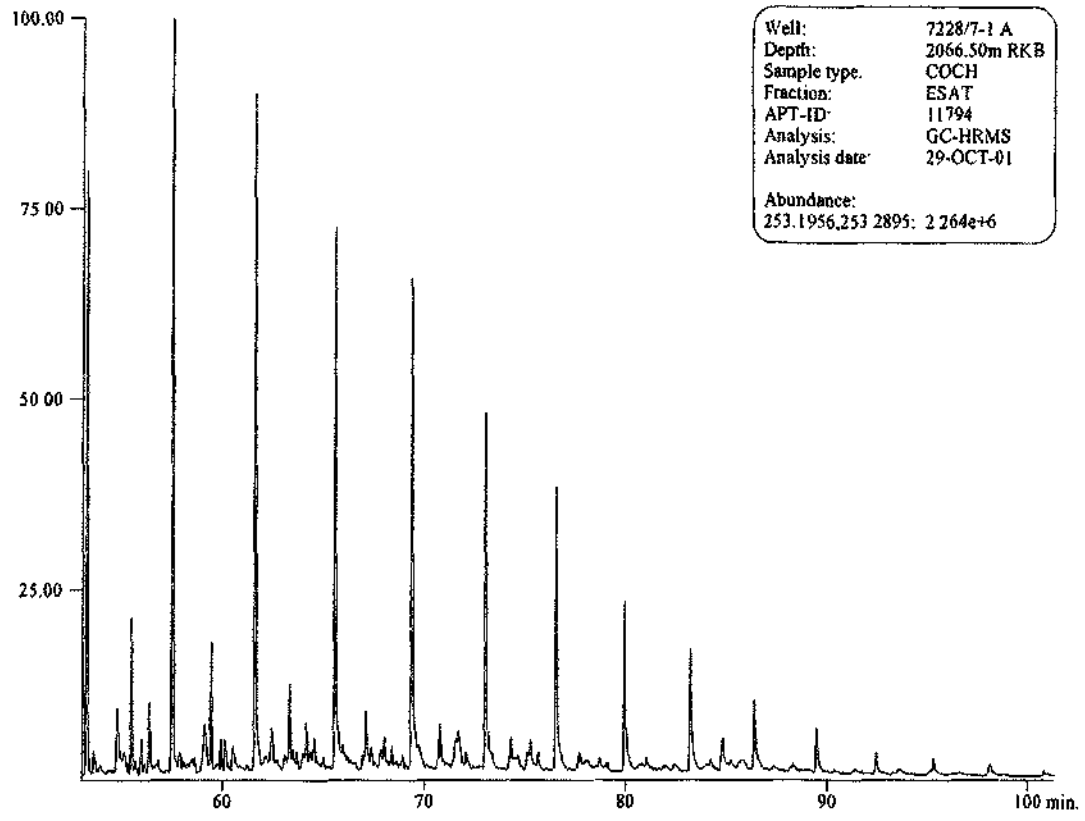

100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min.
Well: 7228/7-1 A
Depth: 2066.50m RKB
Sample type. COCH
Fraction. ESAT
APT-ID: 11794
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance.
191.1800. 1.287e+6

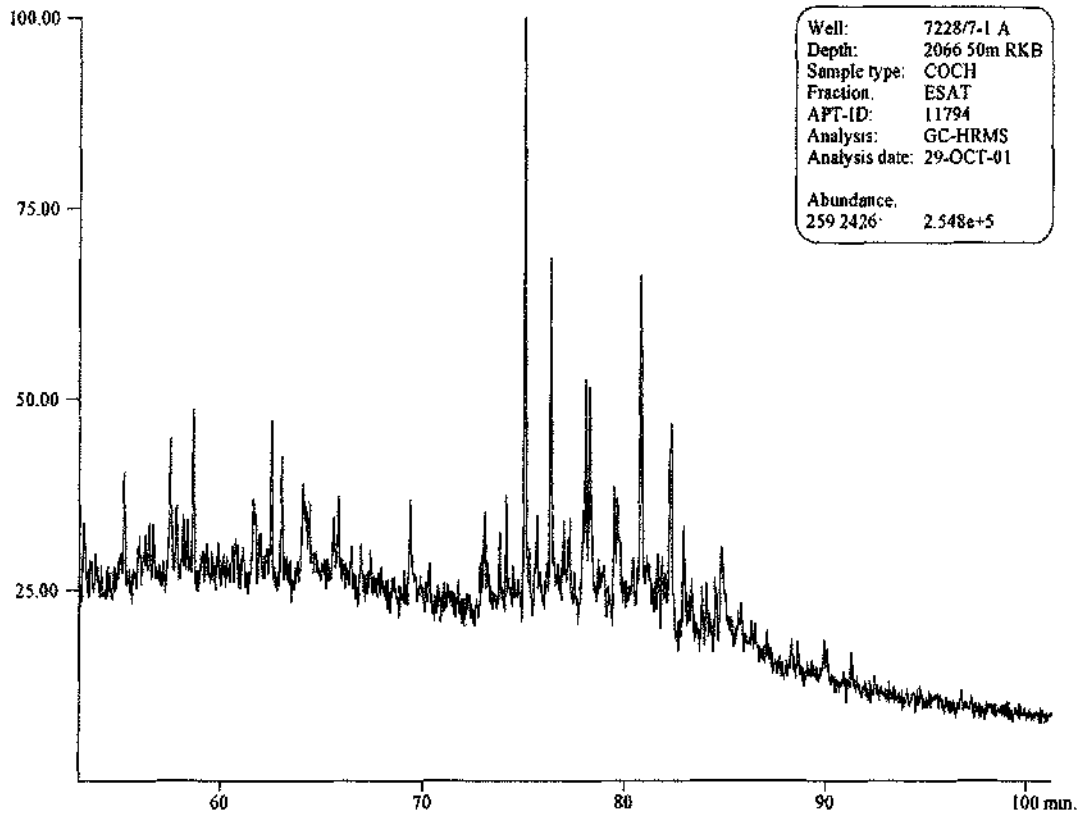

Well: 7228/7-1 A
Depth: 2066.50m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11794
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance:
205.1956. 3.118e+5
100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min.

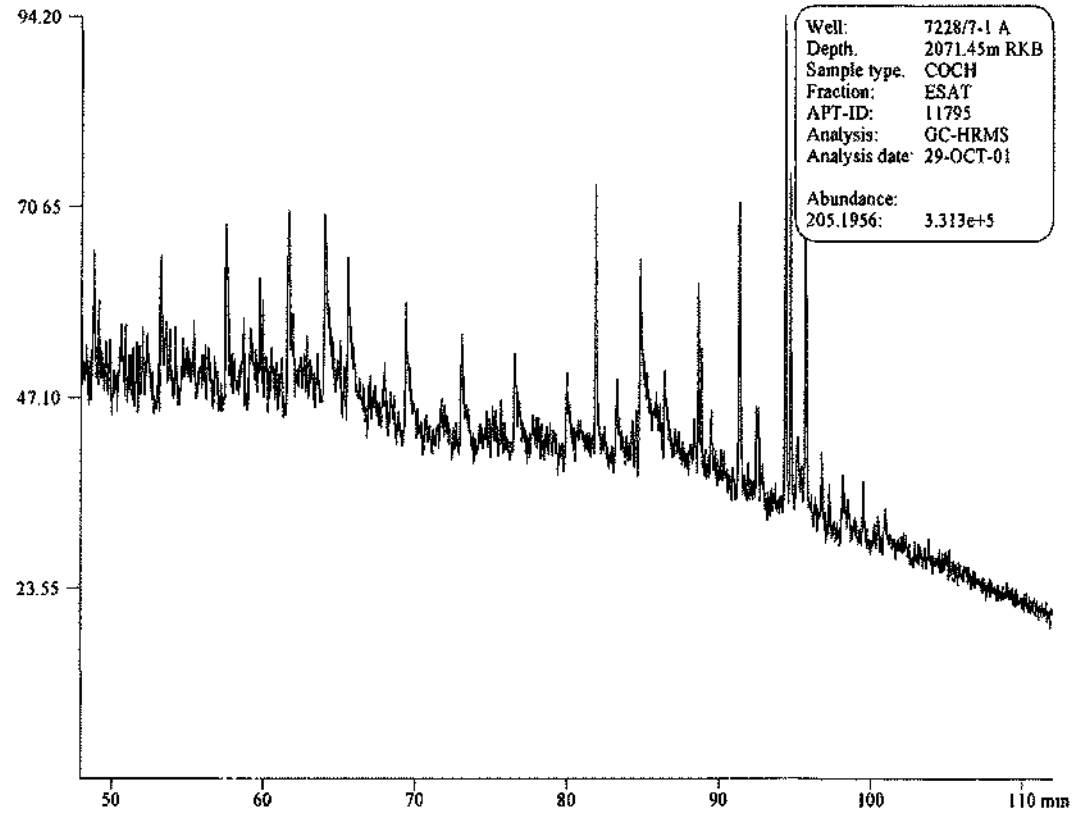

Well: 7228/7-1 A
Depth: 2066.50m RKB
Sample type COCH
Fraction. ESAT
APT-ID: 11794
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance:
217.1956: 4.190e+5
100.00
75.00
50.00
25.00
60
70
80
90
100 min.

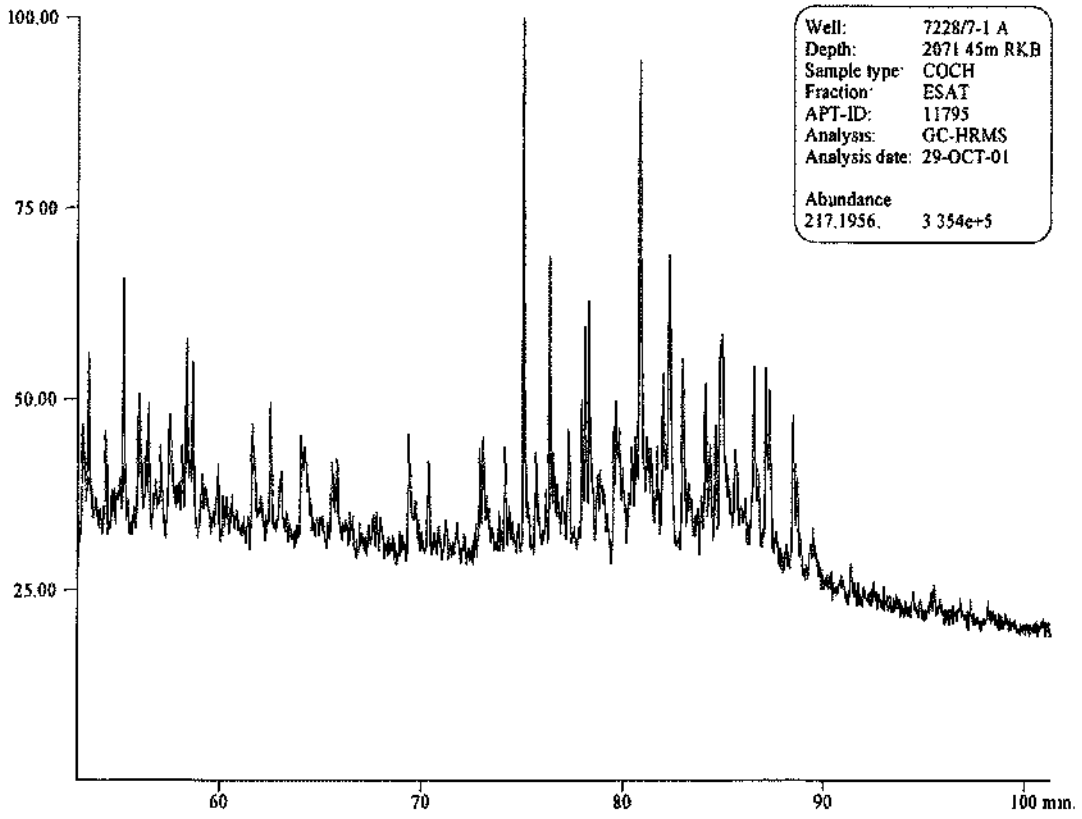

Well: 7228/7-1 A
Depth: 2066.50m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11794
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance
218 2035 3.563e+5
100.00
75.00
50.00
25.00
60
70
80
90
100 min.

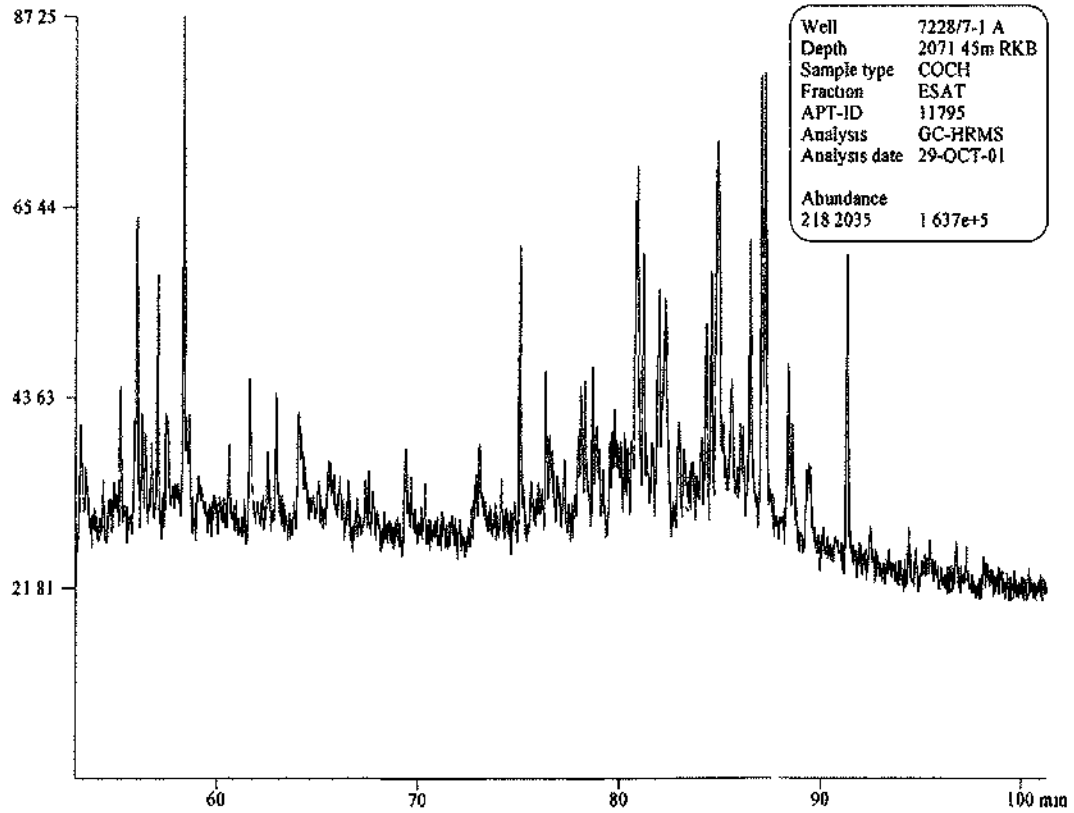

Well: 7228/7-1 A
Depth: 2066.50m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11794
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance:
231.2113: 1.782e+5
100.00
75.00
50.00
25.00
60
70
80
90
100 min.

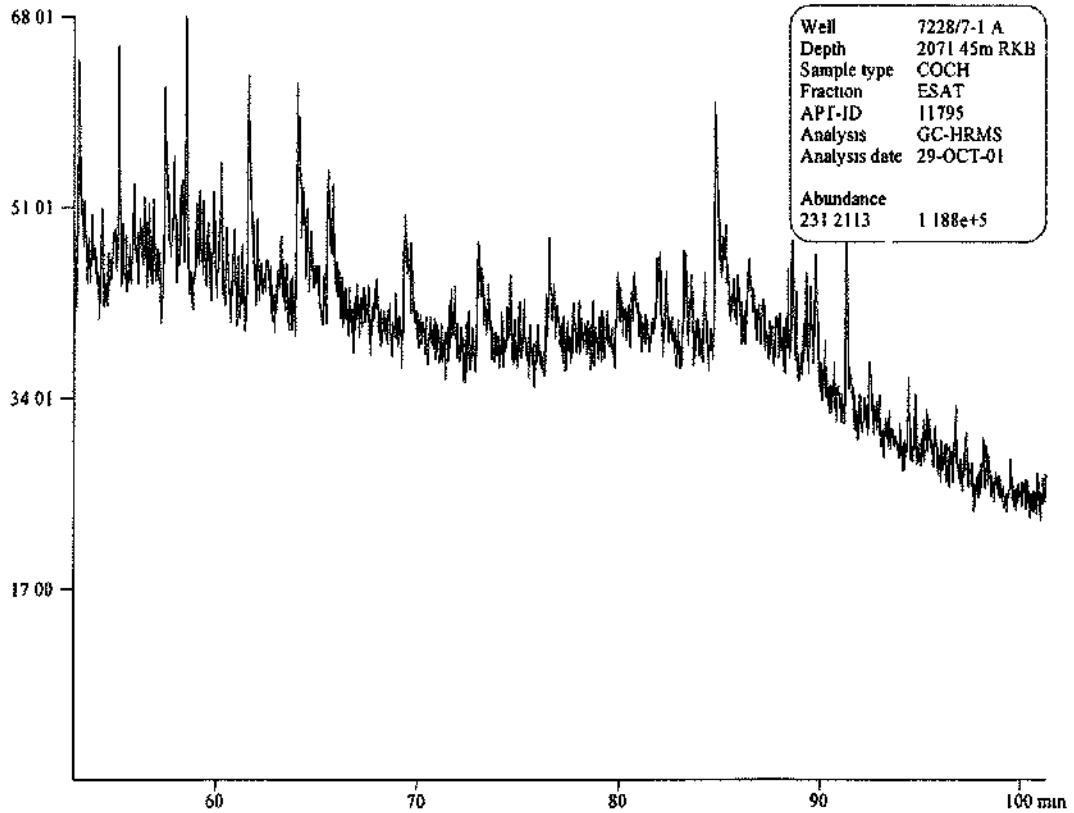

Well: 7228/7-1 A
Depth: 2066.50m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11794
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance:
253.1956,253.2895: 2.264e+6
100.00
75.00
50.00
25.00
60
70
80
90
100 min.

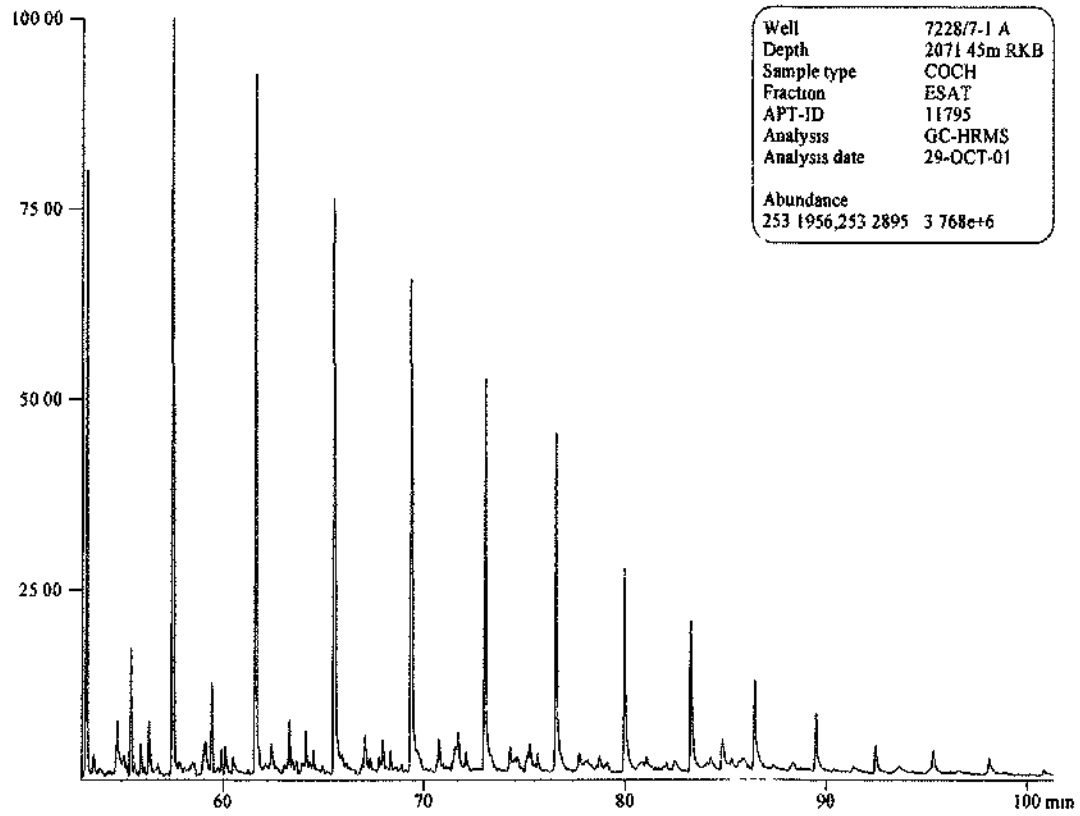

Well: 7228/7-1 A
Depth: 2066.50m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11794
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance:
259.2426: 2.548e+5
100.00
75.00
50.00
25.00
60
70
80
90
100 min.

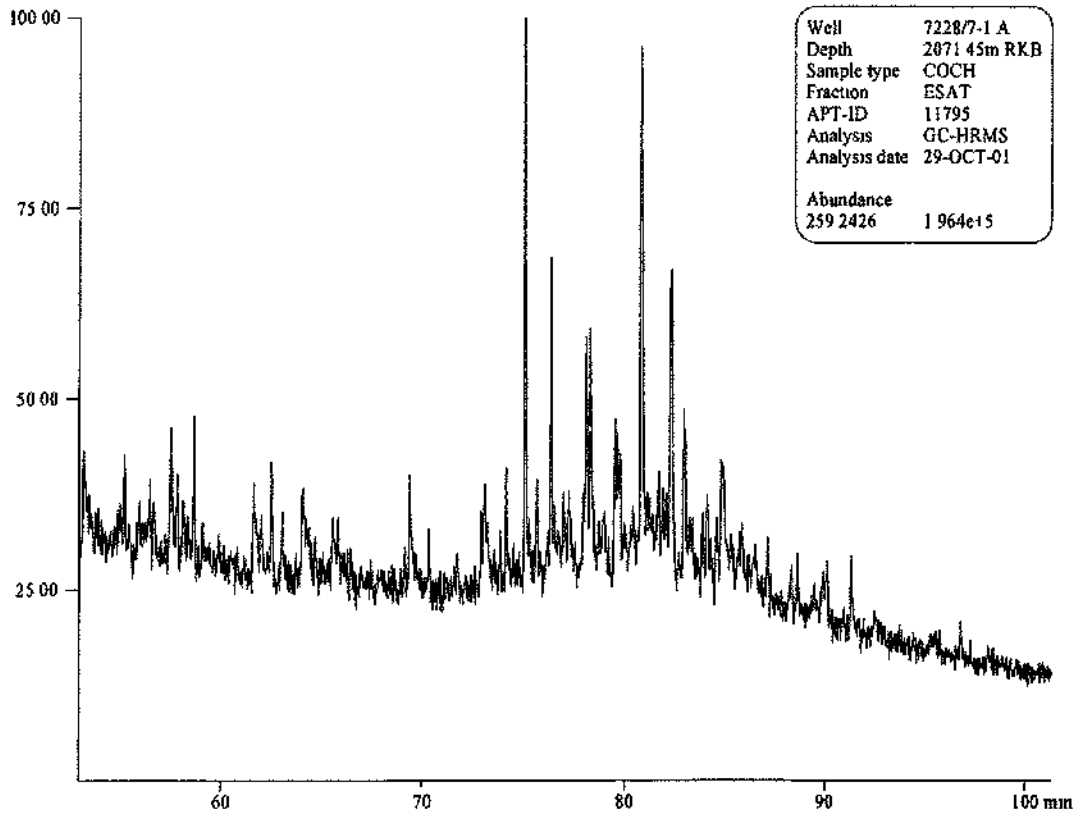

94.20
70.65
47.10
23.55
50
60
70
80
90
100
110 mn
Well: 7228/7-1 A
Depth: 2071.45m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11795
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance:
205.1956: 3.313e+5

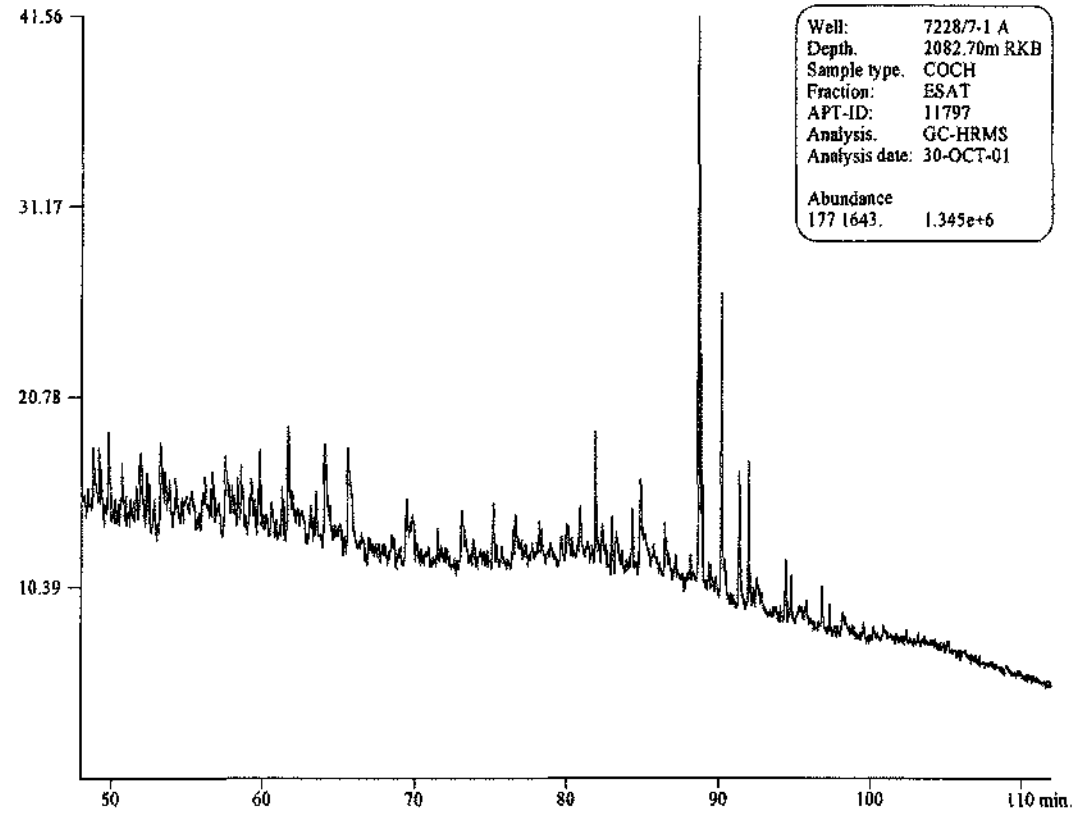

100.00
75.00
50.00
25.00
60
70
80
90
100 mn
Well: 7228/7-1 A
Depth: 2071.45m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11795
Analysis: GC-HRMS
Analysis date: 29-OCT-01
Abundance
217.1956: 3.354e+5

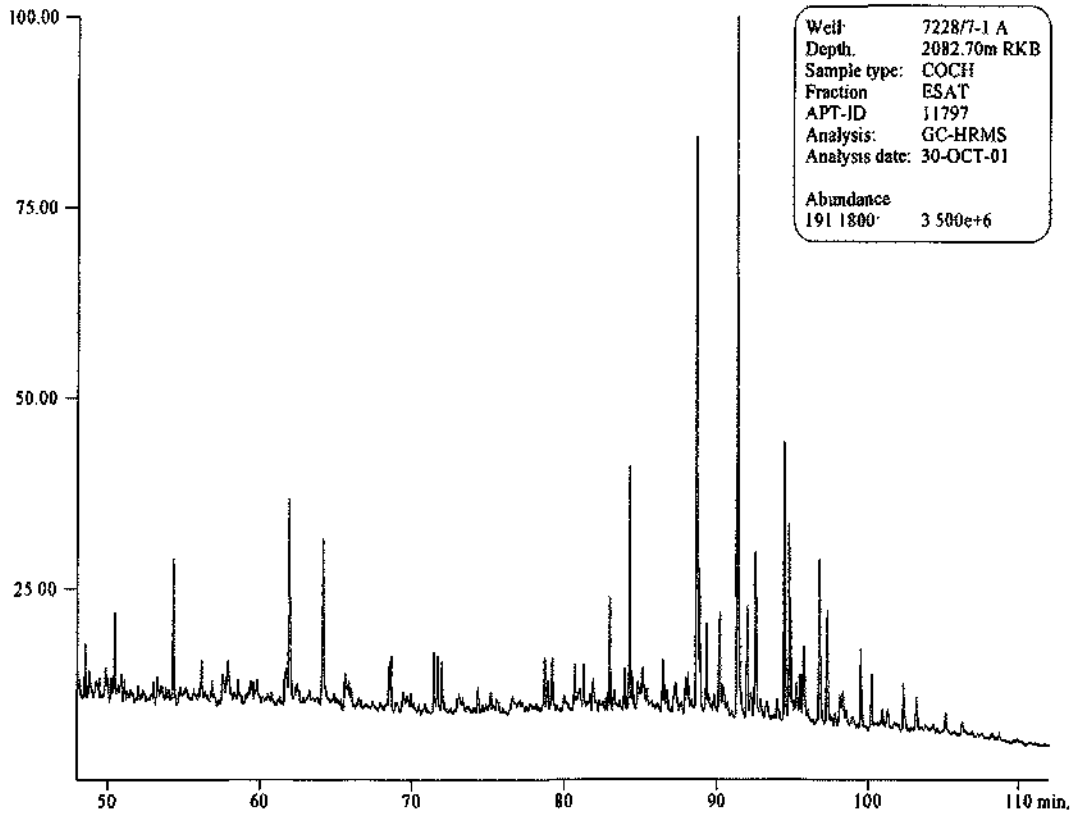

87 25
65 44
43 63
21 81
Well 7228/7-1 A
Depth 2071 45m RKB
Sample type COCH
Fraction ESAT
APT-ID 11795
Analysis GC-HRMS
Analysis date 29-OCT-01
Abundance
218 2035 1 637e+5
60
70
80
90
100 min

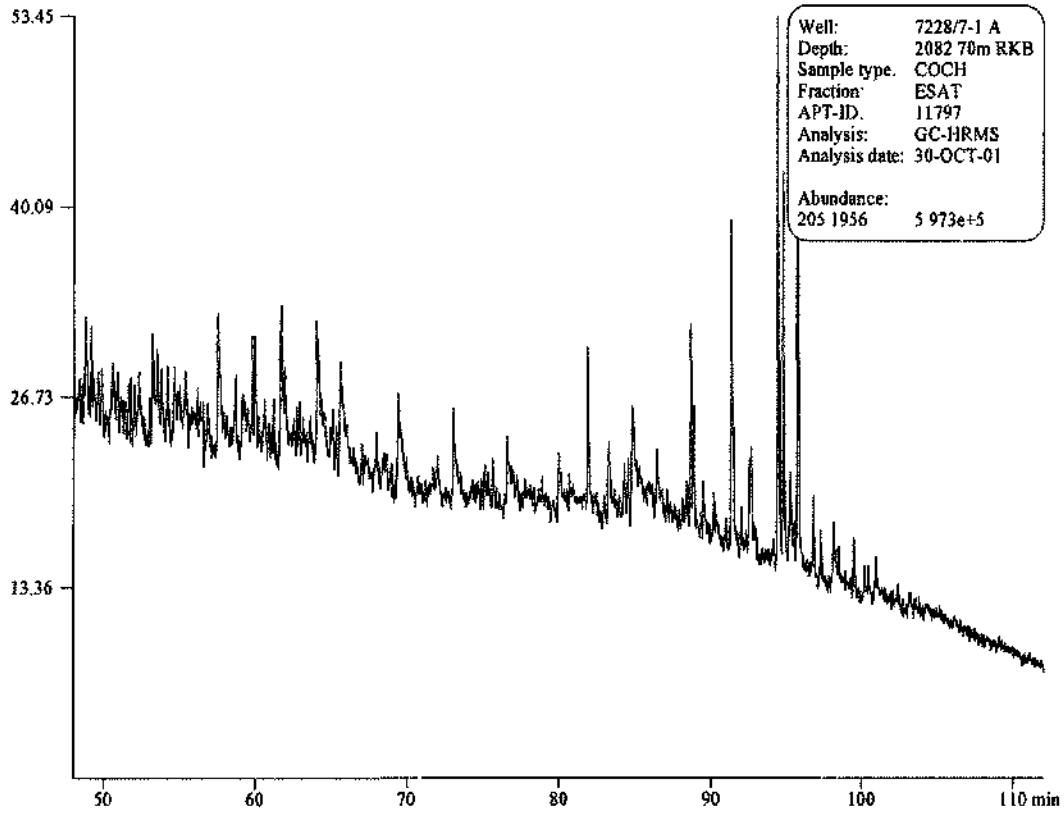

68 01
51 01
34 01
17 00
Well 7228/7-1 A
Depth 2071 45m RKB
Sample type COCH
Fraction ESAT
APT-ID 11795
Analysis GC-HRMS
Analysis date 29-OCT-01
Abundance
231 2113 1 188e+5
60
70
80
90
100 min

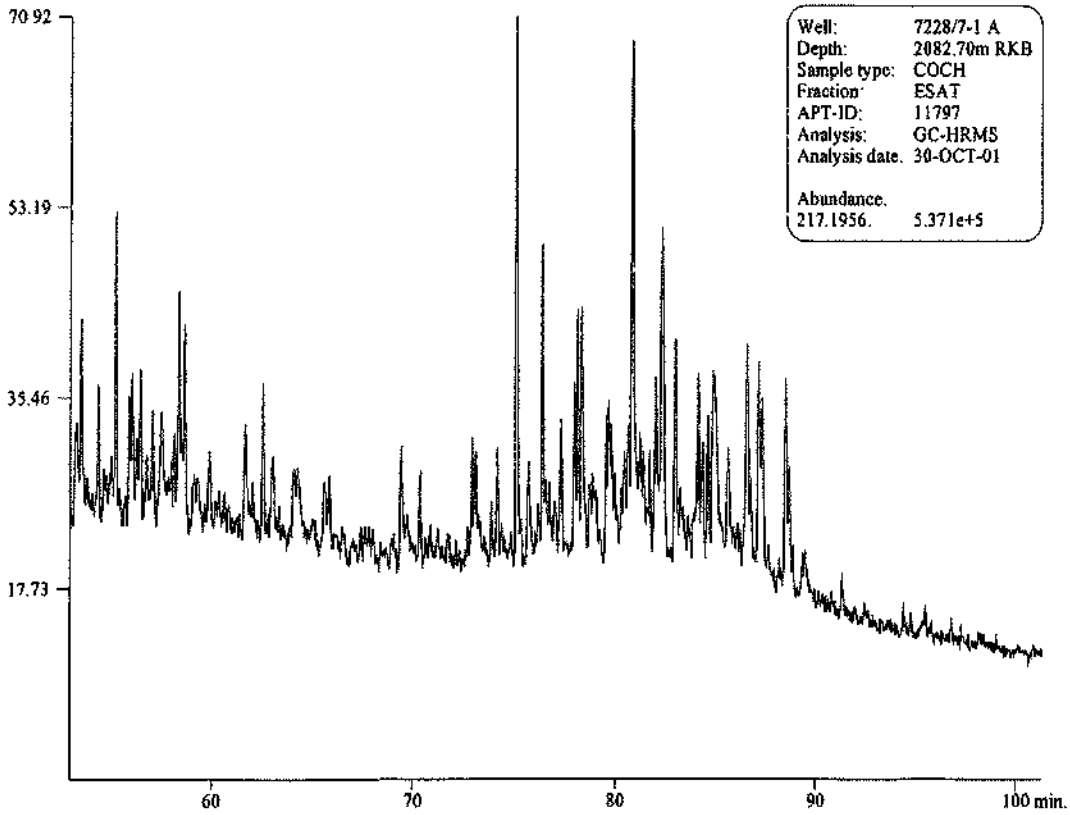

100 00
75 00
50 00
25 00
60
70
80
90
100 min
Well 7228/7-1 A
Depth 2071 45m RKB
Sample type COCH
Fraction ESAT
APT-ID 11795
Analysis GC-HRMS
Analysis date 29-OCT-01
Abundance
253 1956,253 2895 3 768e+6

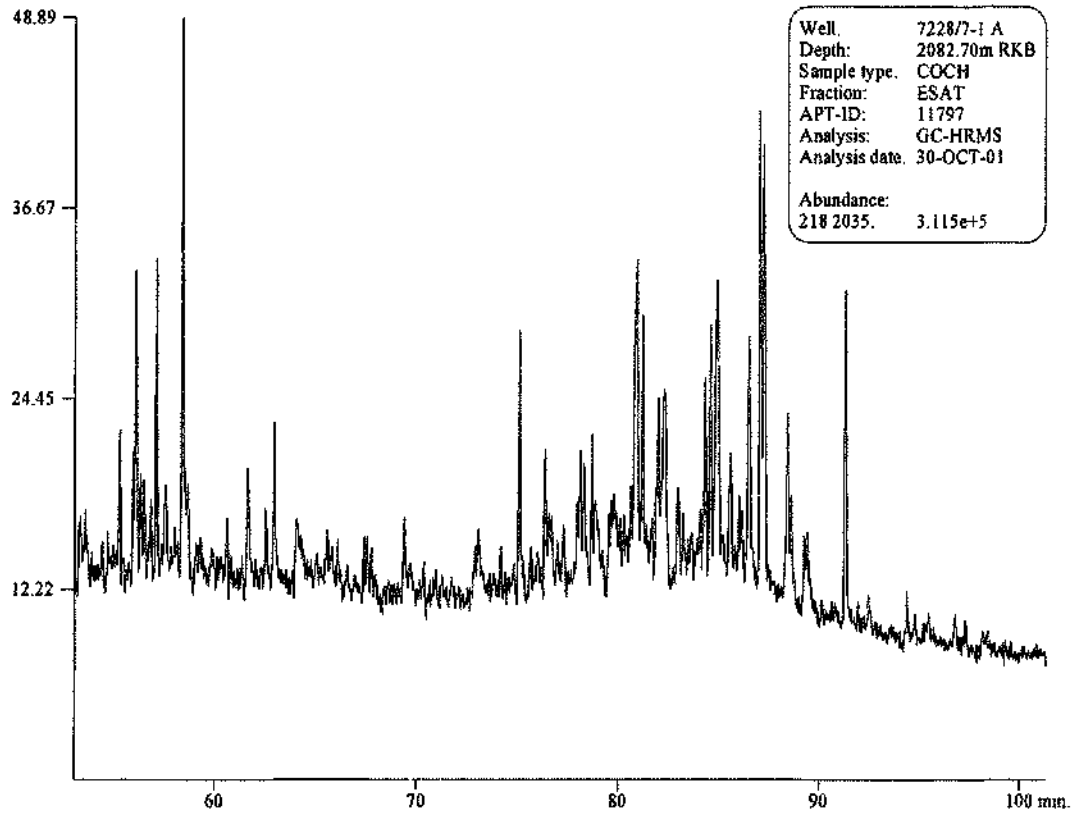

100 00
75 00
50 00
25 00
60
70
80
90
100 min
Well 7228/7-1 A
Depth 2071 45m RKB
Sample type COCH
Fraction ESAT
APT-ID 11795
Analysis GC-HRMS
Analysis date 29-OCT-01
Abundance
259 2426 1 964e+5

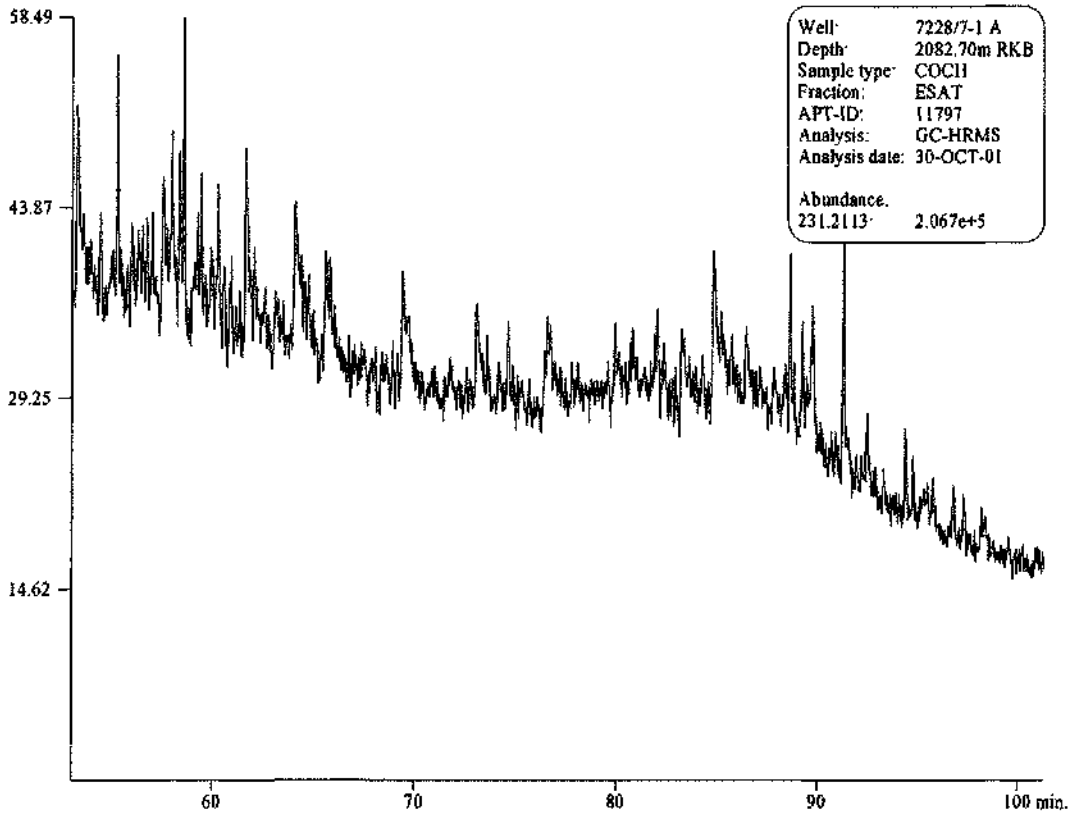

41.56
31.17
20.78
10.39
50
60
70
80
90
100
110 min.
Well: 7228/7-1 A
Depth. 2082.70m RKB
Sample type. COCH
Fraction: ESAT
APT-ID: 11797
Analysis. GC-HRMS
Analysis date: 30-OCT-01
Abundance
177 1643. 1.345e+6

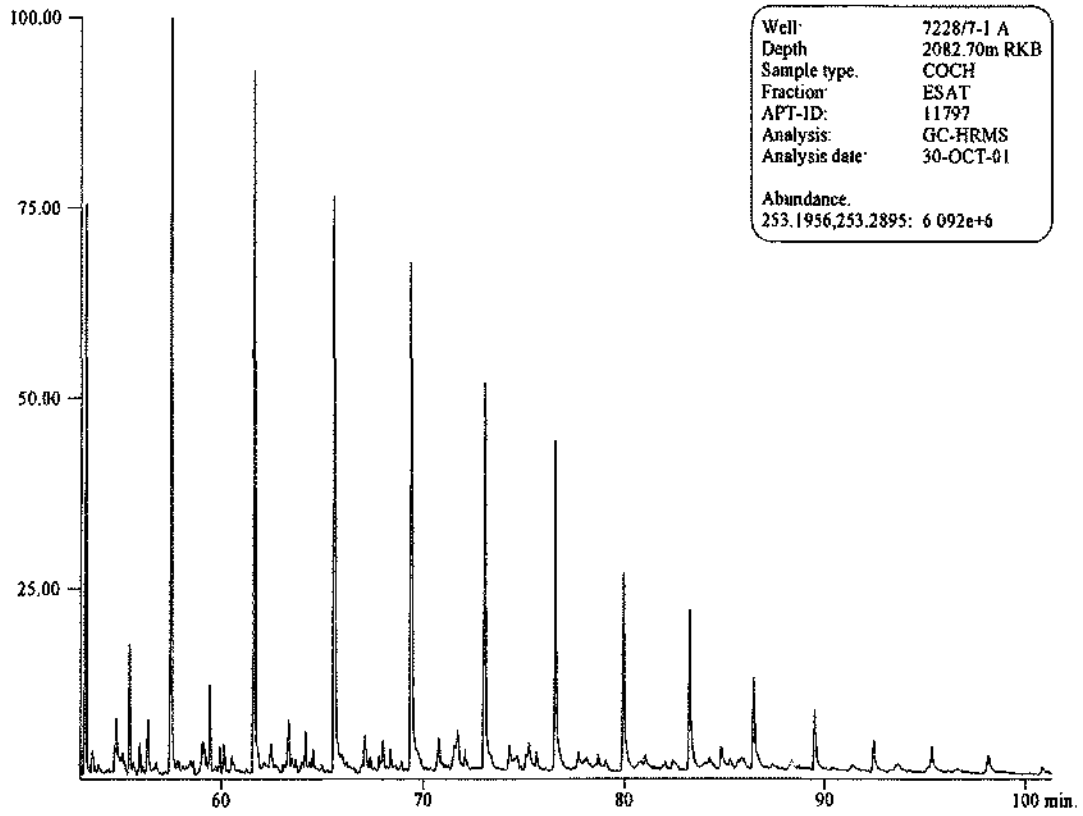

100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min.
Well 7228/7-1 A
Depth. 2082.70m RKB
Sample type: COCH
Fraction ESAT
APT-ID 11797
Analysis: GC-HRMS
Analysis date: 30-OCT-01
Abundance
191 1800 3.500e+6

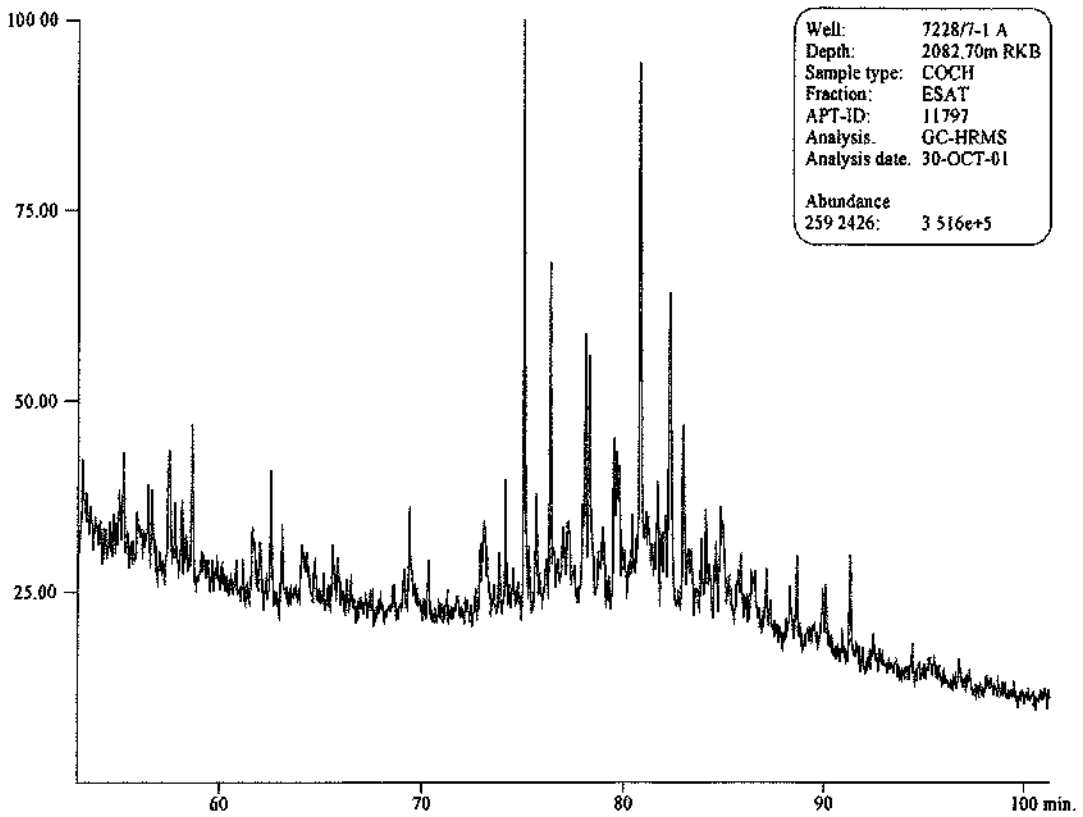

53.45
40.09
26.73
13.36
50
60
70
80
90
100
110 min
Well: 7228/7-1 A
Depth: 2082 70m RKB
Sample type. COCH
Fraction: ESAT
APT-ID. 11797
Analysis: GC-HRMS
Analysis date: 30-OCT-01
Abundance:
205 1956 5 973e+5

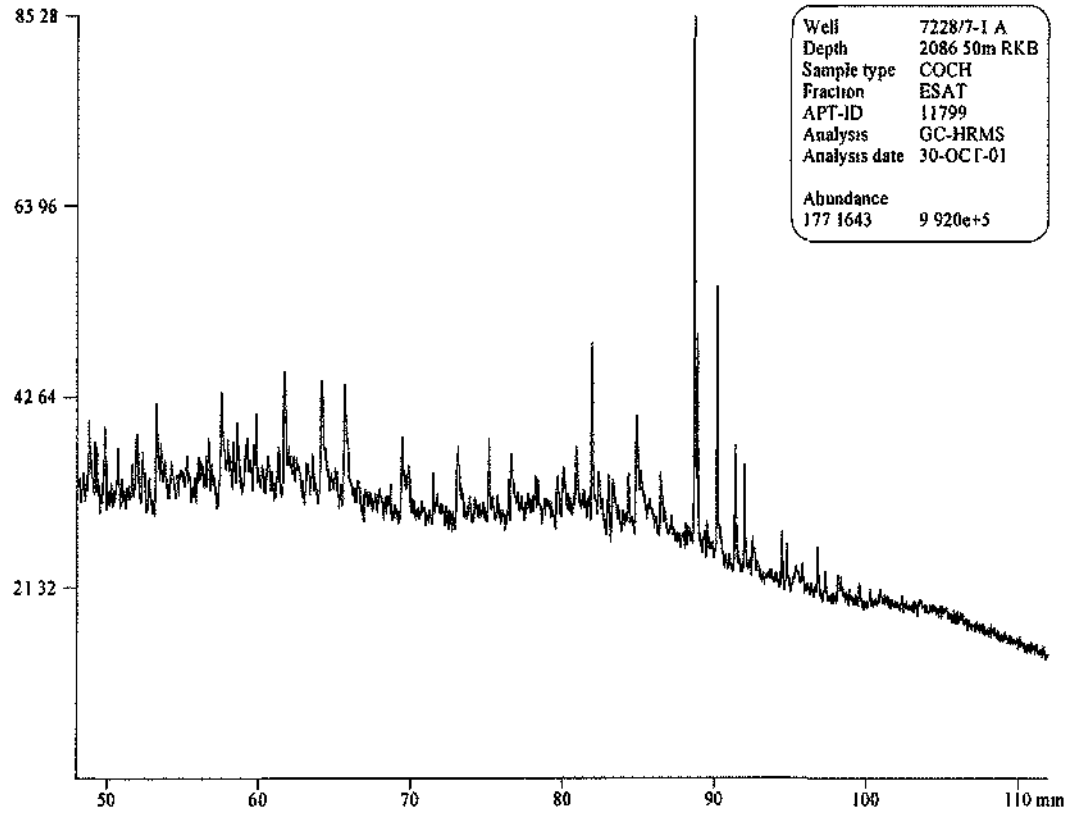

70 92
53.19
35.46
17.73
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth: 2082.70m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11797
Analysis: GC-HRMS
Analysis date. 30-OCT-01
Abundance.
217.1956. 5.371e+5

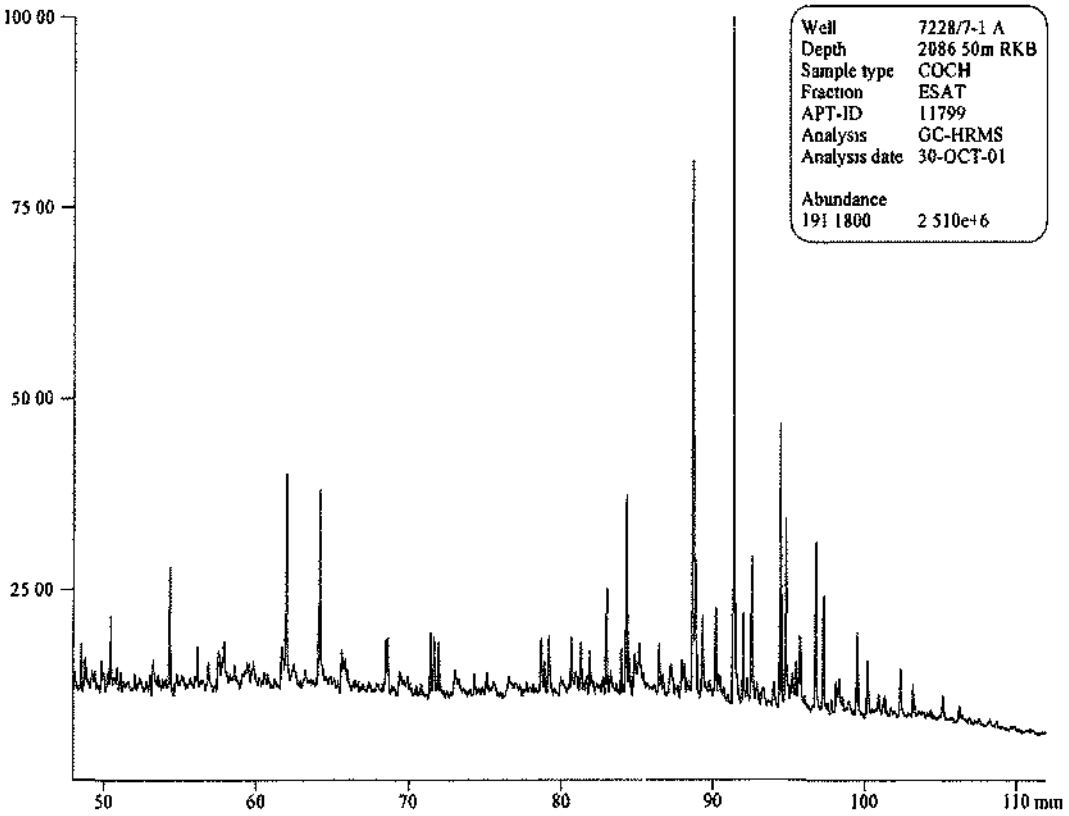

48.89
36.67
24.45
12.22
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth: 2082.70m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11797
Analysis: GC-HRMS
Analysis date: 30-OCT-01
Abundance:
218 2035. 3.115e+5

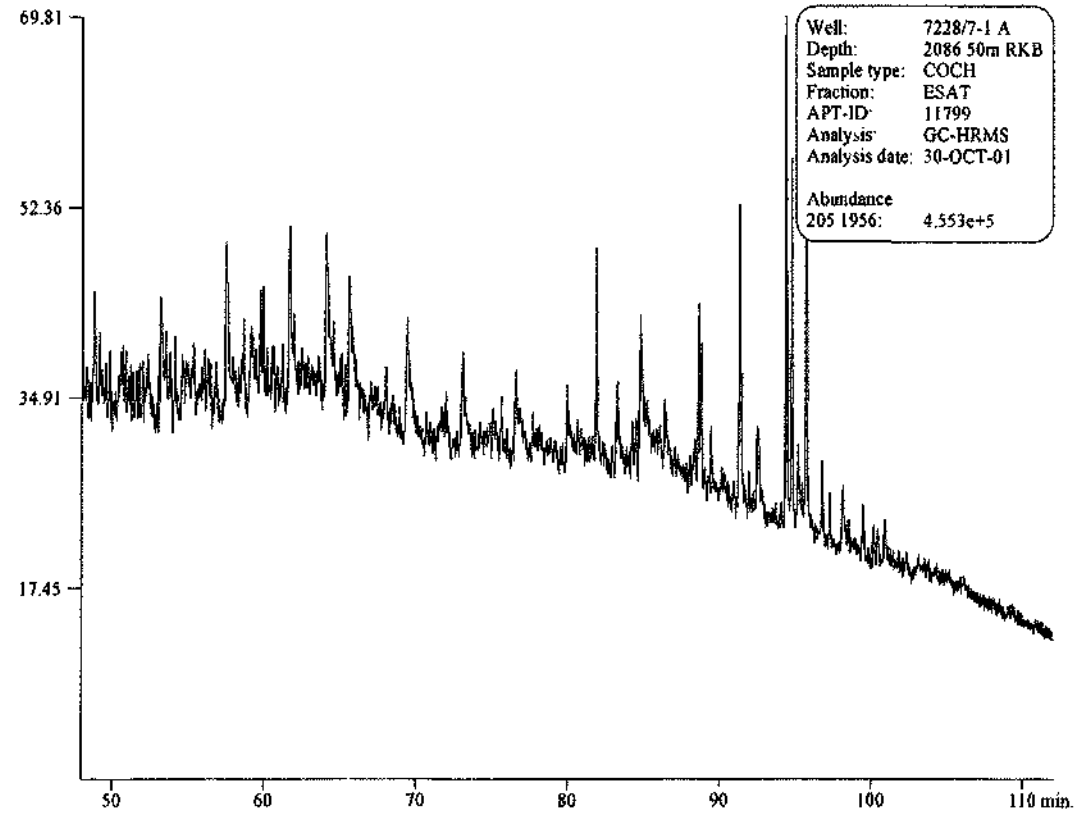

58.49
43.87
29.25
14.62
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth: 2082.70m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11797
Analysis: GC-HRMS
Analysis date: 30-OCT-01
Abundance.
231.2113 2.067e+5

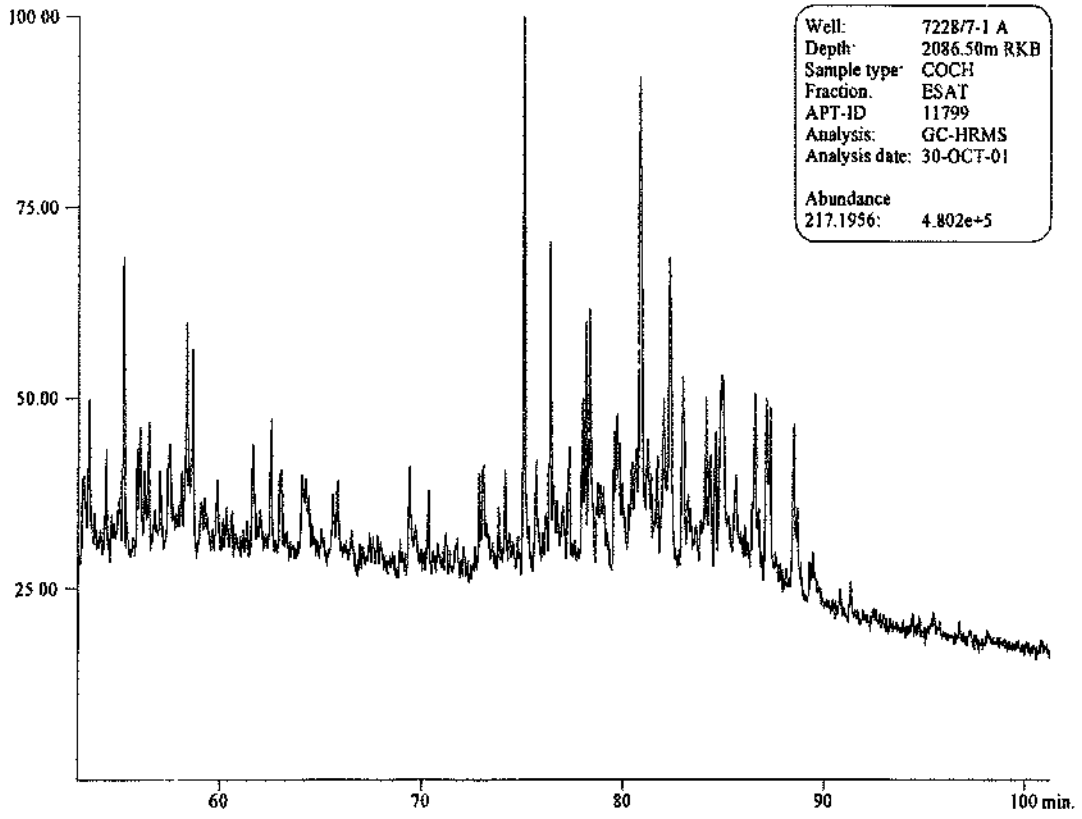

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth 2082.70m RKB
Sample type. COCH
Fraction ESAT
APT-ID: 11797
Analysis: GC-HRMS
Analysis date 30-OCT-01
Abundance.
253.1956,253.2895: 6 092e+6

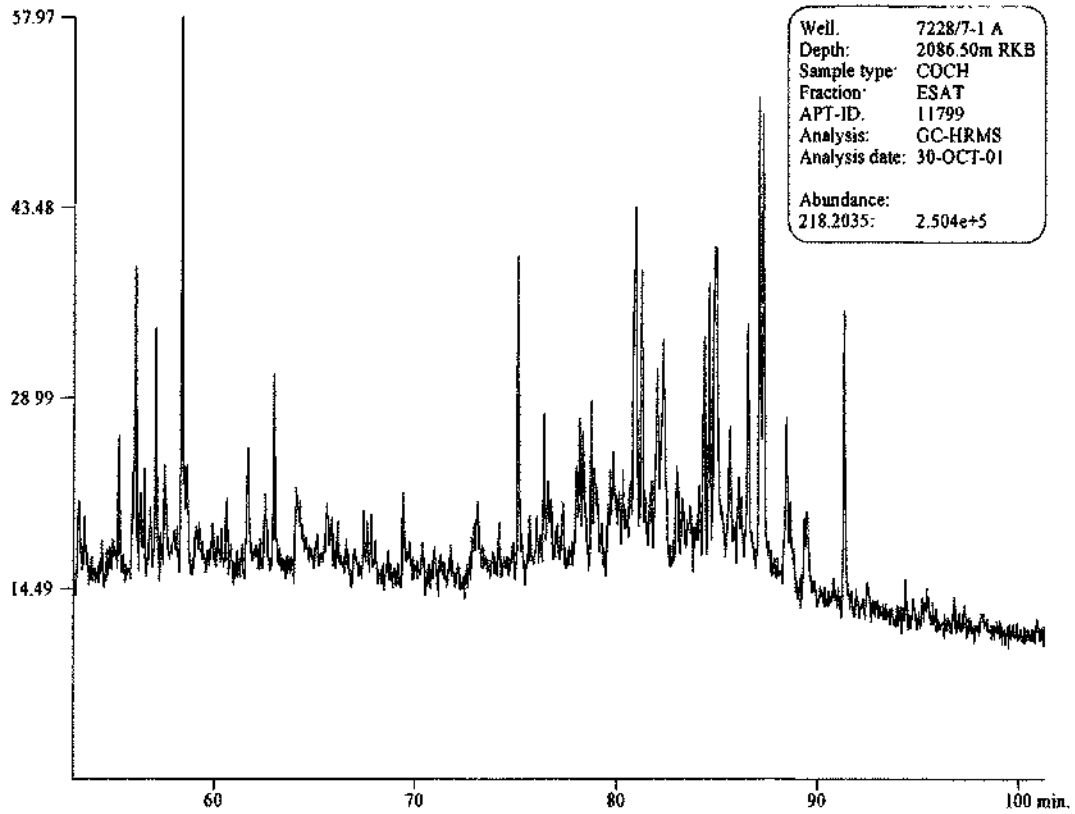

100 00
75.00
50.00
25.00
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth: 2082.70m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11797
Analysis. GC-HRMS
Analysis date. 30-OCT-01
Abundance
259 2426: 3 516e+5

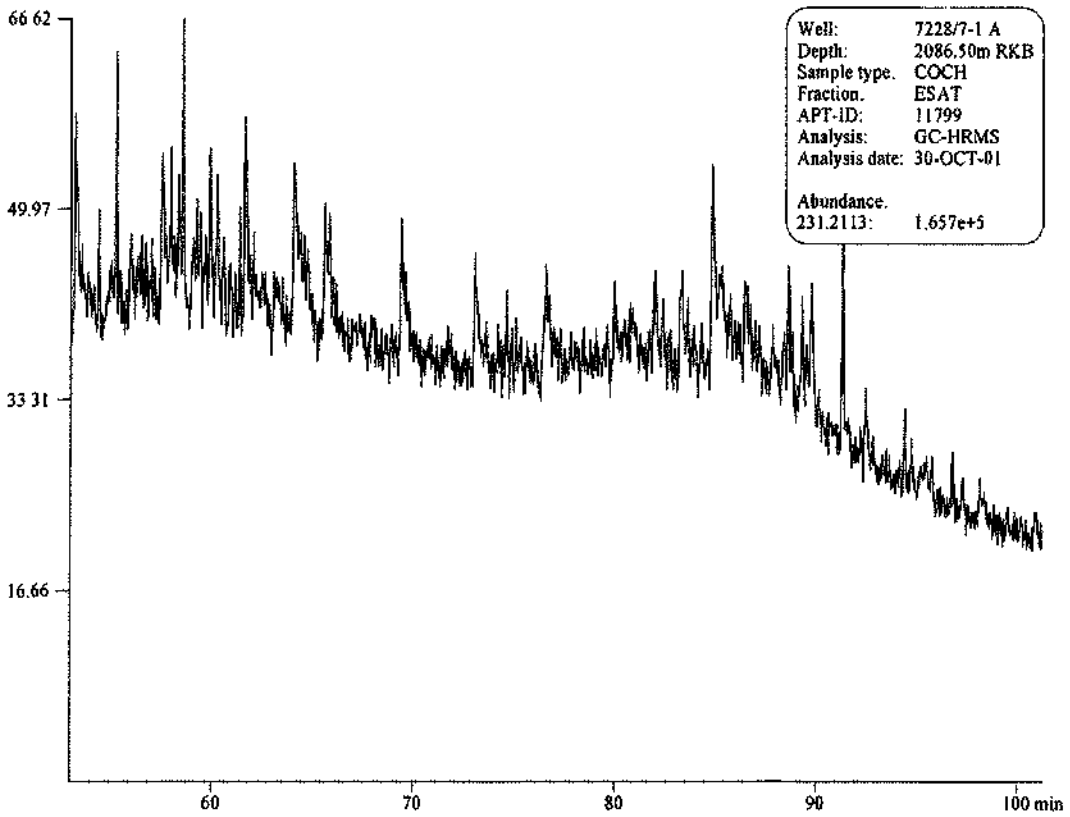

85 28
63 96
42 64
21 32
Well 7228/7-1 A
Depth 2086 50m RKB
Sample type COCH
Fraction ESAT
APT-ID 11799
Analysis GC-HRMS
Analysis date 30-OCT-01
Abundance
177 1643 9 920e+5
50
60
70
80
90
100
110 min

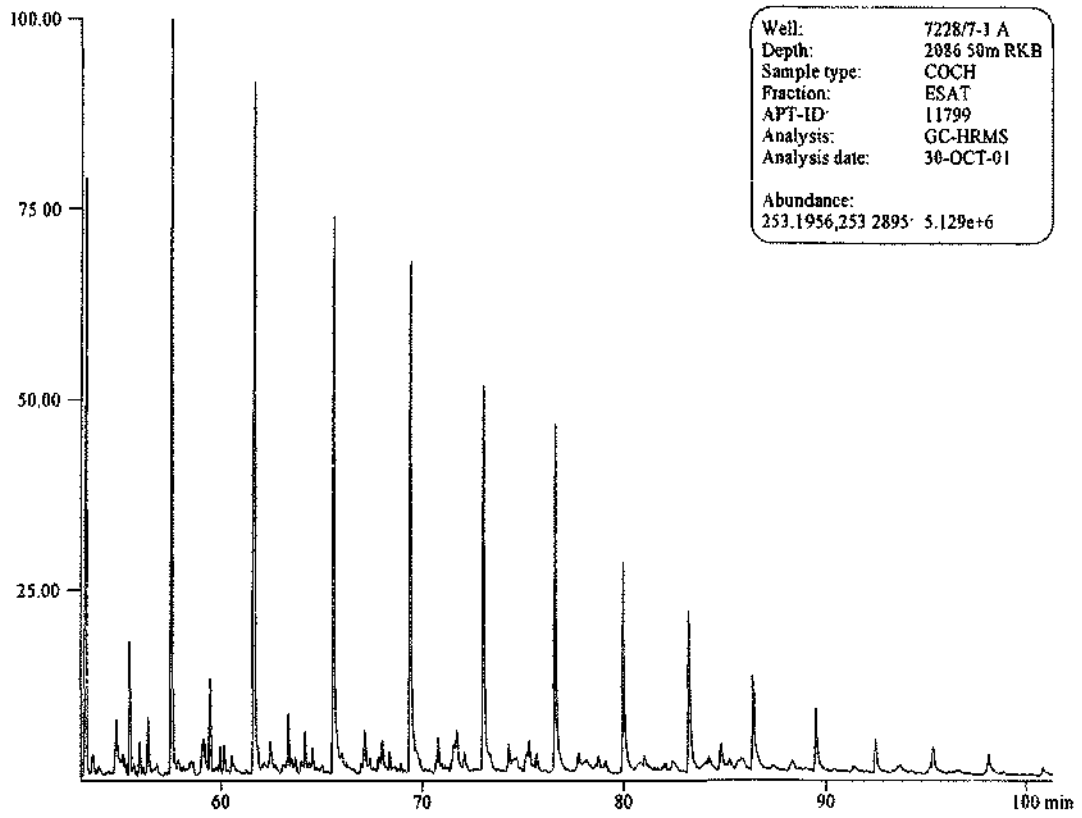

100 00
75 00
50 00
25 00
Well 7228/7-1 A
Depth 2086 50m RKB
Sample type COCH
Fraction ESAT
APT-ID 11799
Analysis GC-HRMS
Analysis date 30-OCT-01
Abundance
191 1800 2 510e+6
50
60
70
80
90
100
110 min

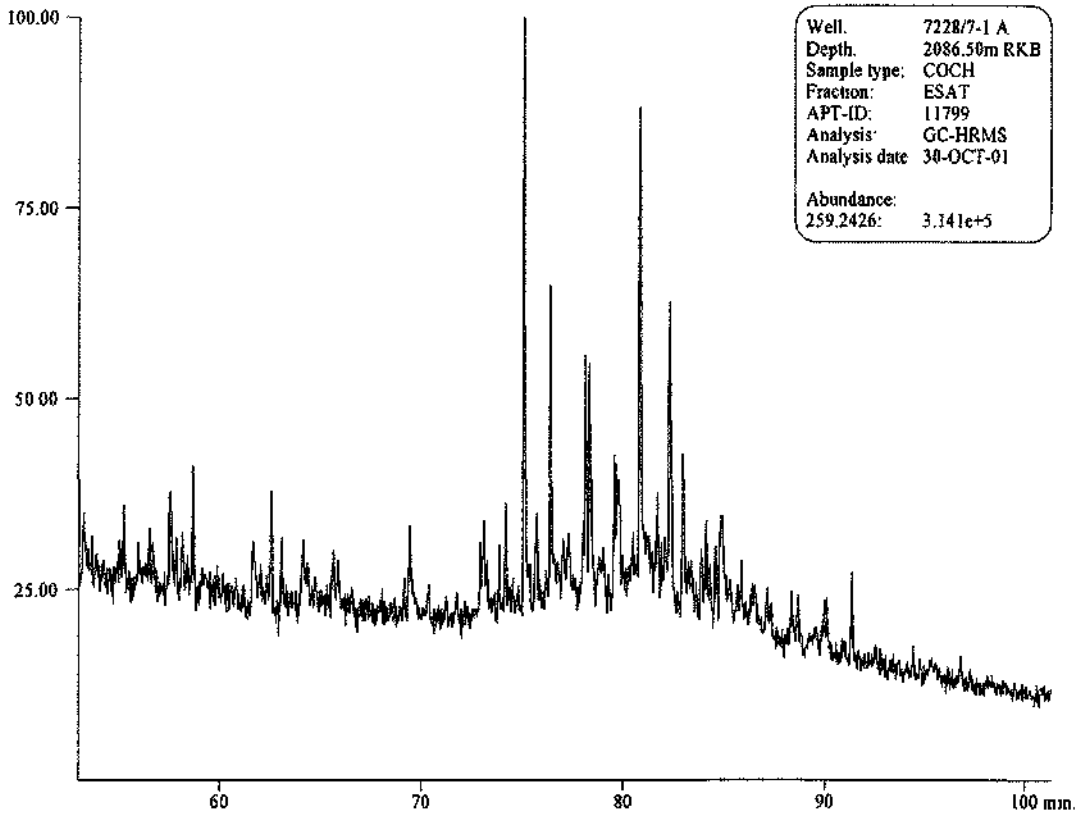

69.81
52.36
34.91
17.45
50
60
70
80
90
100
110 min.
Well: 7228/7-1 A
Depth: 2086.50m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11799
Analysis: GC-HRMS
Analysis date: 30-OCT-01
Abundance
205.1956: 4.553e+5

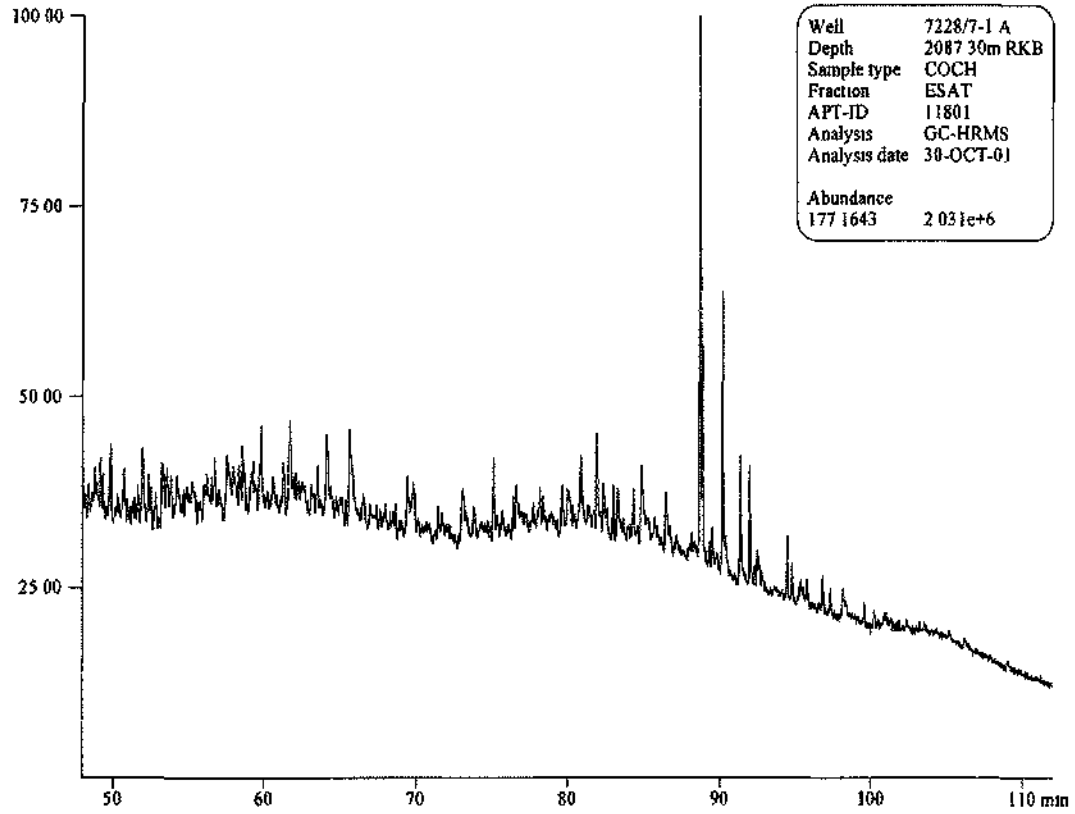

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth: 2086.50m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11799
Analysis: GC-HRMS
Analysis date: 30-OCT-01
Abundance
217.1956: 4.802e+5

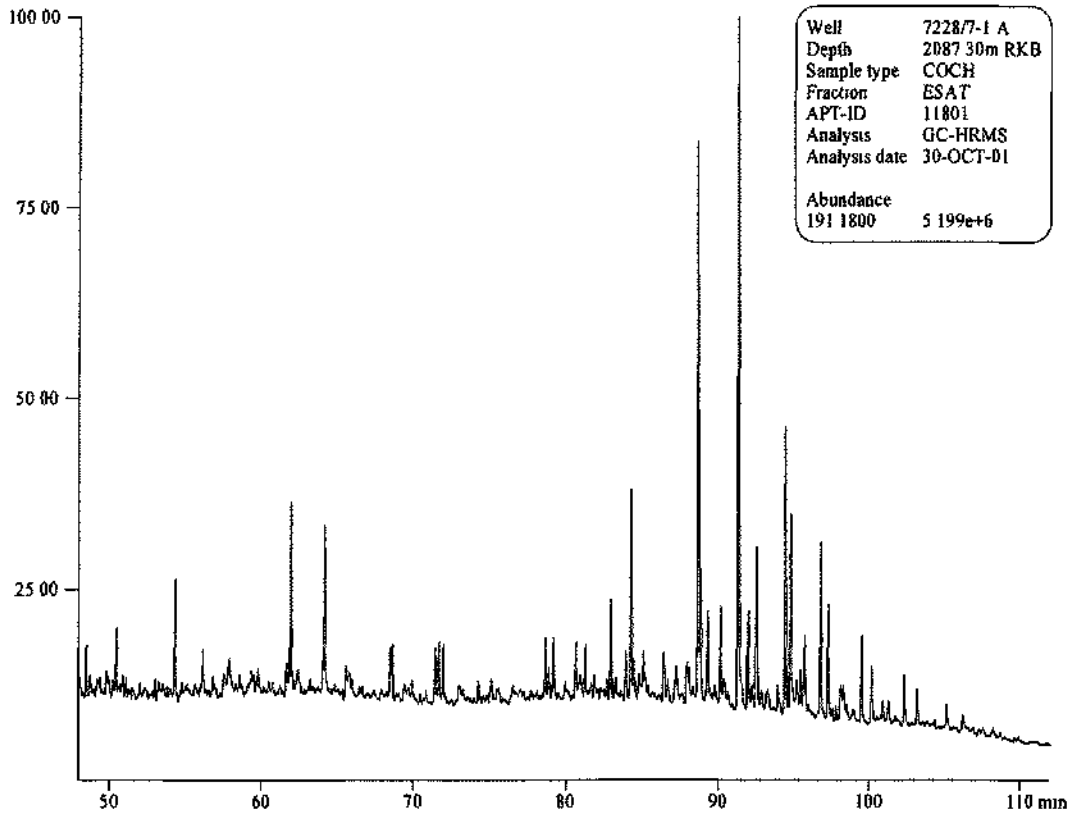

57.97
43.48
28.99
14.49
60
70
80
90
100 min.
Well. 7228/7-1 A
Depth: 2086.50m RKB
Sample type: COCH
Fraction: ESAT
APT-ID. 11799
Analysis: GC-HRMS
Analysis date: 30-OCT-01
Abundance:
218.2035: 2.504e+5

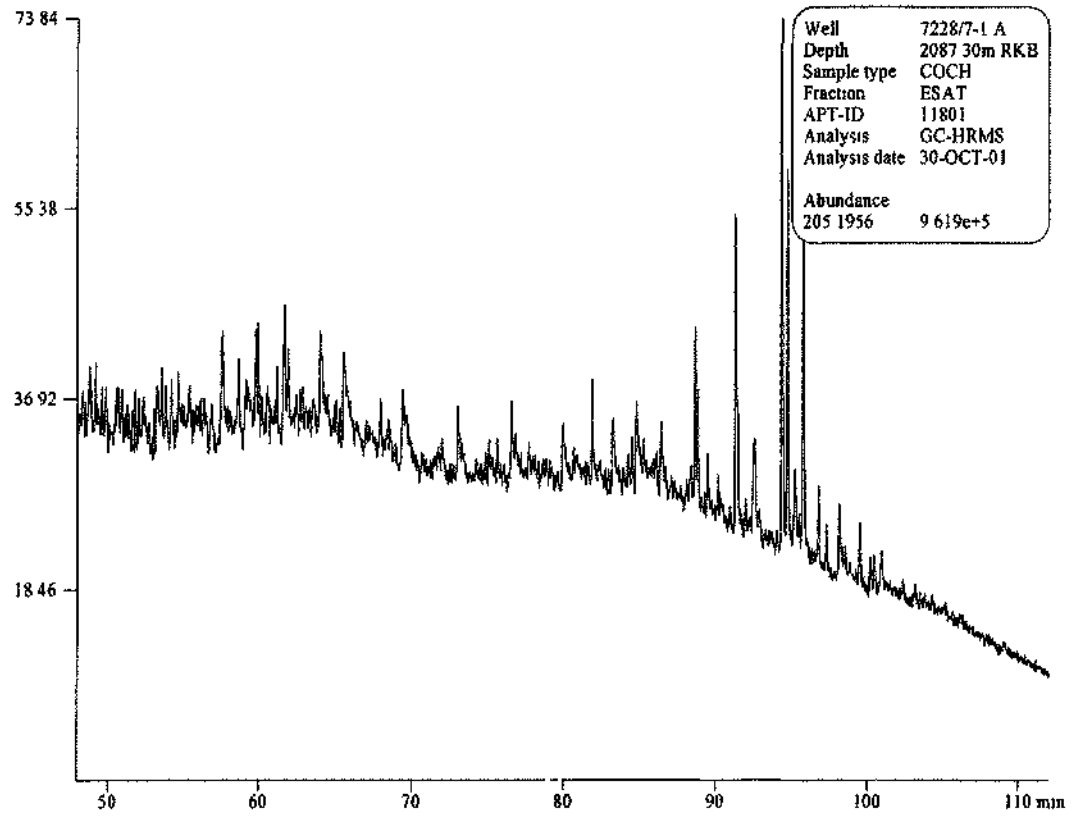

66.62
49.97
33.31
16.66
60
70
80
90
100 min
Well: 7228/7-1 A
Depth: 2086.50m RKB
Sample type. COCH
Fraction. ESAT
APT-ID: 11799
Analysis: GC-HRMS
Analysis date: 30-OCT-01
Abundance.
231.2113: 1.657e+5

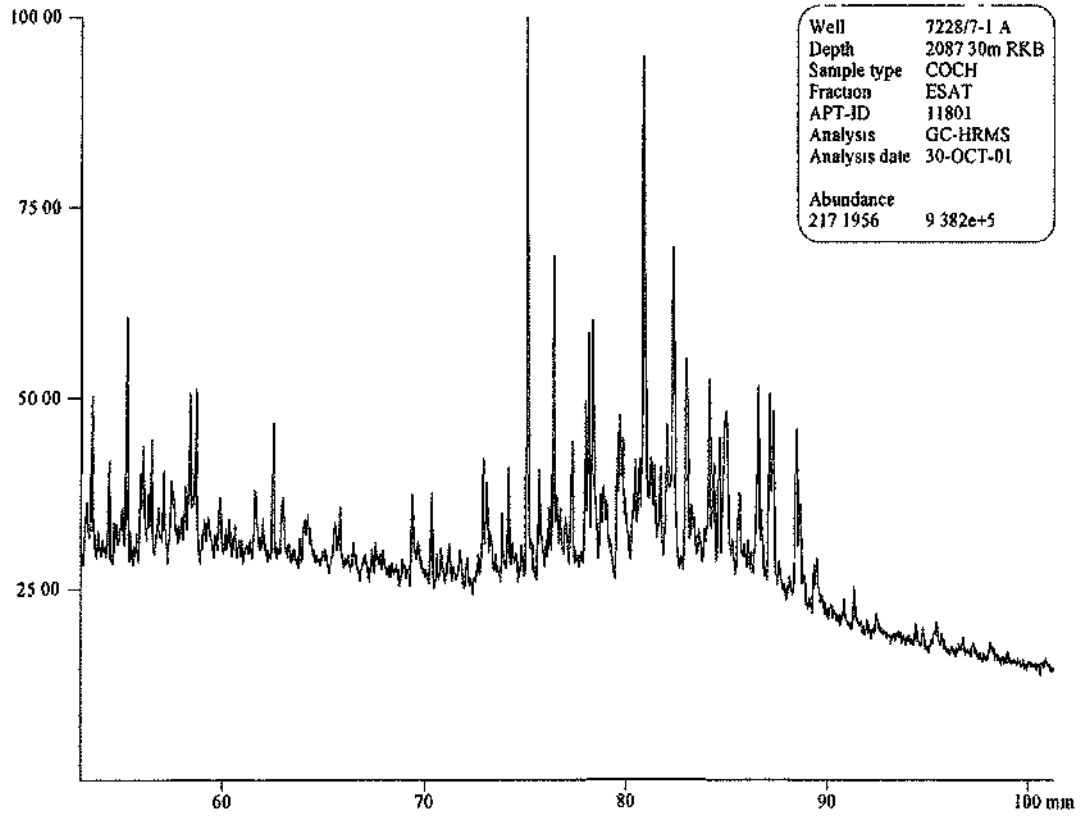

100.00
75.00
50.00
25.00
60
70
80
90
100 min
Well: 7228/7-1 A
Depth: 2086.50m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11799
Analysis: GC-HRMS
Analysis date: 30-OCT-01
Abundance:
253.1956,253.2895: 5.129e+6

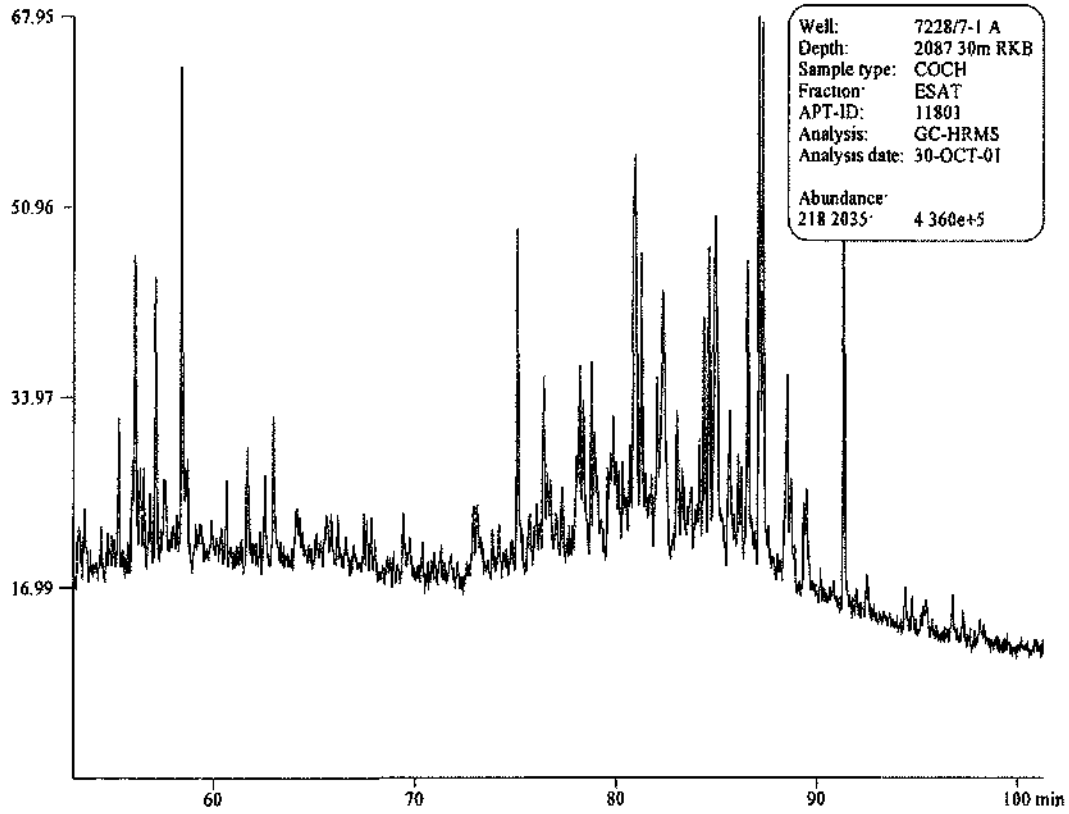

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth: 2086.50m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11799
Analysis: GC-HRMS
Analysis date: 30-OCT-01
Abundance:
259.2426: 3.141e+5

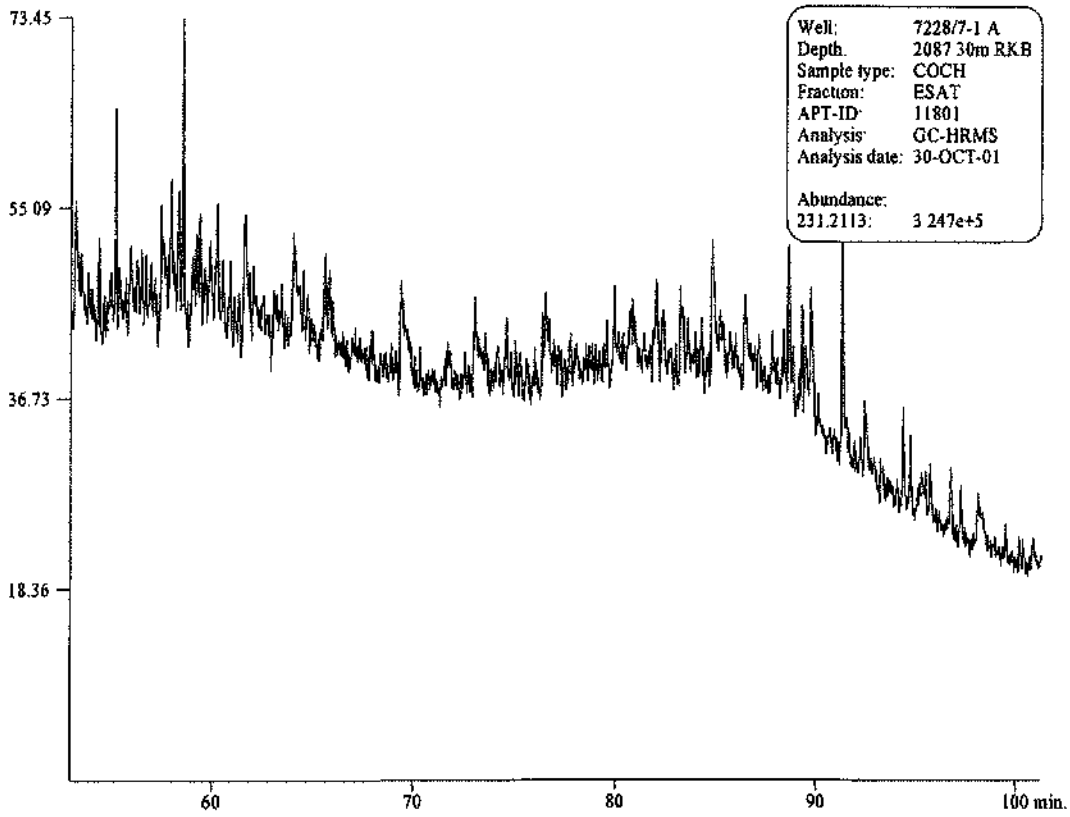

Well 7228/7-1 A
Depth 2087 30m RKB
Sample type COCH
Fraction ESAT
APT-ID 11801
Analysis GC-HRMS
Analysis date 30-OCT-01
Abundance
177 1643 2 03 1e+6
100 00
75 00
50 00
25 00
50
60
70
80
90
100
110 min

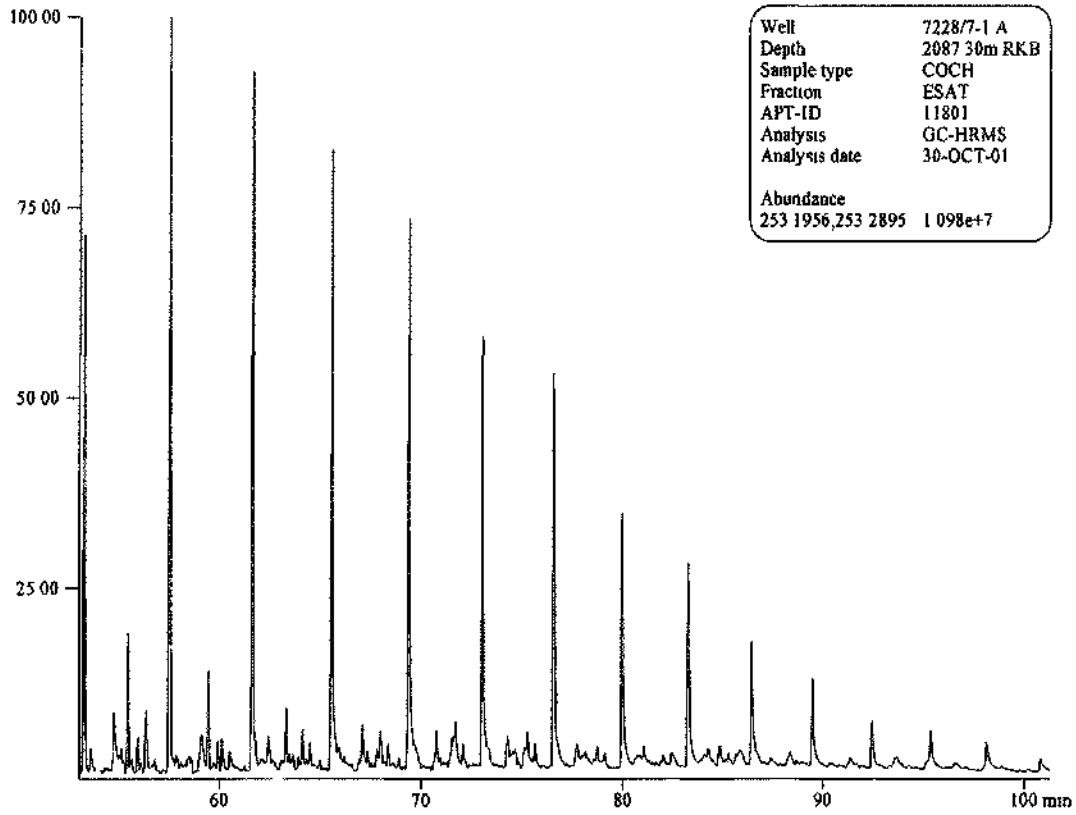

Well 7228/7-1 A
Depth 2087 30m RKB
Sample type COCH
Fraction ESAT
APT-ID 11801
Analysis GC-HRMS
Analysis date 30-OCT-01
Abundance
191 1800 5 199e+6
100 00
75 00
50 00
25 00
50
60
70
80
90
100
110 min

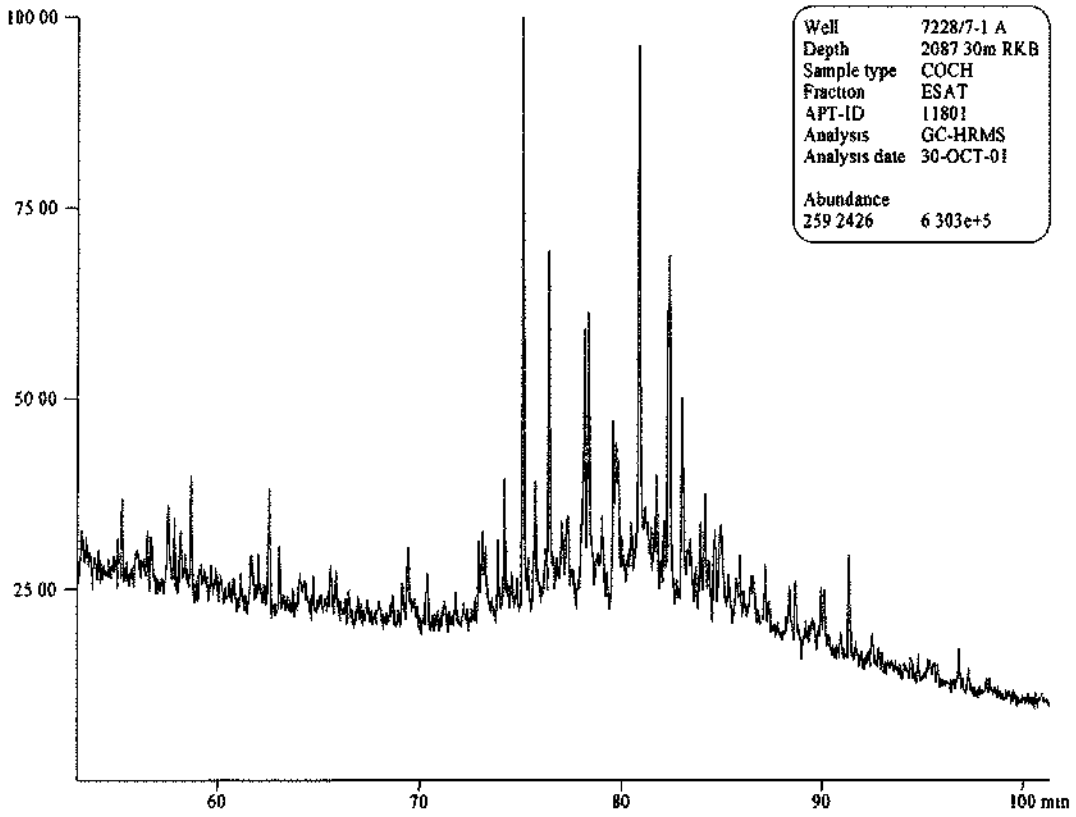

73 84
55 38
36 92
18 46
50
60
70
80
90
100
110 min
Well 7228/7-1 A
Depth 2087 30m RKB
Sample type COCH
Fraction ESAT
APT-ID 11801
Analysis GC-HRMS
Analysis date 30-OCT-01
Abundance
205 1956 9 619e+5

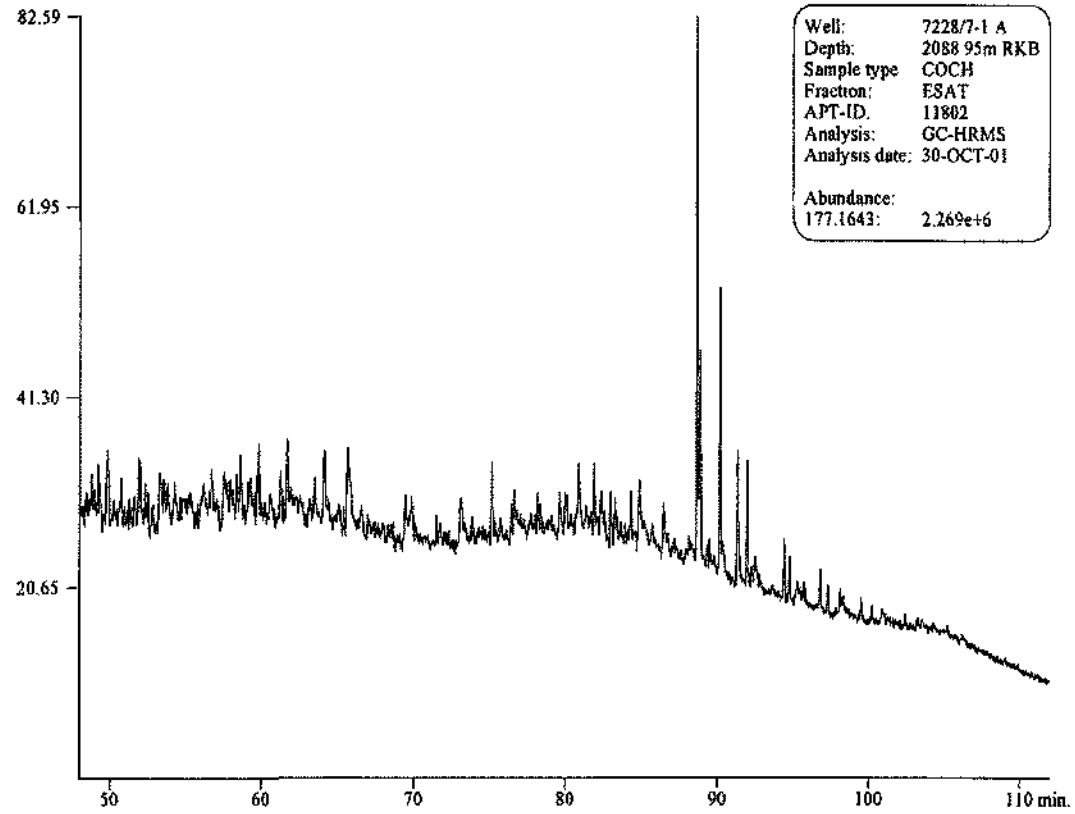

100 00
75 00
50 00
25 00
60
70
80
90
100 min
Well 7228/7-1 A
Depth 2087 30m RKB
Sample type COCH
Fraction ESAT
APT-ID 11801
Analysis GC-HRMS
Analysis date 30-OCT-01
Abundance
217 1956 9 382e+5

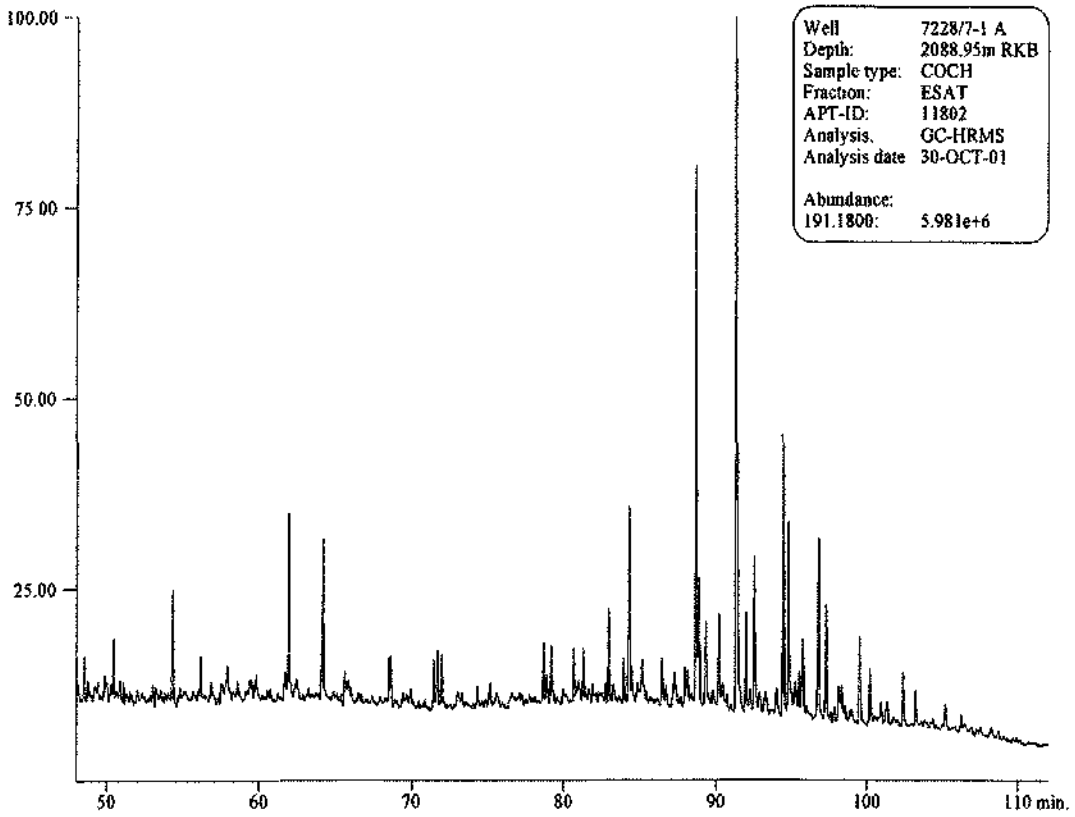

67.95
50.96
33.97
16.99
60
70
80
90
100 min
Well: 7228/7-1 A
Depth: 2087 30m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11801
Analysis: GC-HRMS
Analysis date: 30-OCT-01
Abundance:
218 2035: 4 360e+5

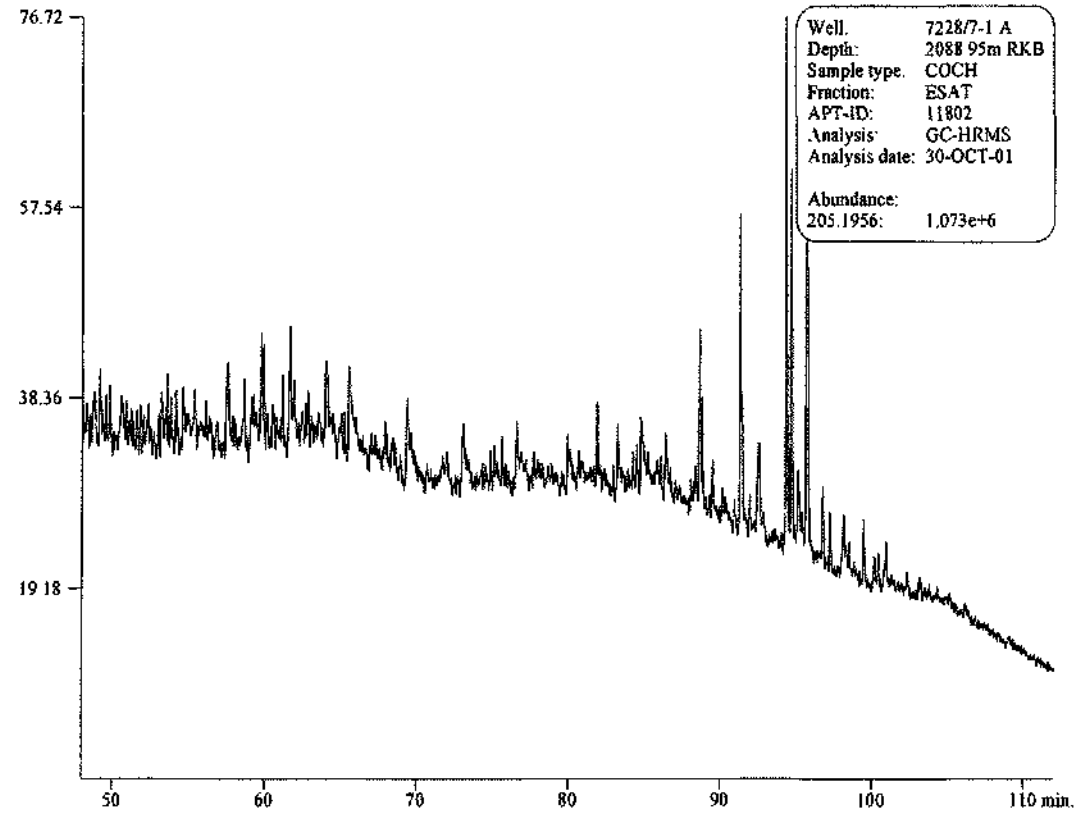

73.45
55 09
36.73
18.36
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth: 2087 30m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11801
Analysis: GC-HRMS
Analysis date: 30-OCT-01
Abundance:
231.2113: 3 247e+5

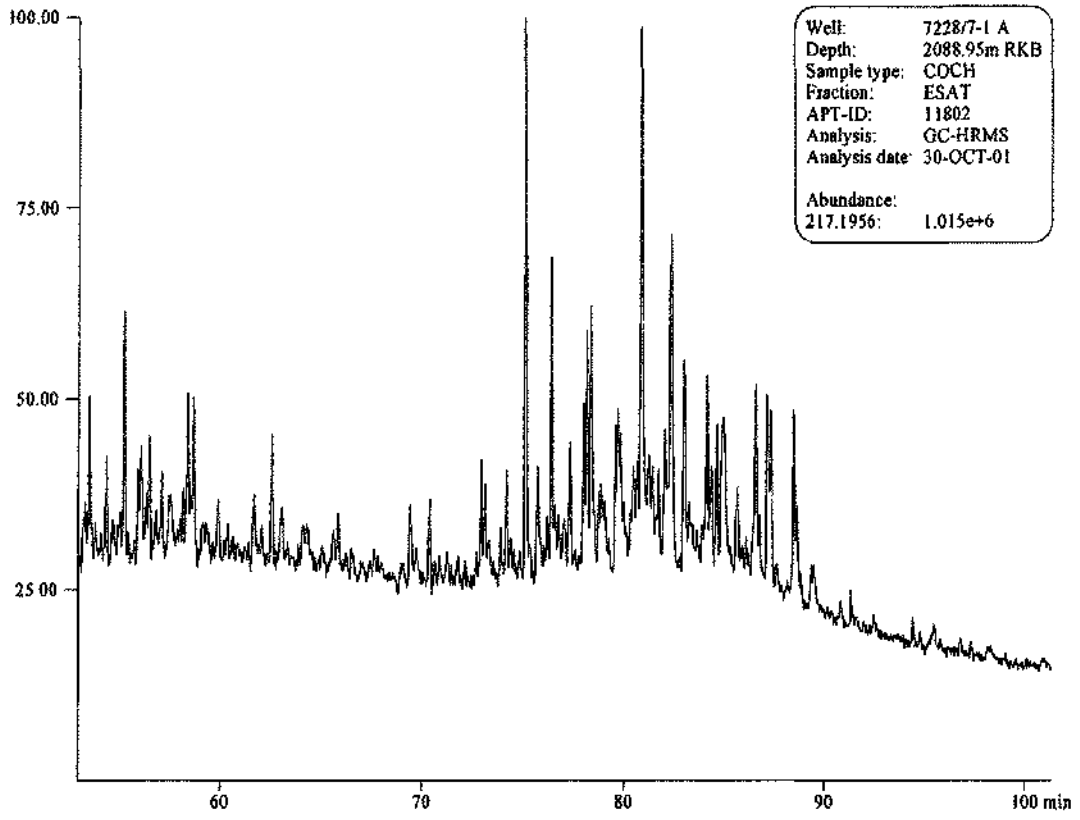

100 00
75 00
50 00
25 00
60
70
80
90
100 min
Well 7228/7-1 A
Depth 2087 30m RKB
Sample type COCH
Fraction ESAT
APT-ID 11801
Analysis GC-HRMS
Analysis date 30-OCT-01
Abundance
253 1956,253 2895 1 098e+7

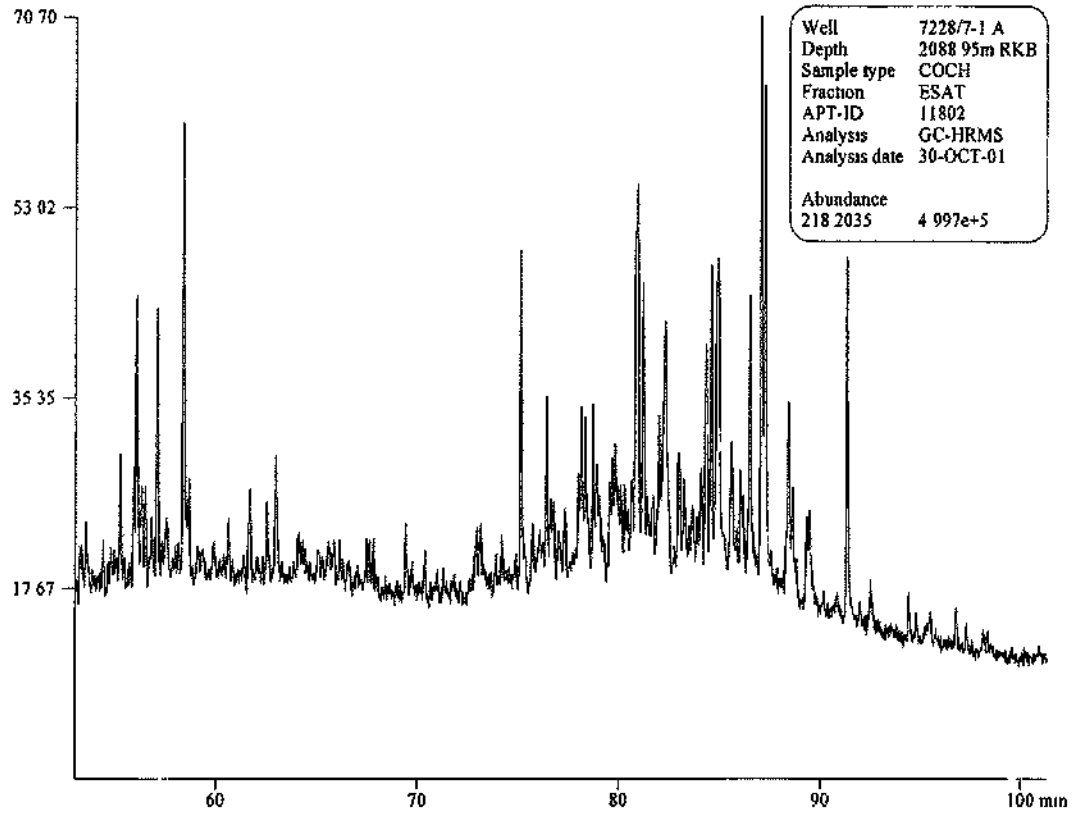

100 00
75 00
50 00
25 00
60
70
80
90
100 min
Well 7228/7-1 A
Depth 2087 30m RKB
Sample type COCH
Fraction ESAT
APT-ID 11801
Analysis GC-HRMS
Analysis date 30-OCT-01
Abundance
259 2426 6 303e+5

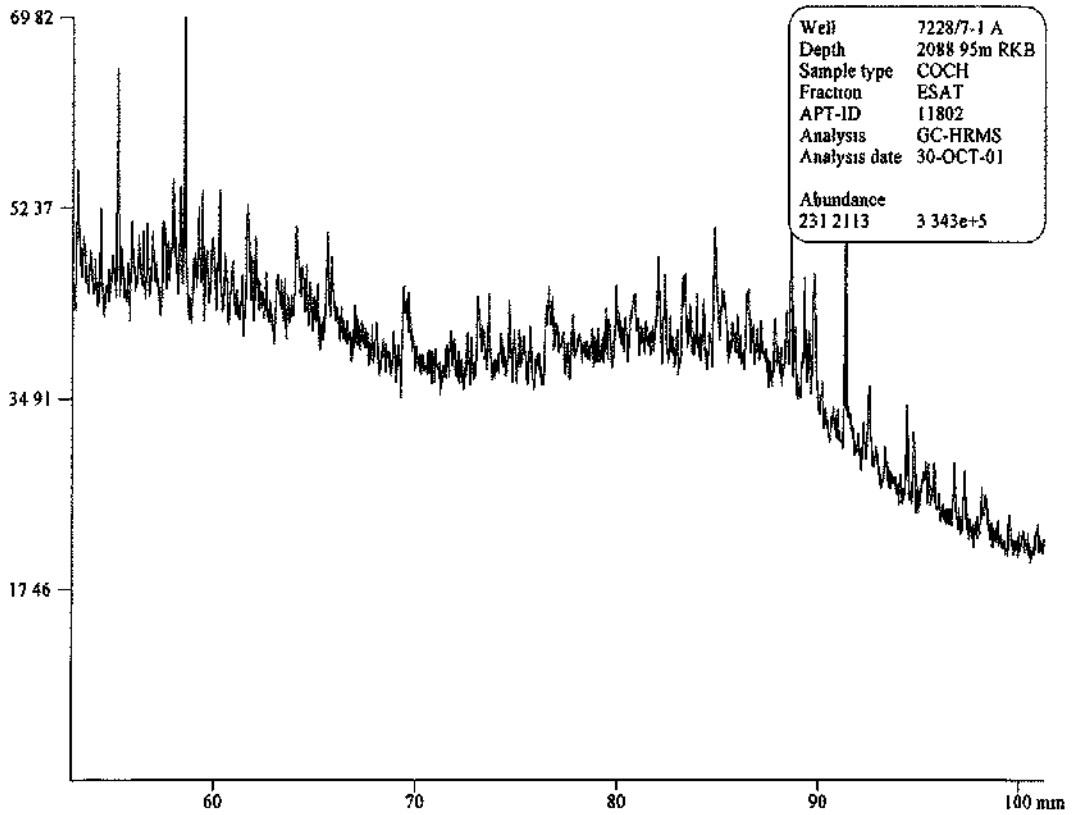

82.59
61.95
41.30
20.65
50
60
70
80
90
100
110 min.
Well: 7228/7-1 A
Depth: 2088 95m RKB
Sample type COCH
Fraction: ESAT
APT-ID. 11802
Analysis: GC-HRMS
Analysis date: 30-OCT-01
Abundance:
177.1643: 2.269e+6

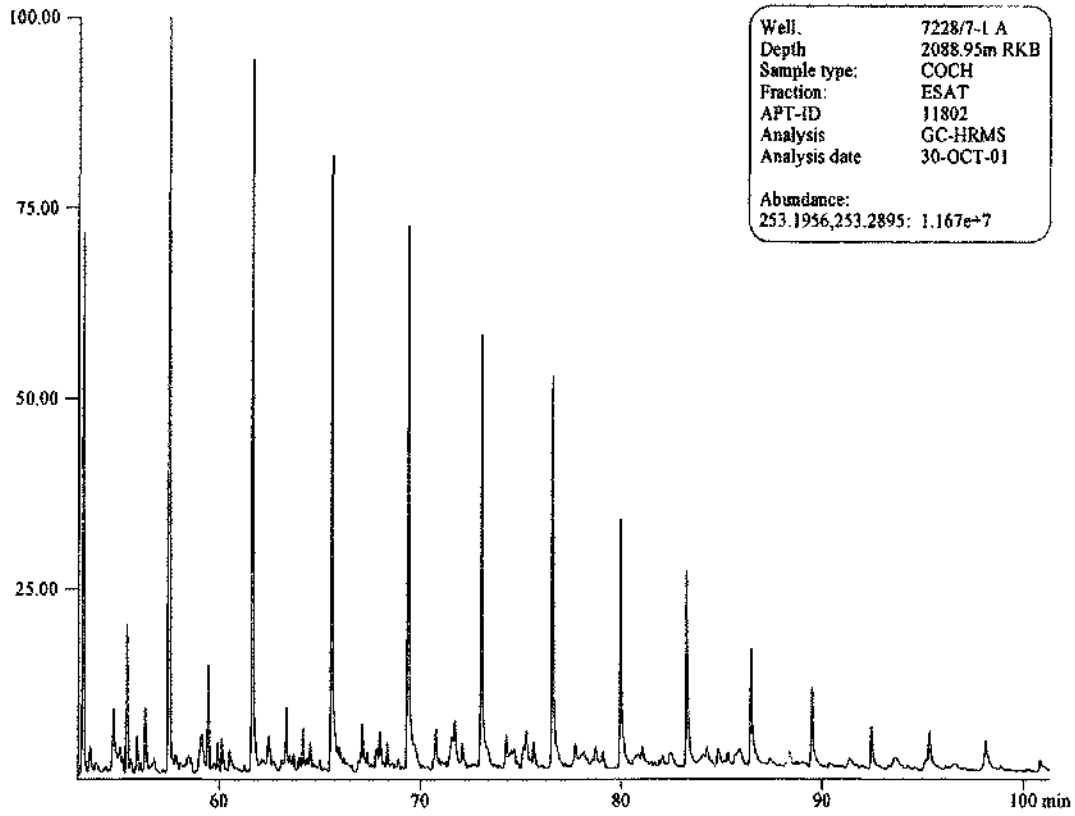

100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min.
Well 7228/7-1 A
Depth: 2088.95m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11802
Analysis. GC-HRMS
Analysis date 30-OCT-01
Abundance:
191.1800: 5.981e+6

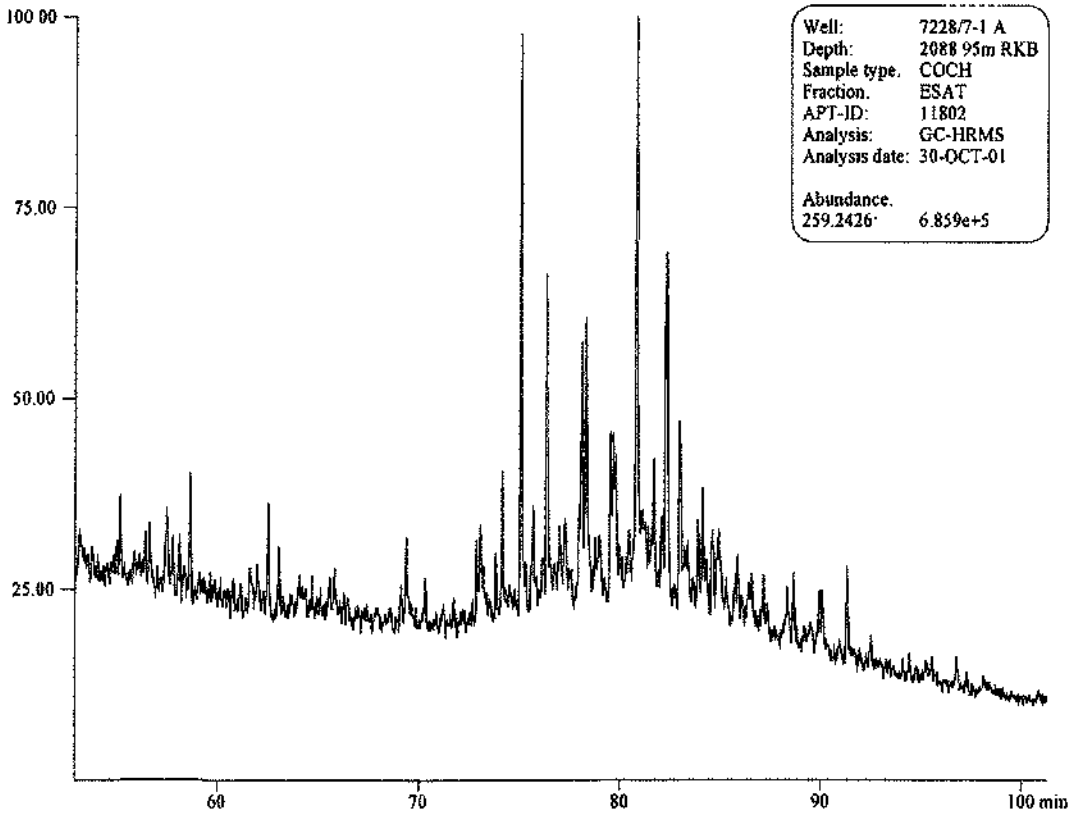

76.72
57.54
38.36
19.18
50
60
70
80
90
100
110 min.
Well: 7228/7-1 A
Depth: 2088.95m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11802
Analysis: GC-HRMS
Analysis date: 30-OCT-01
Abundance:
205.1956: 1.073e+6

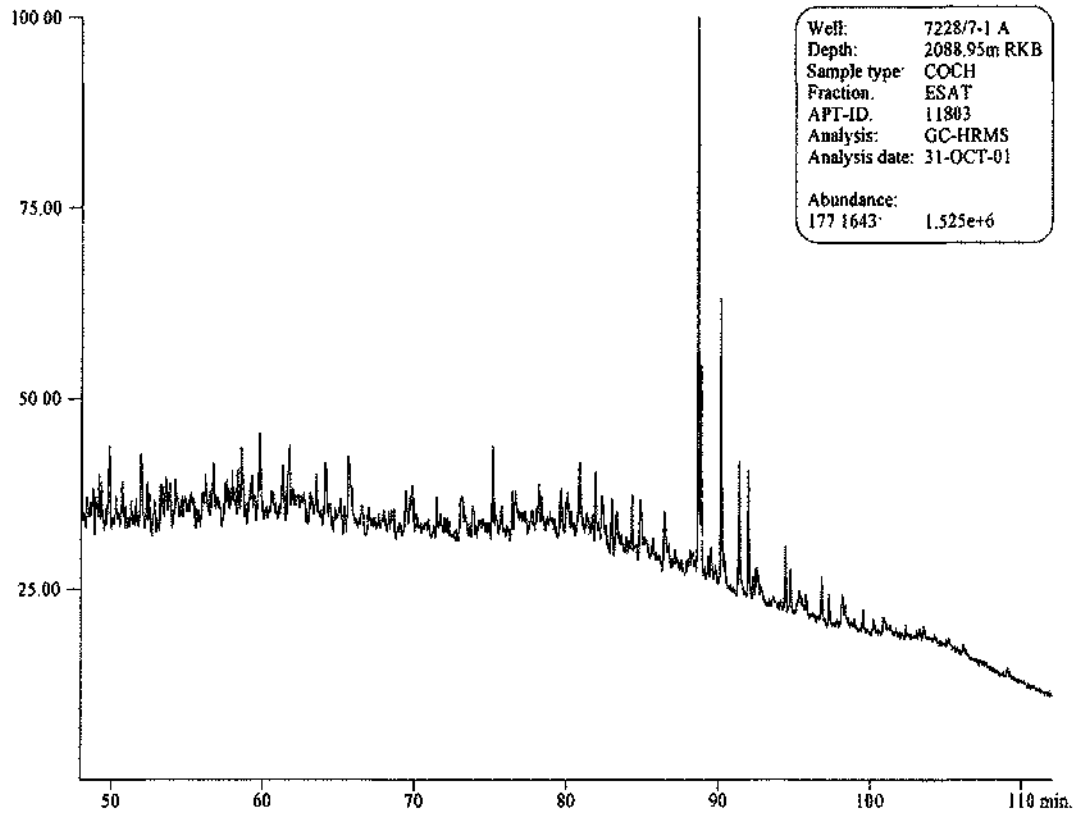

100.00
75.00
50.00
25.00
60
70
80
90
100 min
Well: 7228/7-1 A
Depth: 2088.95m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11802
Analysis: GC-HRMS
Analysis date: 30-OCT-01
Abundance:
217.1956: 1.015e+6

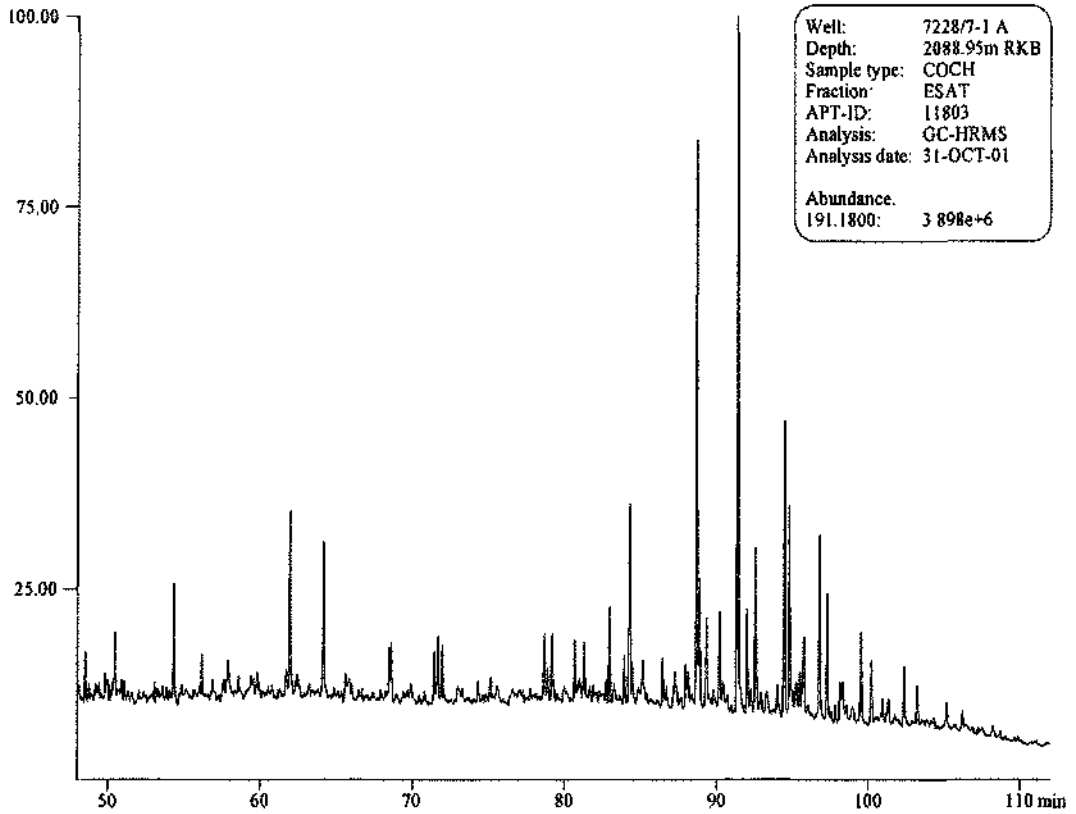

70 70
53 02
35 35
17 67
60
70
80
90
100 min
Well 7228/7-1 A
Depth 2088 95m RKB
Sample type COCH
Fraction ESAT
APT-ID 11802
Analysis GC-HRMS
Analysis date 30-OCT-01
Abundance
218 2035 4 997e+5

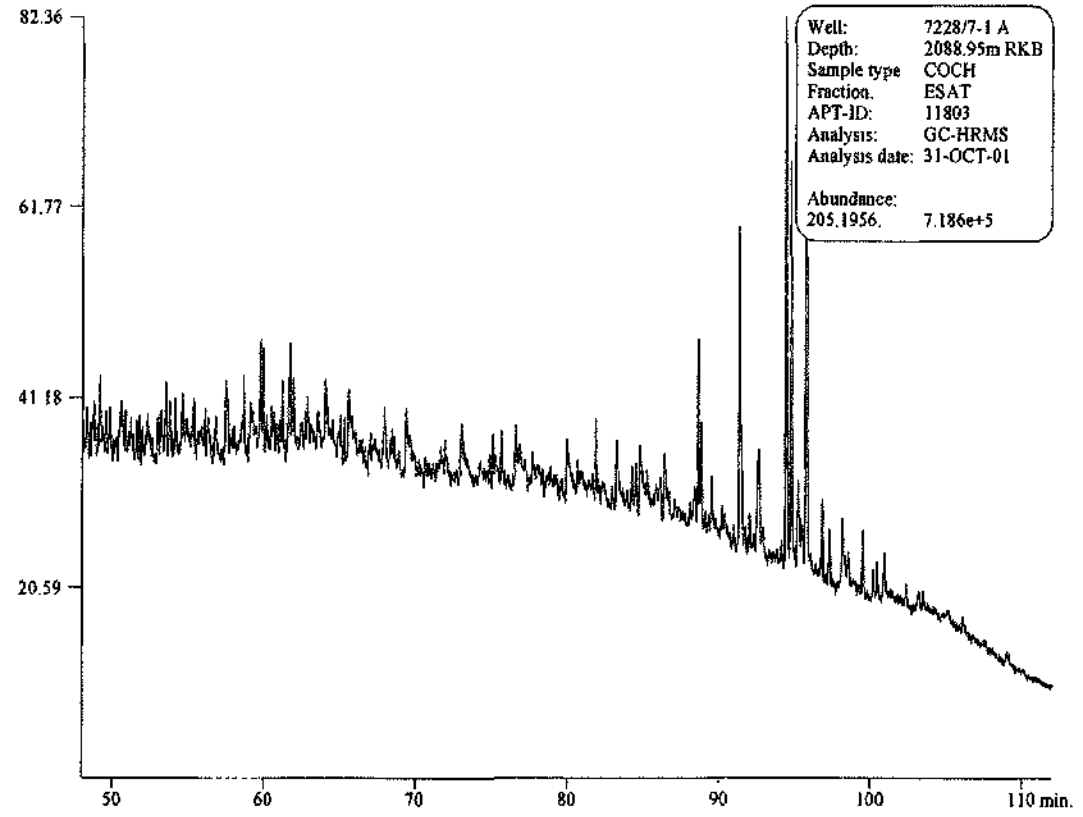

69 82
52 37
34 91
17 46
60
70
80
90
100 min
Well 7228/7-1 A
Depth 2088 95m RKB
Sample type COCH
Fraction ESAT
APT-ID 11802
Analysis GC-HRMS
Analysis date 30-OCT-01
Abundance
231 2113 3 343e+5

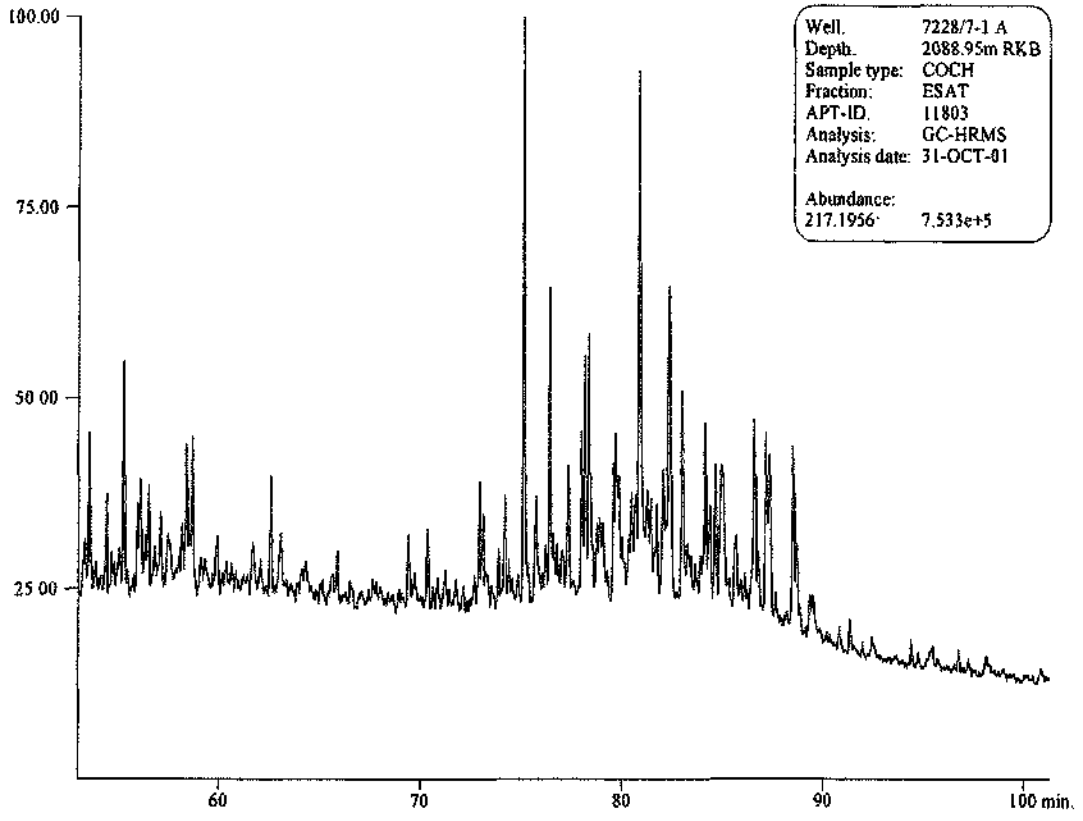

Well. 7228/7-1 A
Depth 2088.95m RKB
Sample type: COCH
Fraction: ESAT
APT-ID 11802
Analysis GC-HRMS
Analysis date 30-OCT-01
Abundance:
253.1956,253.2895: 1.167e+7
100.00
75.00
50.00
25.00
60
70
80
90
100 min

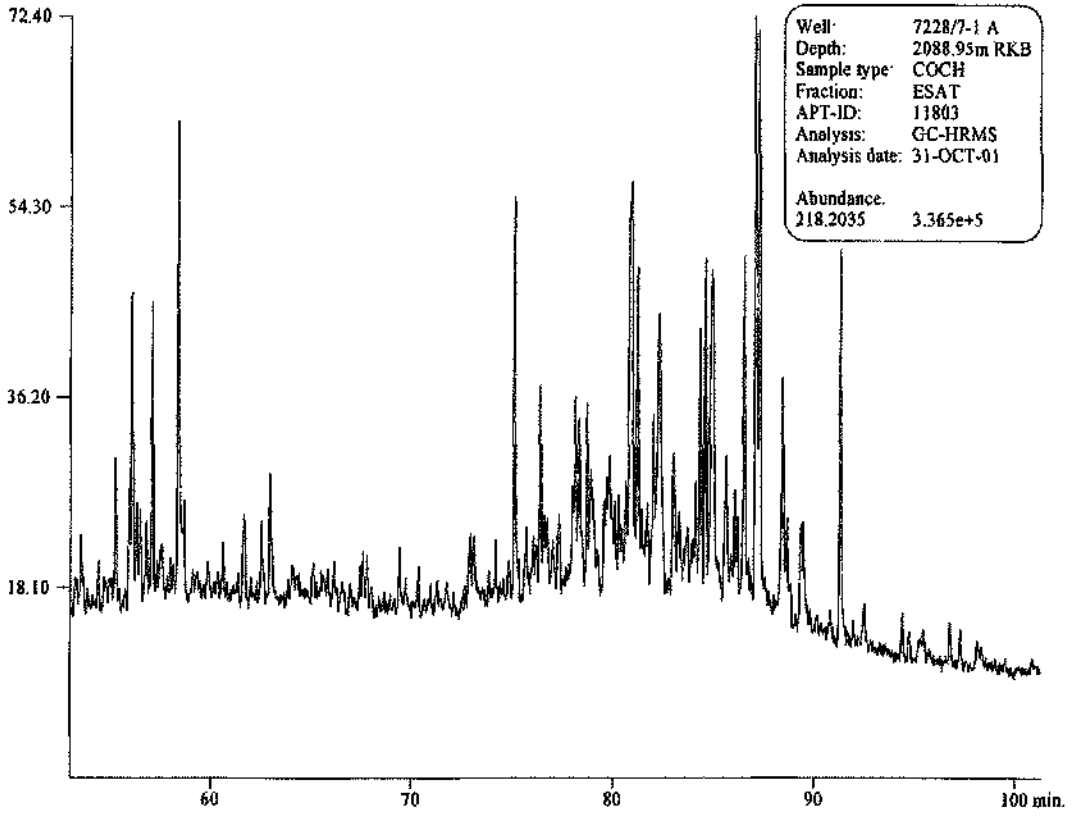

Well: 7228/7-1 A
Depth: 2088.95m RKB
Sample type. COCH
Fraction. ESAT
APT-ID: 11802
Analysis: GC-HRMS
Analysis date: 30-OCT-01
Abundance.
259.2426: 6.859e+5
100.00
75.00
50.00
25.00
60
70
80
90
100 min

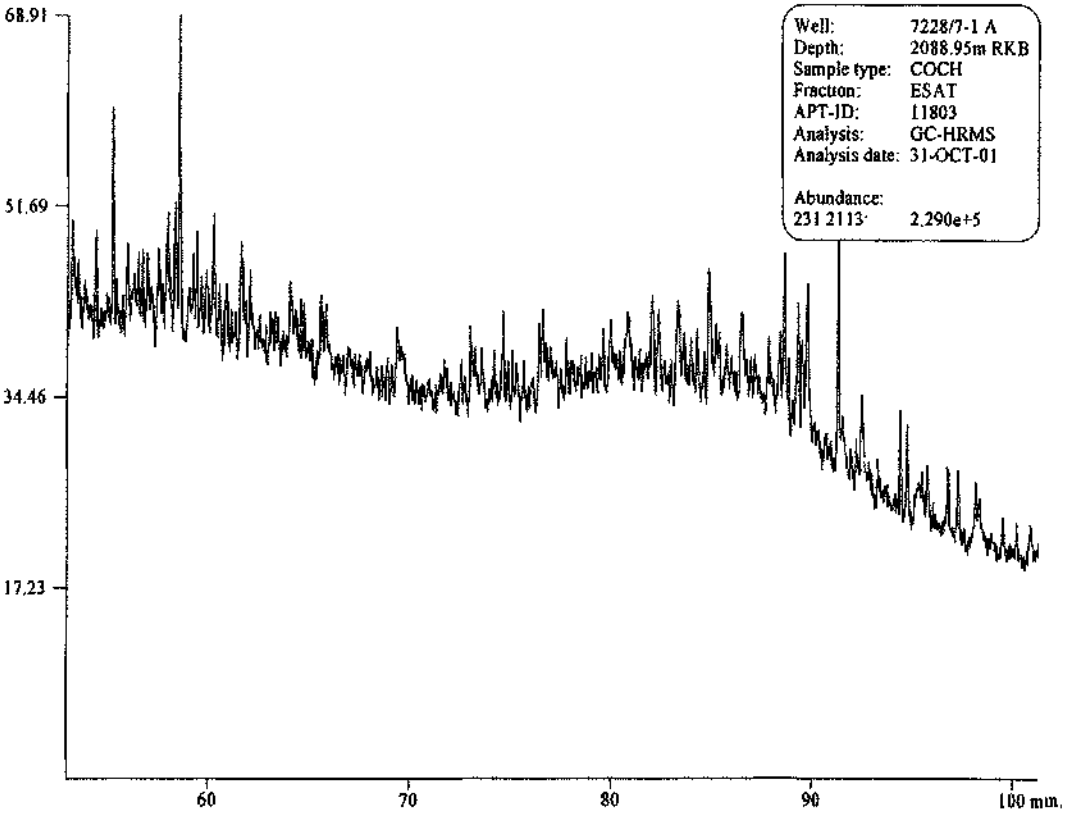

Well: 7228/7-1 A
Depth: 2088.95m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11803
Analysis: GC-HRMS
Analysis date: 31-OCT-01
Abundance:
177.1643: 1.525e+6
100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min.

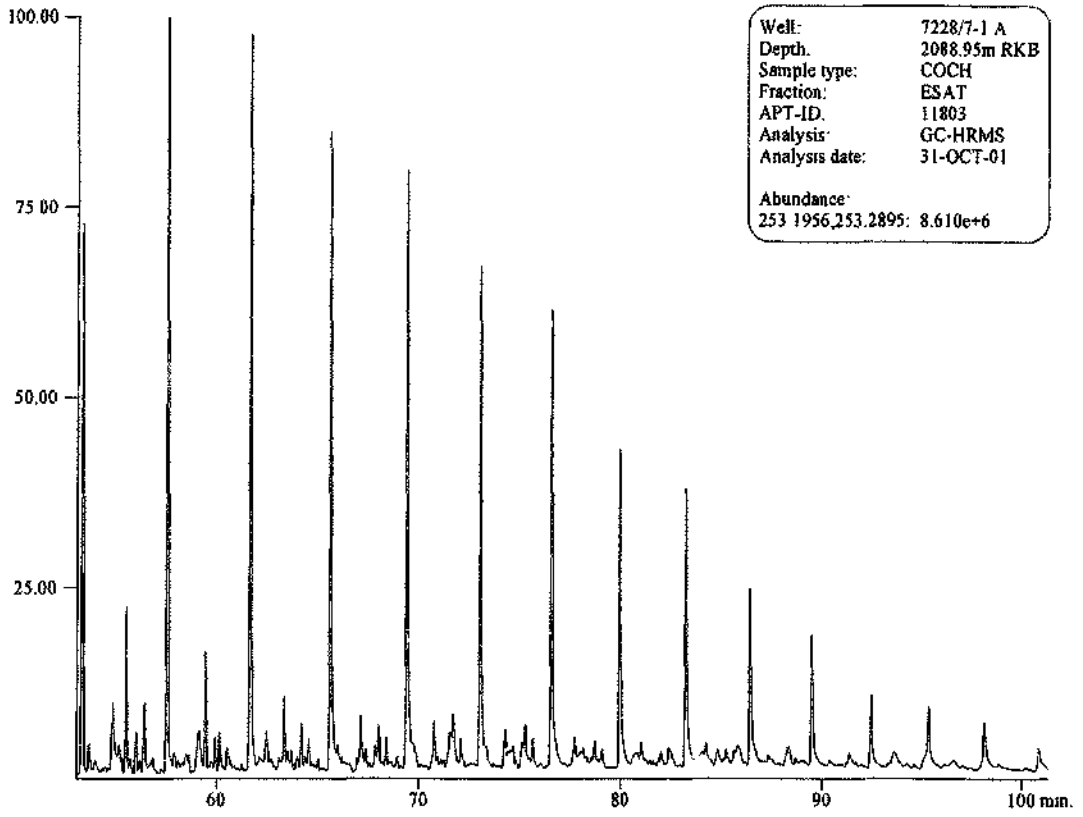

Well: 7228/7-1 A
Depth: 2088.95m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11803
Analysis: GC-HRMS
Analysis date: 31-OCT-01
Abundance:
191.1800: 3.898e+6
100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min

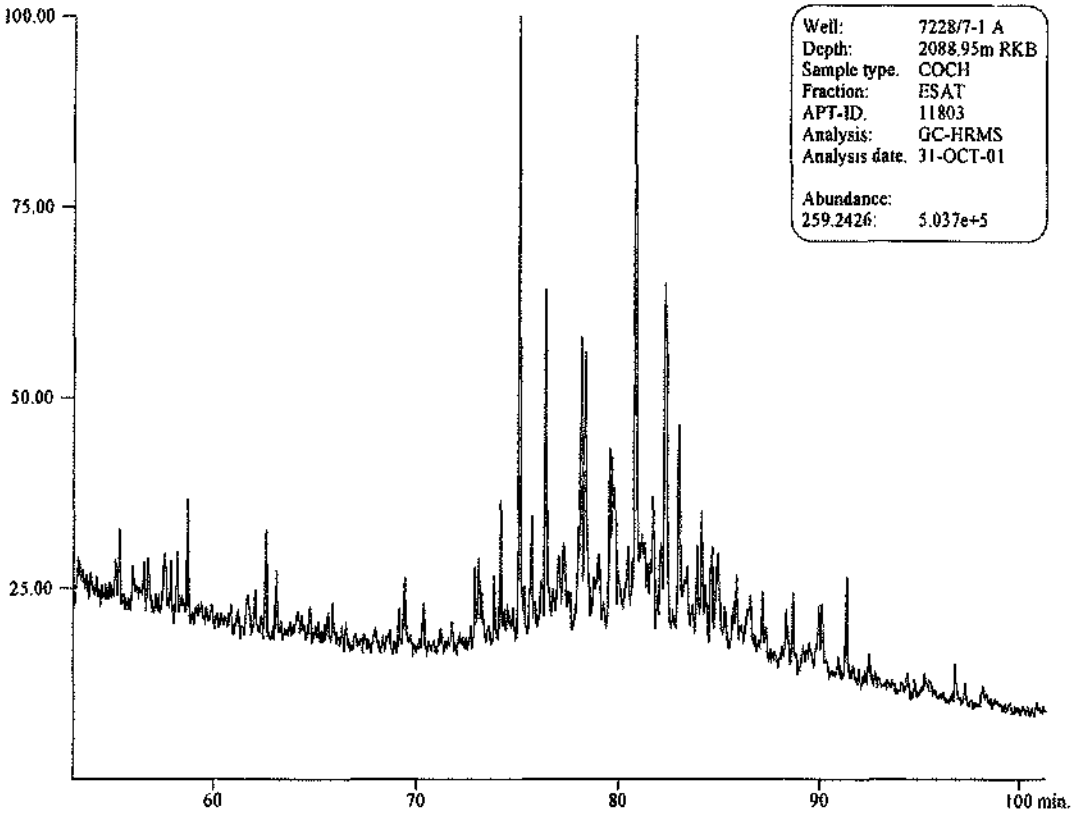

82.36
61.77
41.18
20.59
50
60
70
80
90
100
110 min.
Well: 7228/7-1 A
Depth: 2088.95m RKB
Sample type COCH
Fraction. ESAT
APT-ID: 11803
Analysis: GC-HRMS
Analysis date: 31-OCT-01
Abundance:
205.1956. 7.186e+5

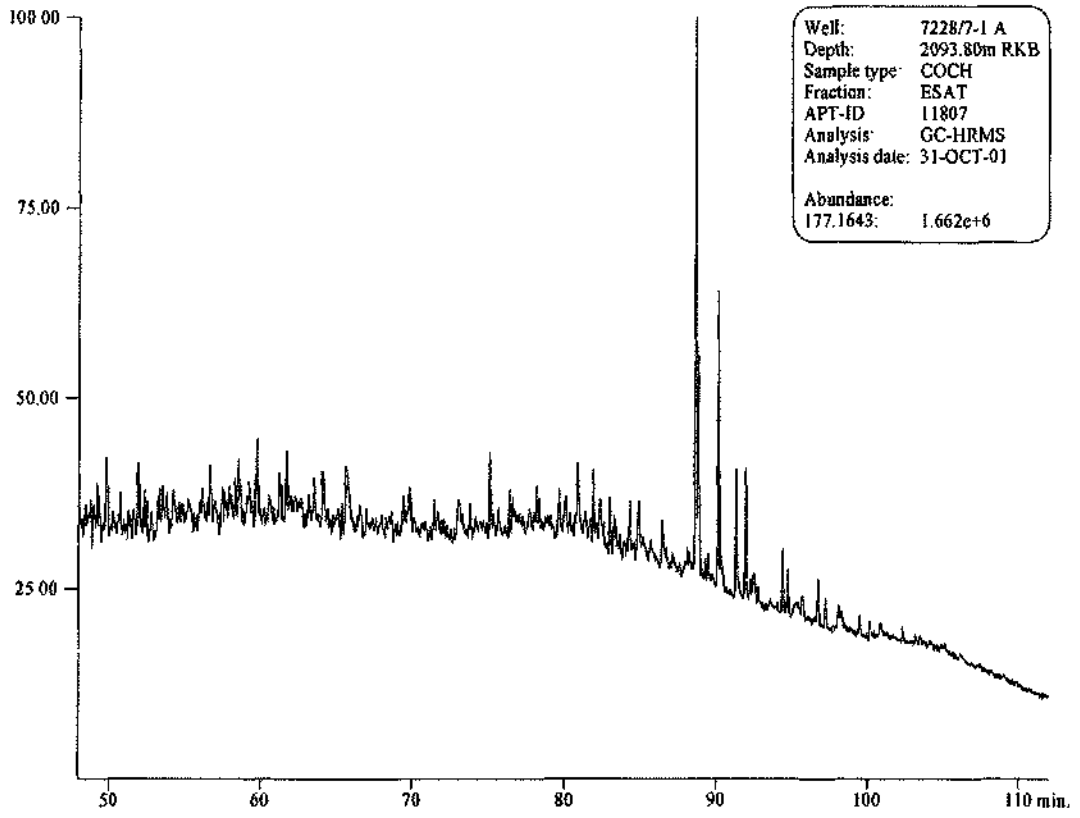

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Well. 7228/7-1 A
Depth. 2088.95m RKB
Sample type: COCH
Fraction: ESAT
APT-ID. 11803
Analysis: GC-HRMS
Analysis date: 31-OCT-01
Abundance:
217.1956 7.533e+5

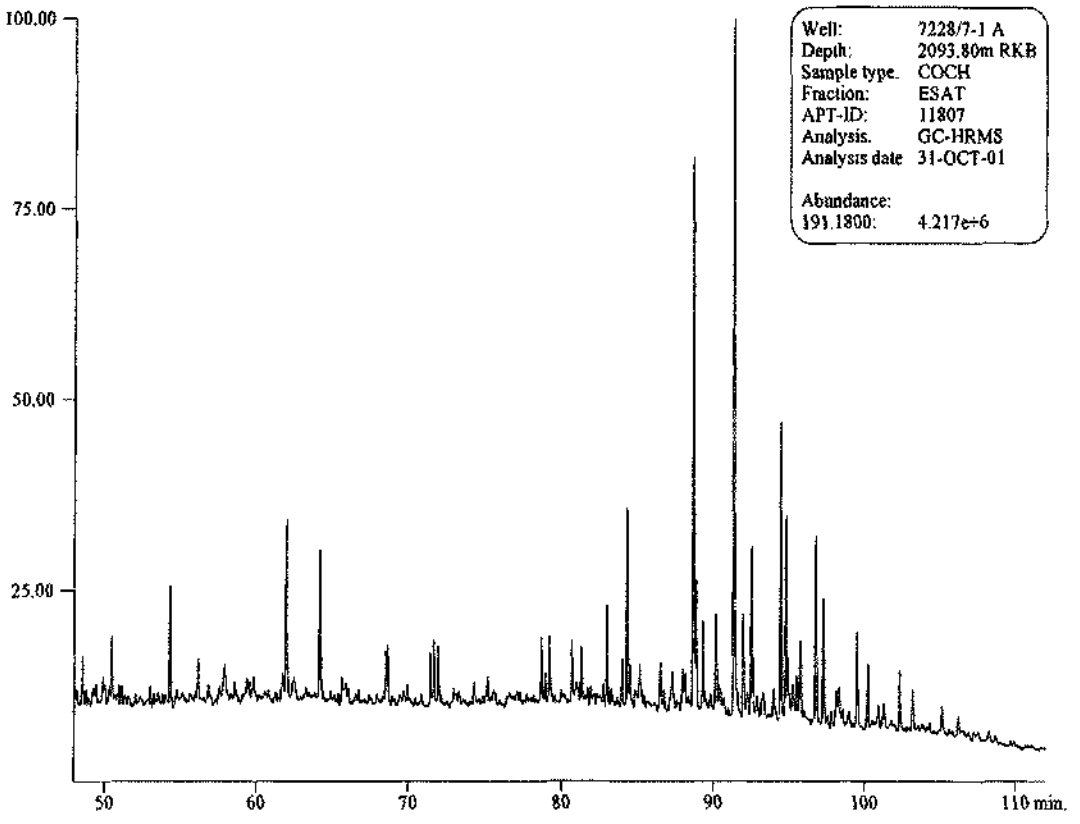

72.40
54.30
36.20
18.10
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth: 2088.95m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11803
Analysis: GC-HRMS
Analysis date: 31-OCT-01
Abundance:
218.2035 3.365e+5

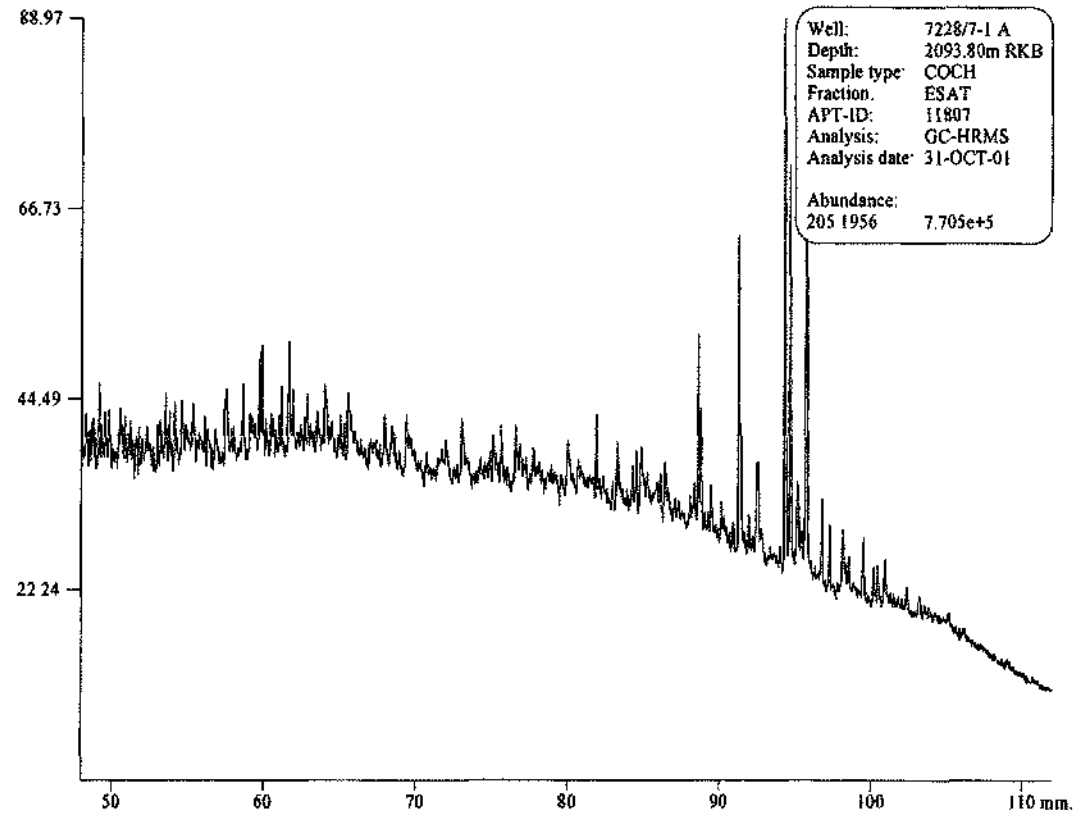

68.91
51.69
34.46
17.23
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth: 2088.95m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11803
Analysis: GC-HRMS
Analysis date: 31-OCT-01
Abundance:
231.2113 2.290e+5

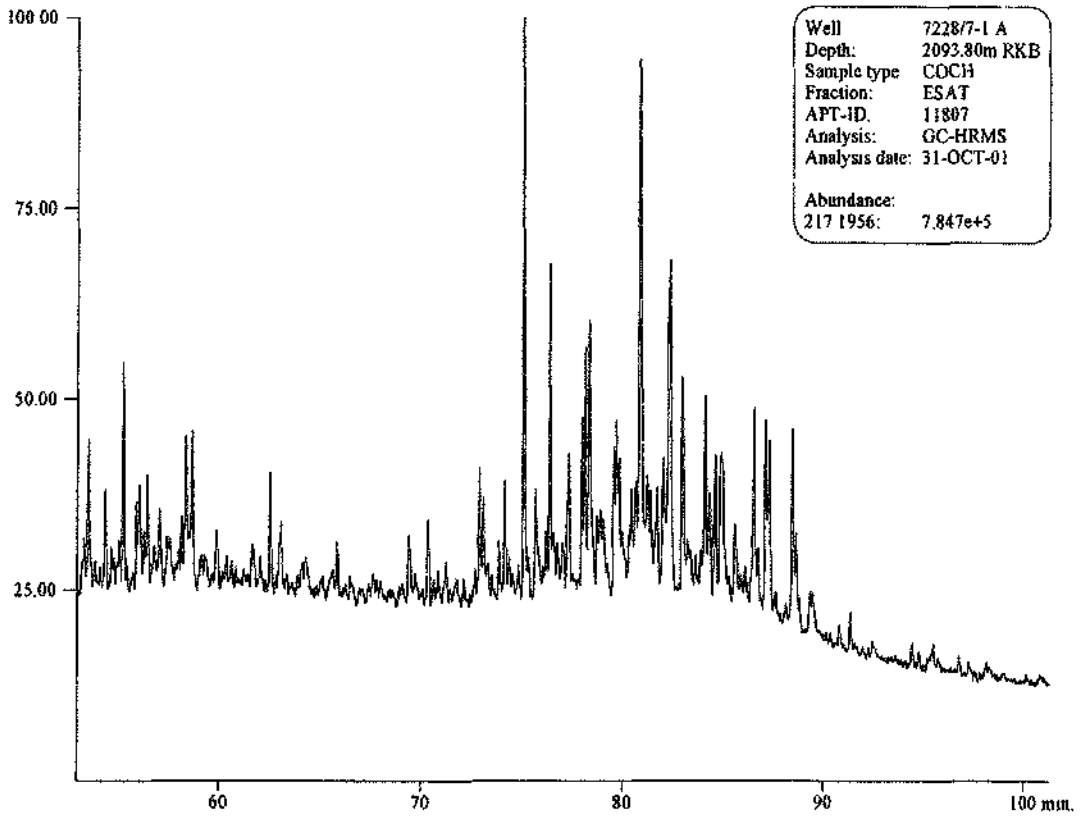

Well: 7228/7-1 A
Depth. 2088.95m RKB
Sample type: COCH
Fraction: ESAT
APT-ID. 11803
Analysis: GC-HRMS
Analysis date: 31-OCT-01
Abundance:
253 1956,253.2895: 8.610e+6
100.00
75.00
50.00
25.00
60
70
80
90
100 min.

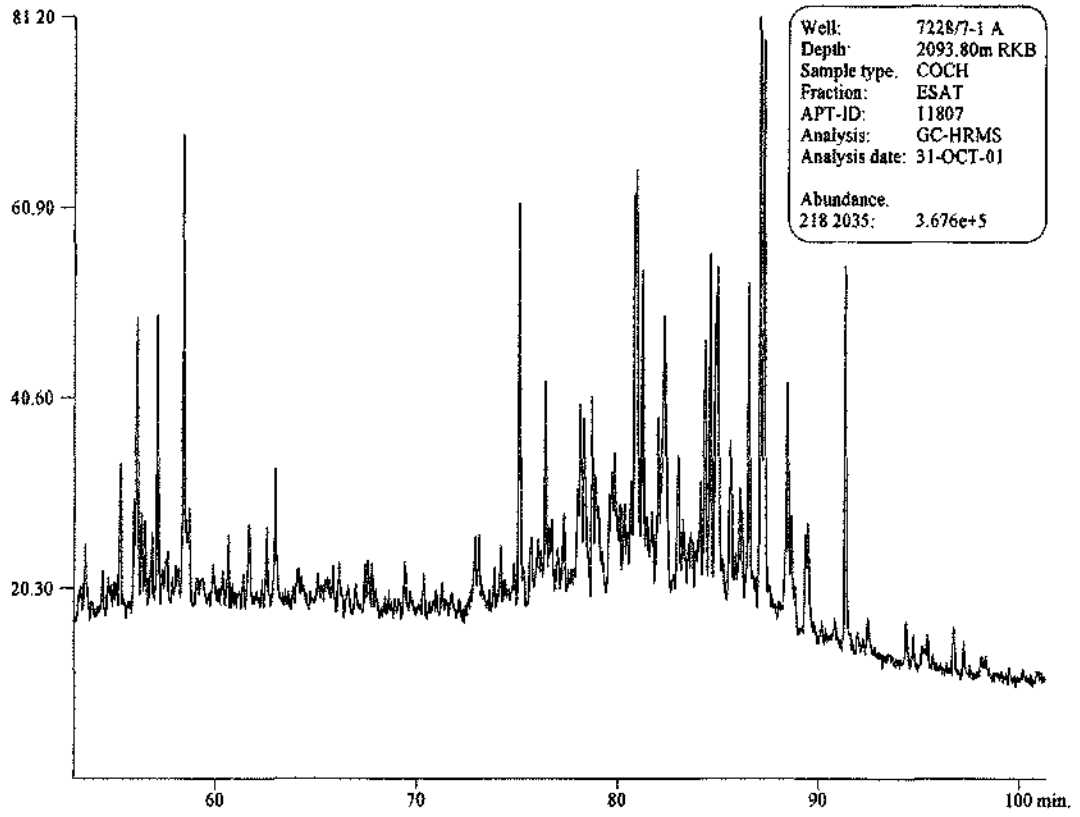

Well: 7228/7-1 A
Depth: 2088.95m RKB
Sample type. COCH
Fraction: ESAT
APT-ID. 11803
Analysis: GC-HRMS
Analysis date. 31-OCT-01
Abundance:
259.2426: 5.037e+5
100.00
75.00
50.00
25.00
60
70
80
90
100 min.

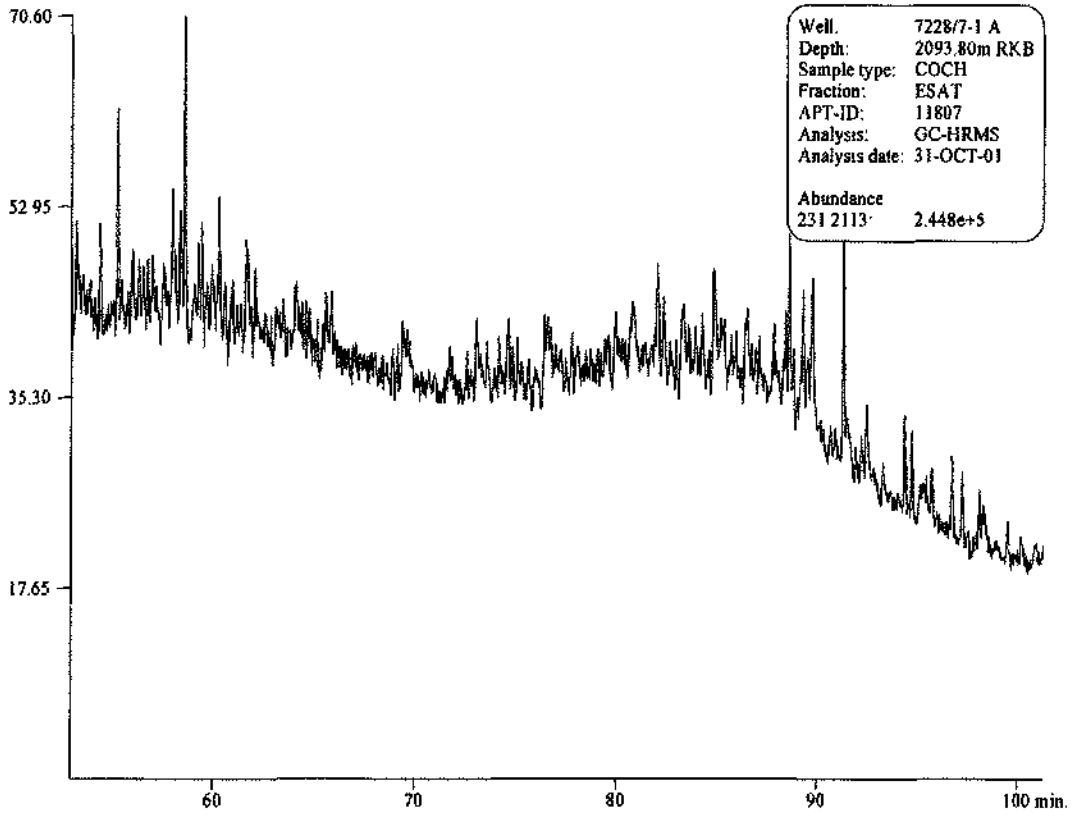

Well: 7228/7-1 A
Depth: 2093.80m RKB
Sample type: COCH
Fraction: ESAT
APT-ID 11807
Analysis: GC-HRMS
Analysis date: 31-OCT-01
Abundance:
177.1643: 1.662e+6
100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min.

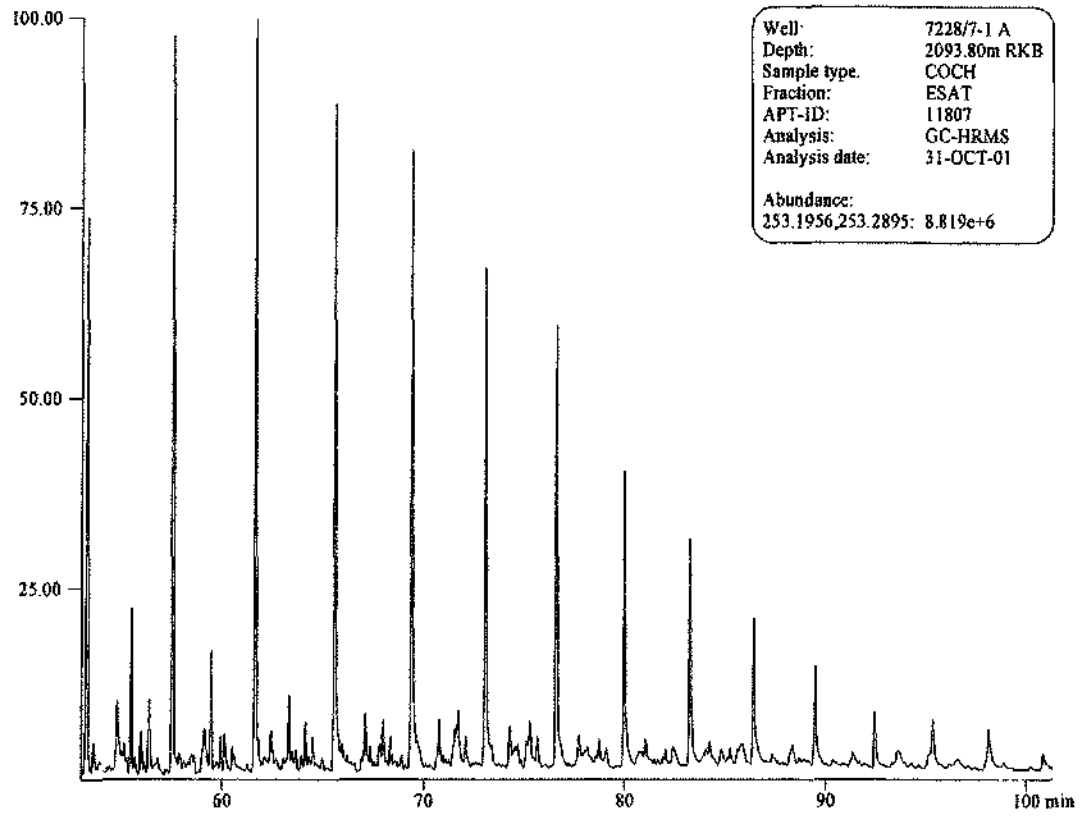

Well: 7228/7-1 A
Depth: 2093.80m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11807
Analysis: GC-HRMS
Analysis date 31-OCT-01
Abundance:
191.1800: 4.217e+6
100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min.

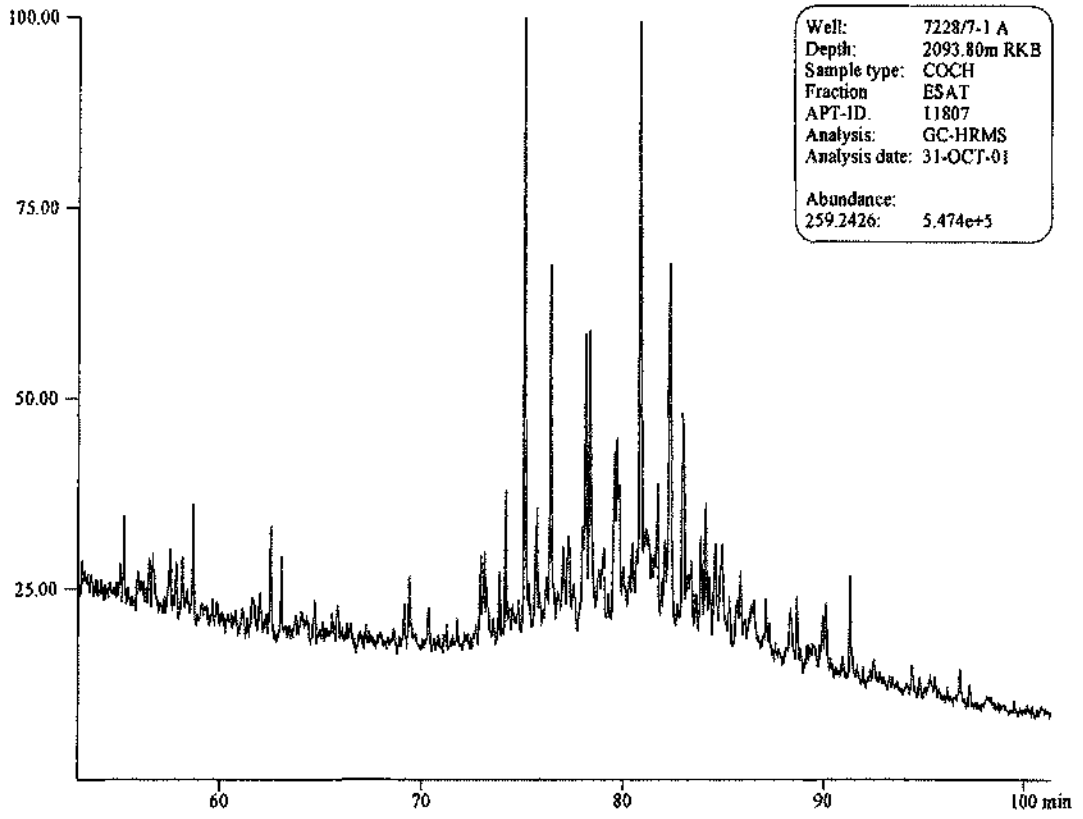

88.97
66.73
44.49
22.24
50
60
70
80
90
100
110 mm.
Well: 7228/7-1 A
Depth: 2093.80m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11807
Analysis: GC-HRMS
Analysis date: 31-OCT-01
Abundance:
205 1956 7.705e+5

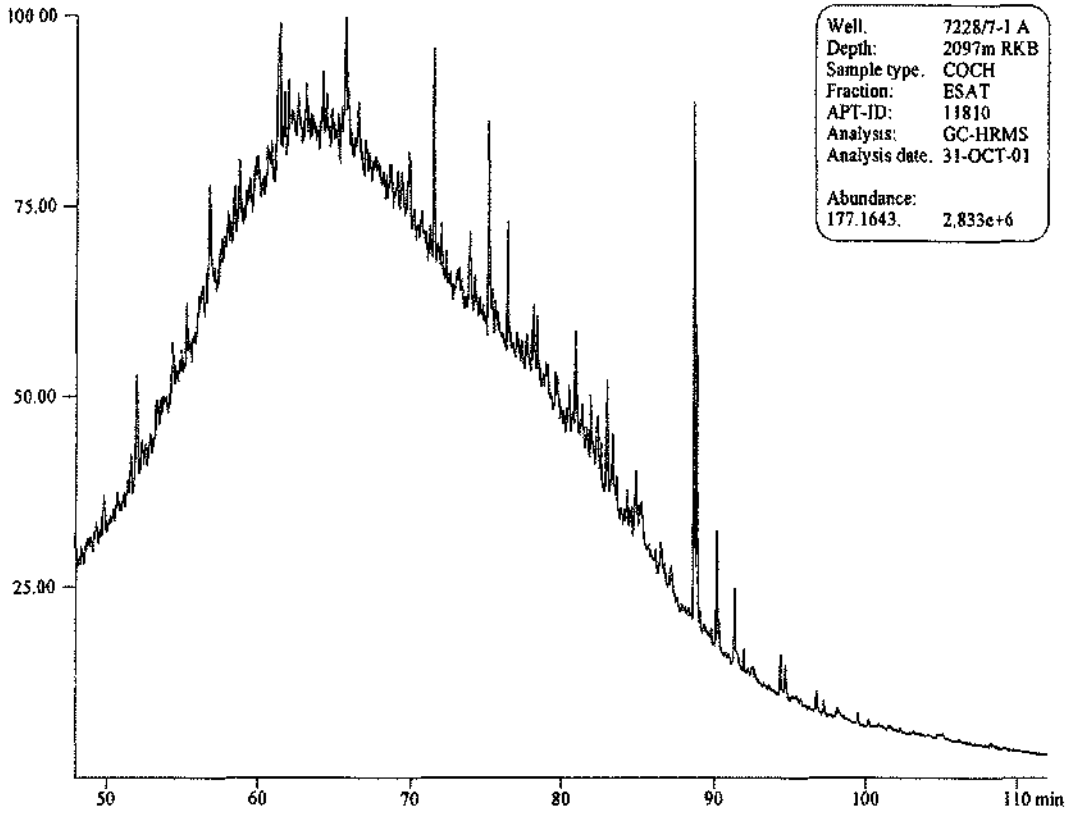

100.00
75.00
50.00
25.00
60
70
80
90
100 mm.
Well 7228/7-1 A
Depth: 2093.80m RKB
Sample type COCH
Fraction: ESAT
APT-ID. 11807
Analysis: GC-HRMS
Analysis date: 31-OCT-01
Abundance:
217 1956: 7.847e+5

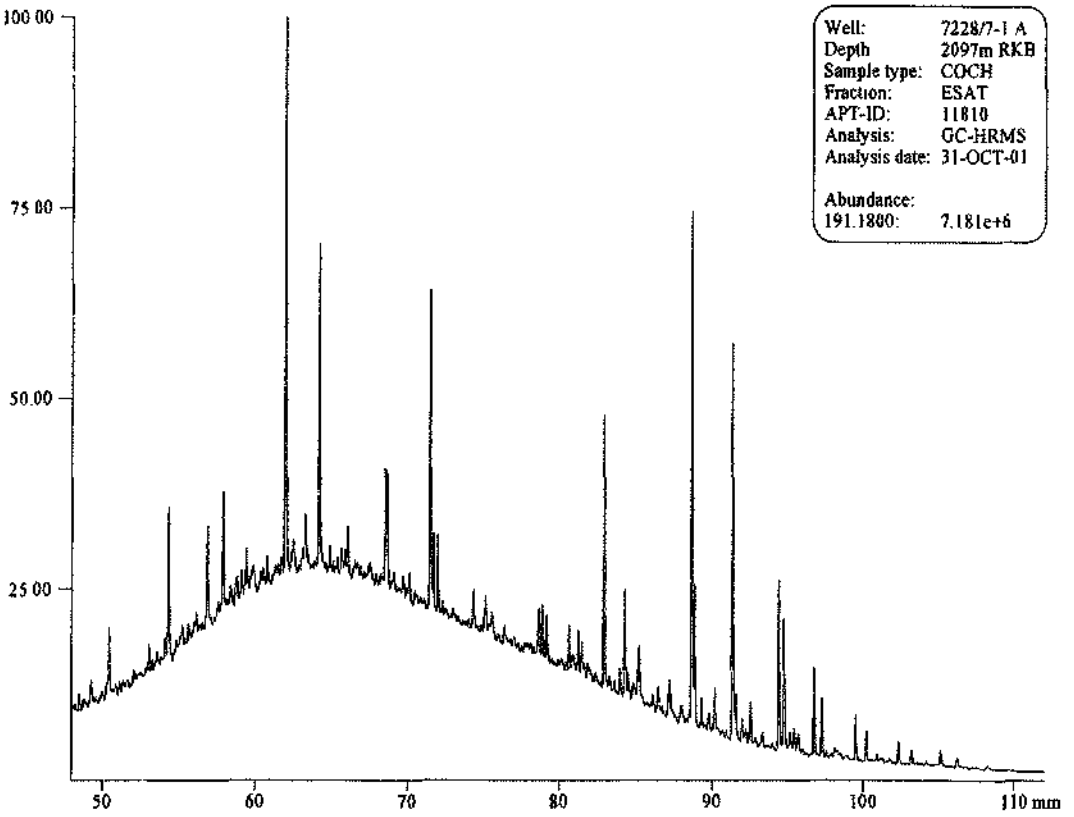

81.20
60.90
40.60
20.30
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth: 2093.80m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11807
Analysis: GC-HRMS
Analysis date: 31-OCT-01
Abundance
218 2035: 3.676e+5

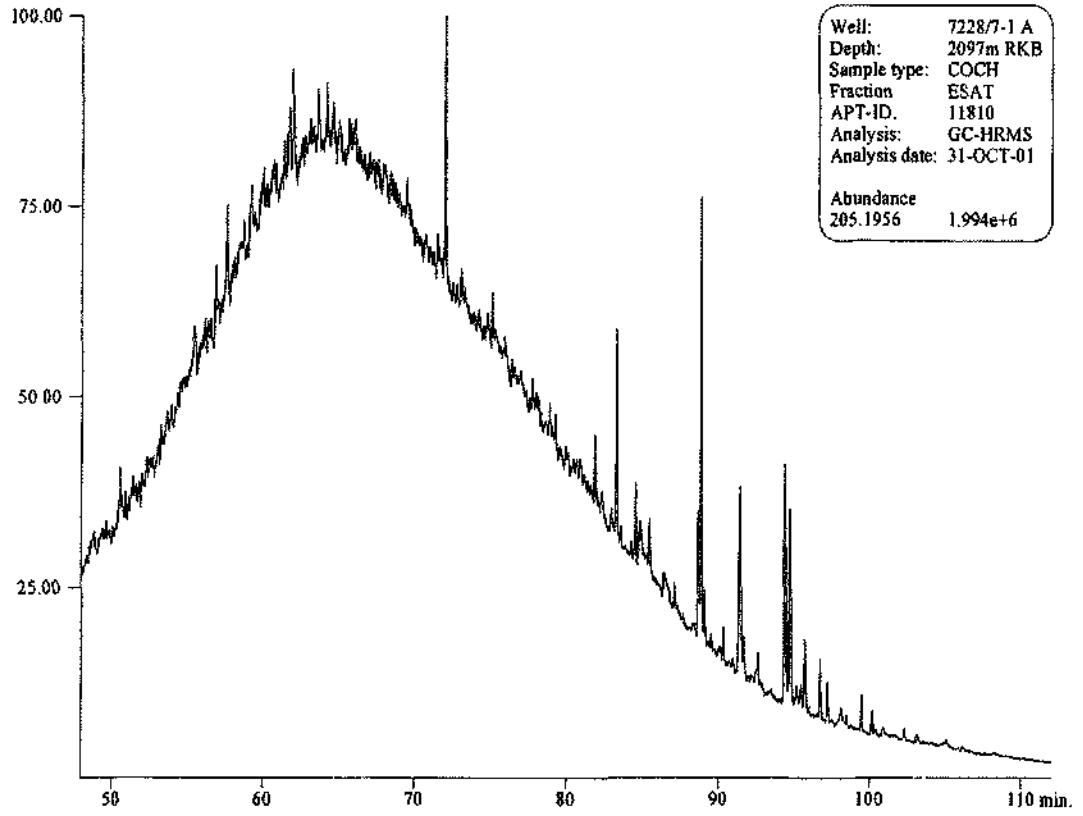

70.60
52.95
35.30
17.65
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth: 2093.80m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11807
Analysis: GC-HRMS
Analysis date: 31-OCT-01
Abundance
231 2113: 2.448e+5

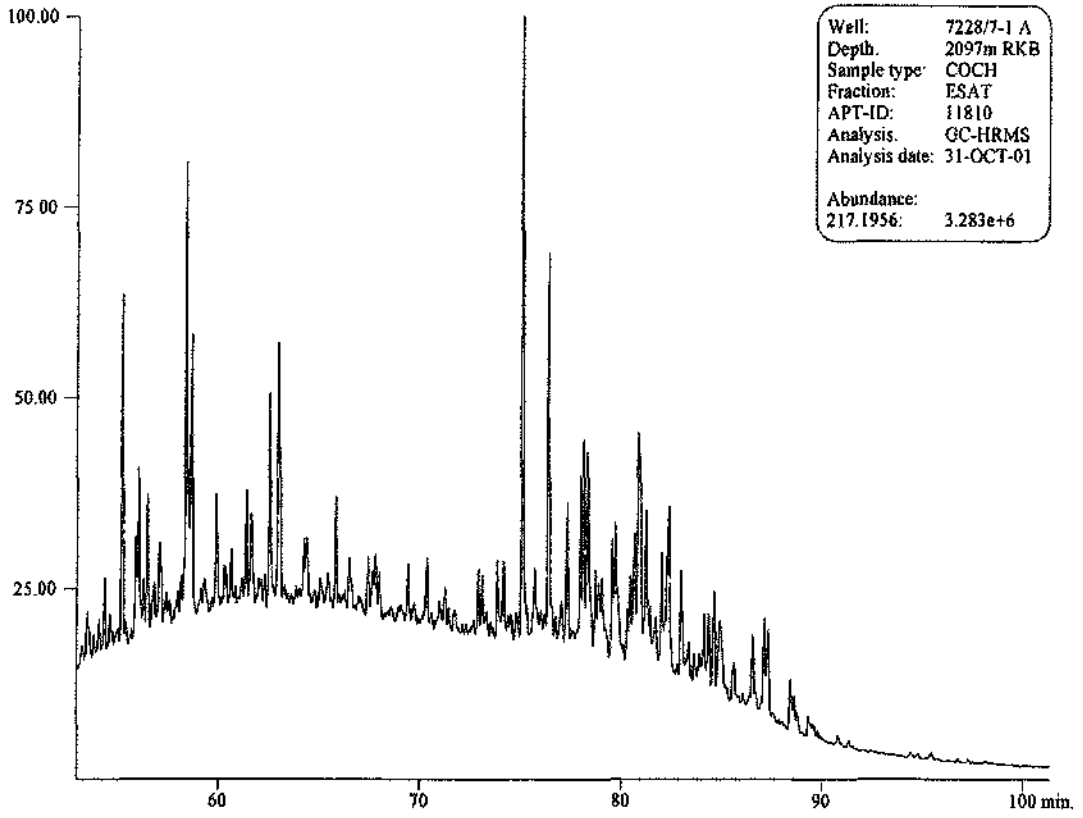

100.00
75.00
50.00
25.00
60
70
80
90
100 min
Well: 7228/7-1 A
Depth: 2093.80m RKB
Sample type. COCH
Fraction: ESAT
APT-ID: 11807
Analysis: GC-HRMS
Analysis date: 31-OCT-01
Abundance:
253.1956,253.2895: 8.819e+6

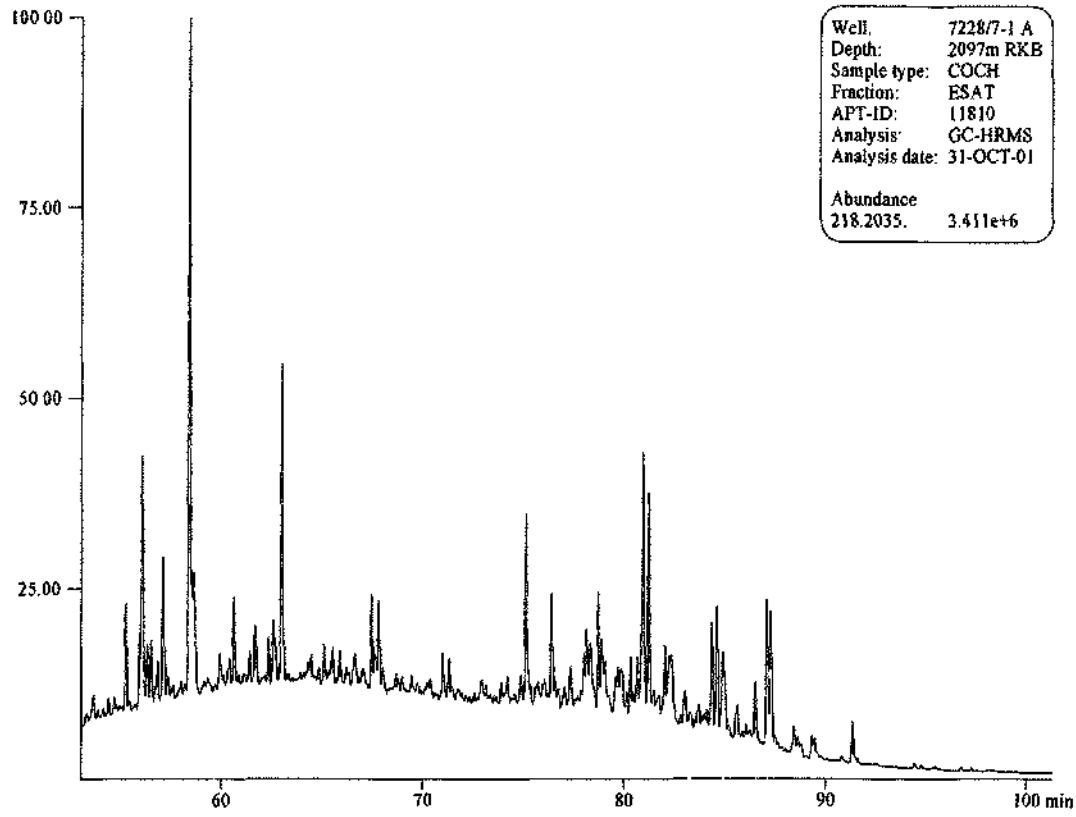

100.00
75.00
50.00
25.00
60
70
80
90
100 min
Well: 7228/7-1 A
Depth: 2093.80m RKB
Sample type: COCH
Fraction ESAT
APT-ID. 11807
Analysis: GC-HRMS
Analysis date: 31-OCT-01
Abundance:
259.2426: 5.474e+5

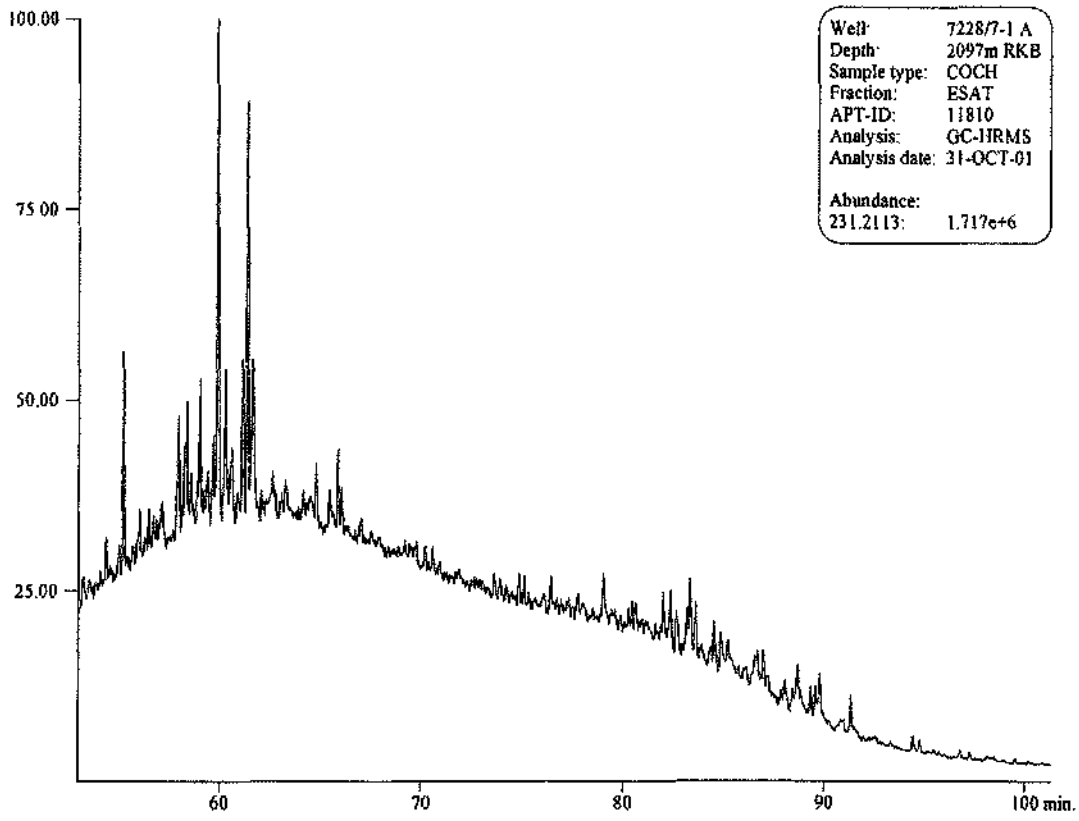

100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min
Well: 7228/7-1 A
Depth: 2097m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11810
Analysis: GC-HRMS
Analysis date: 31-OCT-01
Abundance:
177.1643: 2.833e+6

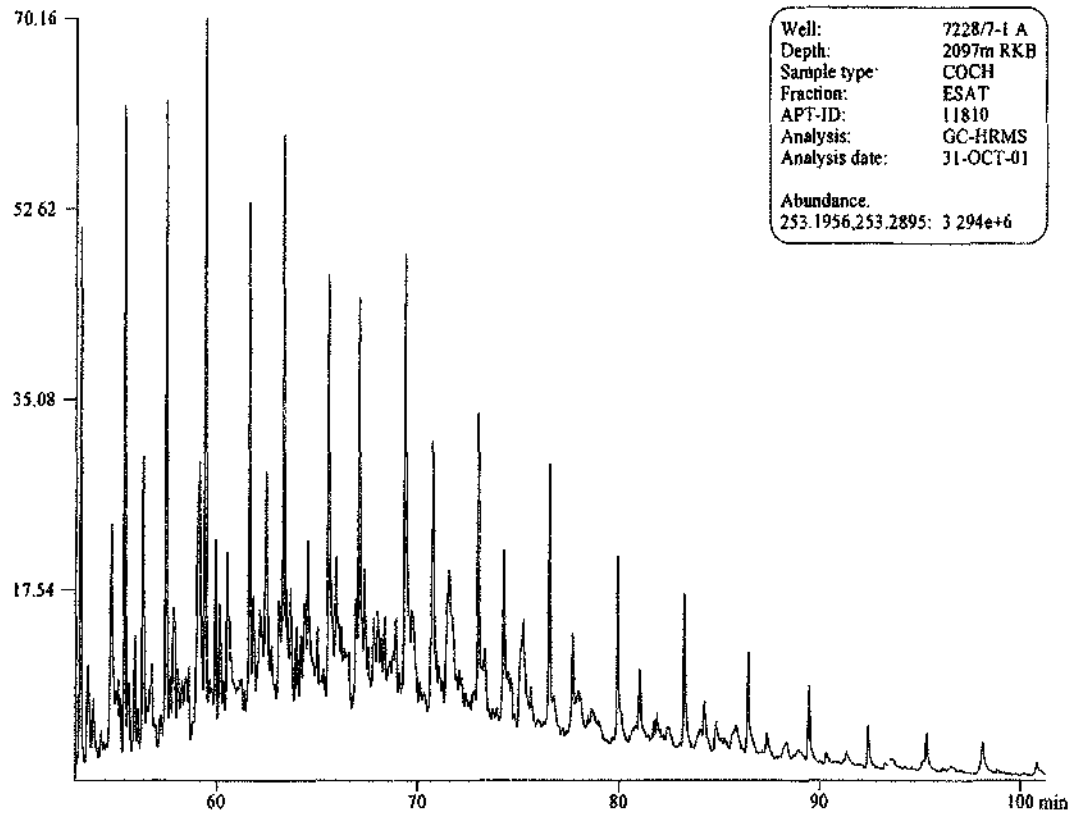

100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min
Well: 7228/7-1 A
Depth: 2097m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11810
Analysis: GC-HRMS
Analysis date: 31-OCT-01
Abundance:
191.1800: 7.181e+6

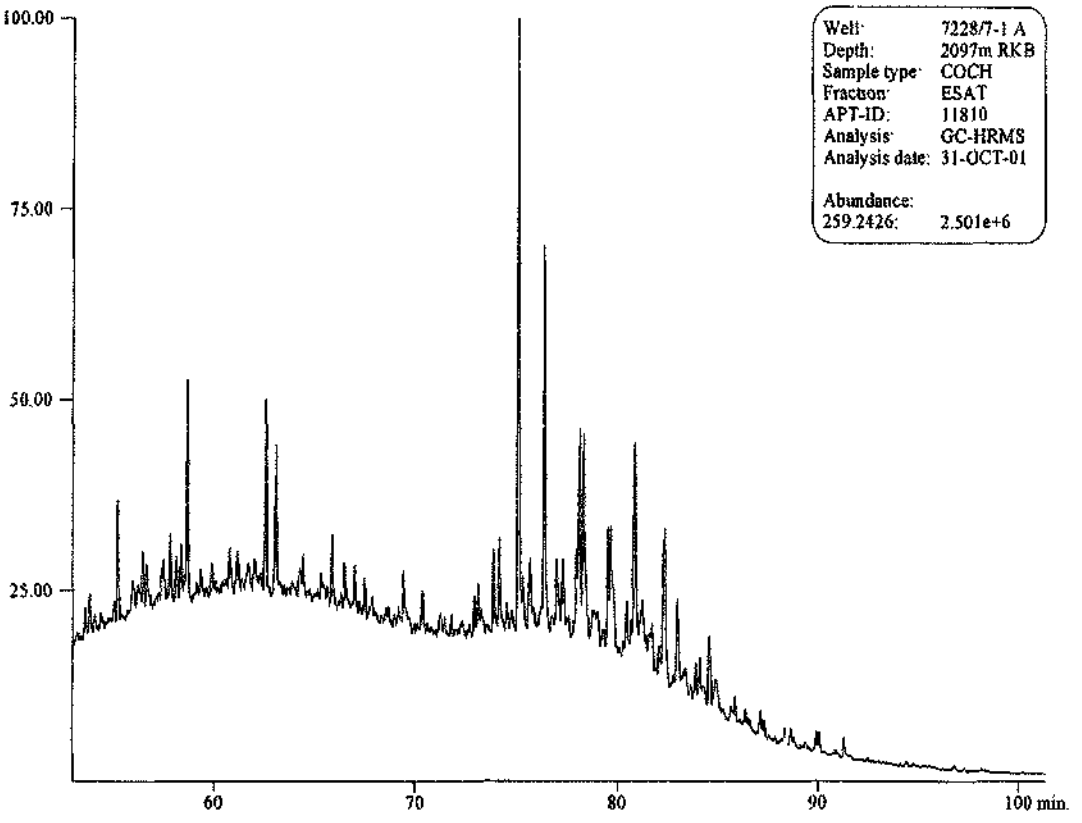

100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min.
Well: 7228/7-1 A
Depth: 2097m RKB
Sample type: COCH
Fraction ESAT
APT-ID. 11810
Analysis: GC-HRMS
Analysis date: 31-OCT-01
Abundance
205.1956 1.994e+6

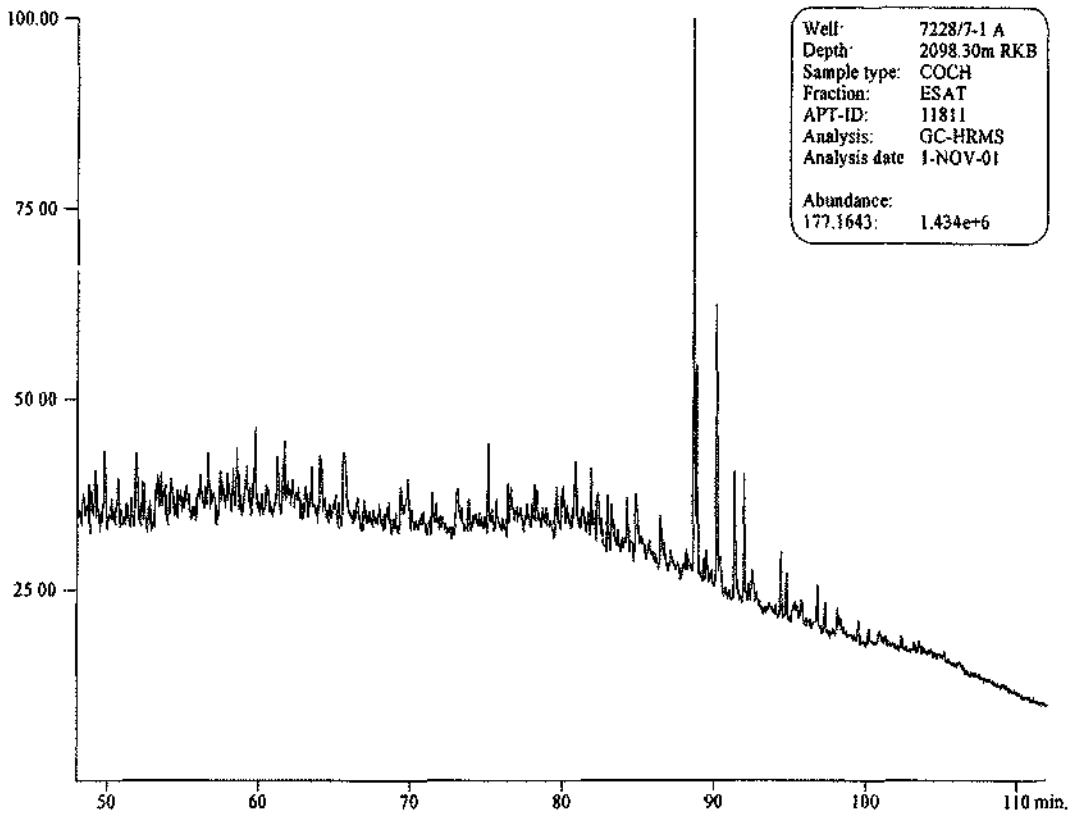

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth. 2097m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11810
Analysis. GC-HRMS
Analysis date: 31-OCT-01
Abundance:
217.1956: 3.283e+6

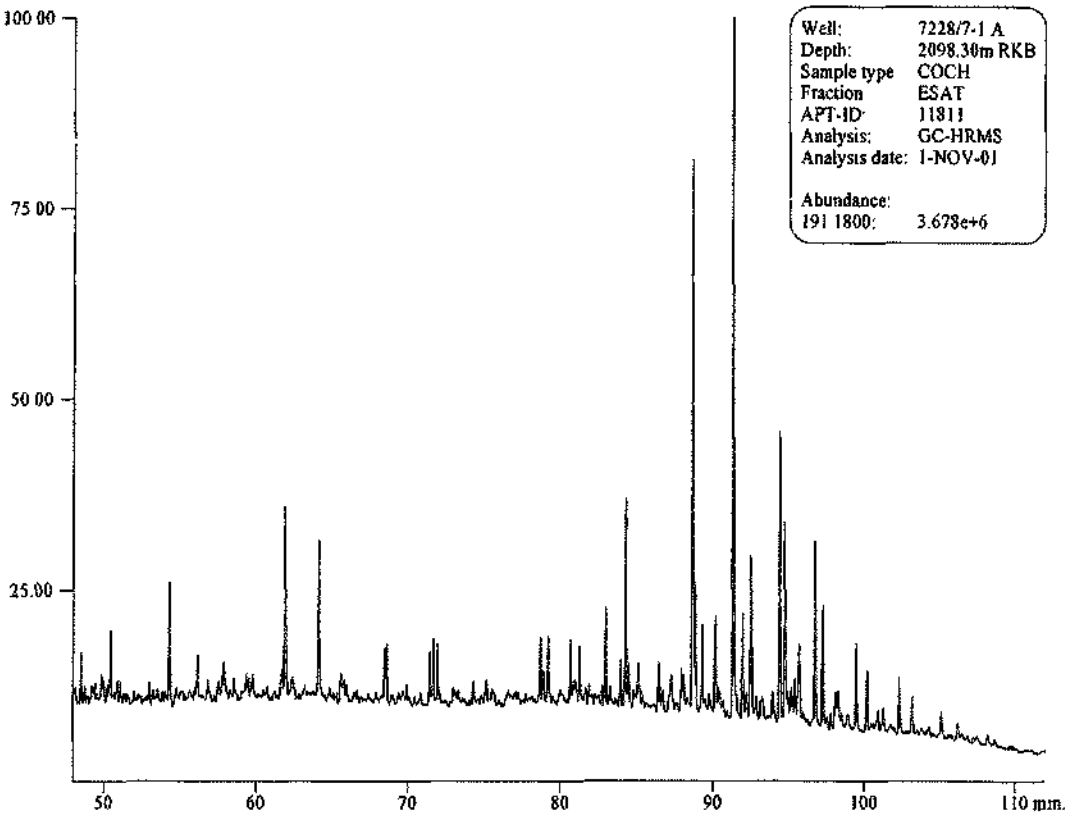

100.00
75.00
50.00
25.00
60
70
80
90
100 min
Well: 7228/7-1 A
Depth: 2097m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11810
Analysis: GC-HRMS
Analysis date: 31-OCT-01
Abundance
218.2035: 3.411e+6

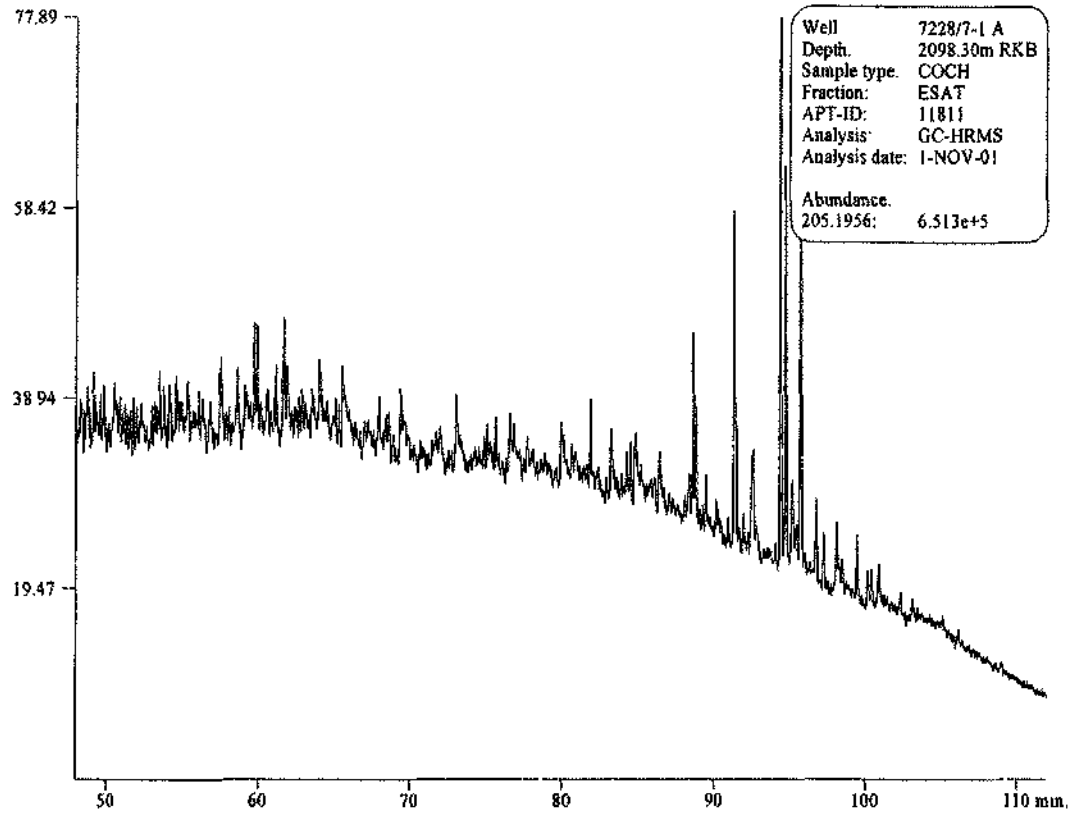

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth: 2097m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11810
Analysis: GC-HRMS
Analysis date: 31-OCT-01
Abundance:
231.2113: 1.717e+6

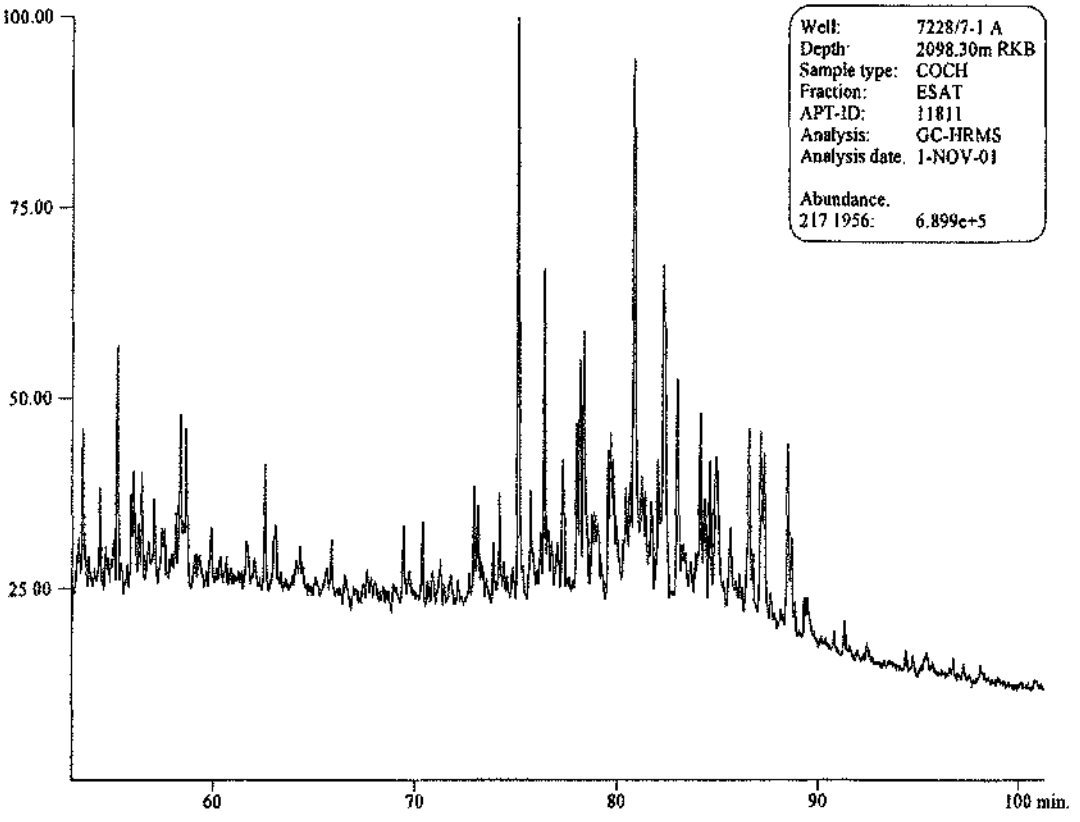

70.16
52.62
35.08
17.54
60
70
80
90
100 min
Well: 7228/7-1 A
Depth: 2097m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11810
Analysis: GC-HRMS
Analysis date: 31-OCT-01
Abundance.
253.1956,253.2895: 3.294e+6

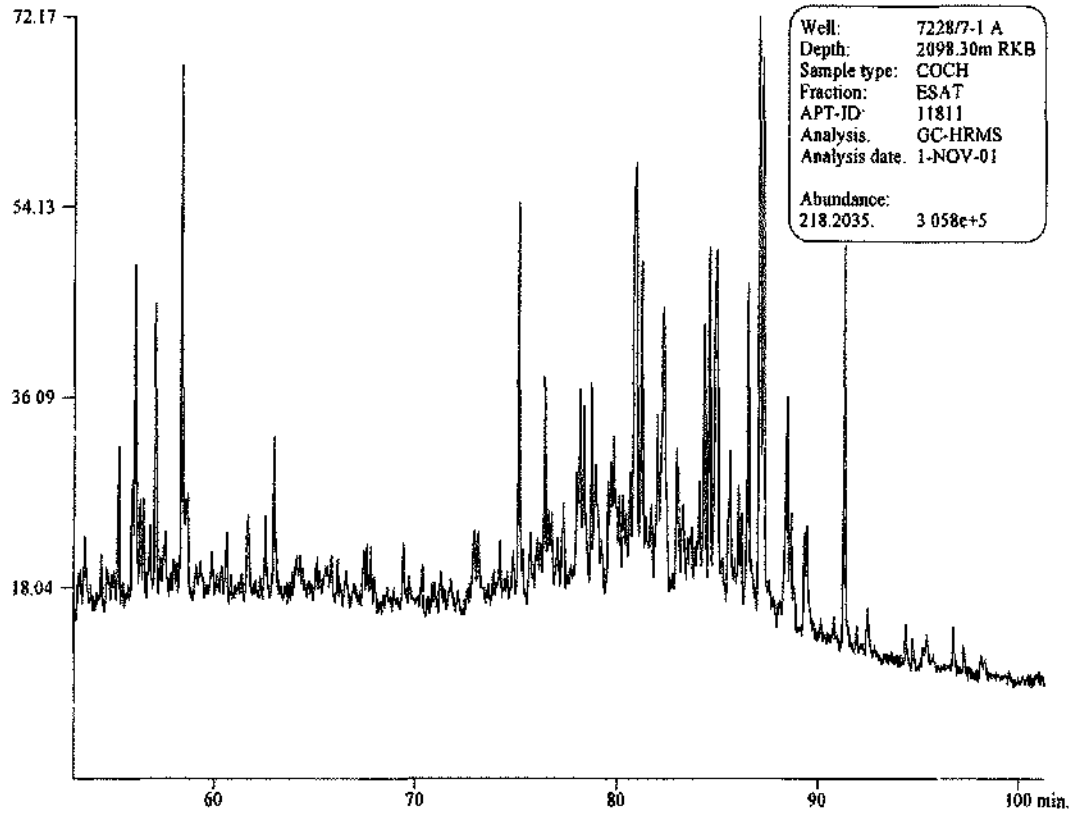

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth: 2097m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11810
Analysis: GC-HRMS
Analysis date: 31-OCT-01
Abundance:
259.2426: 2.501e+6

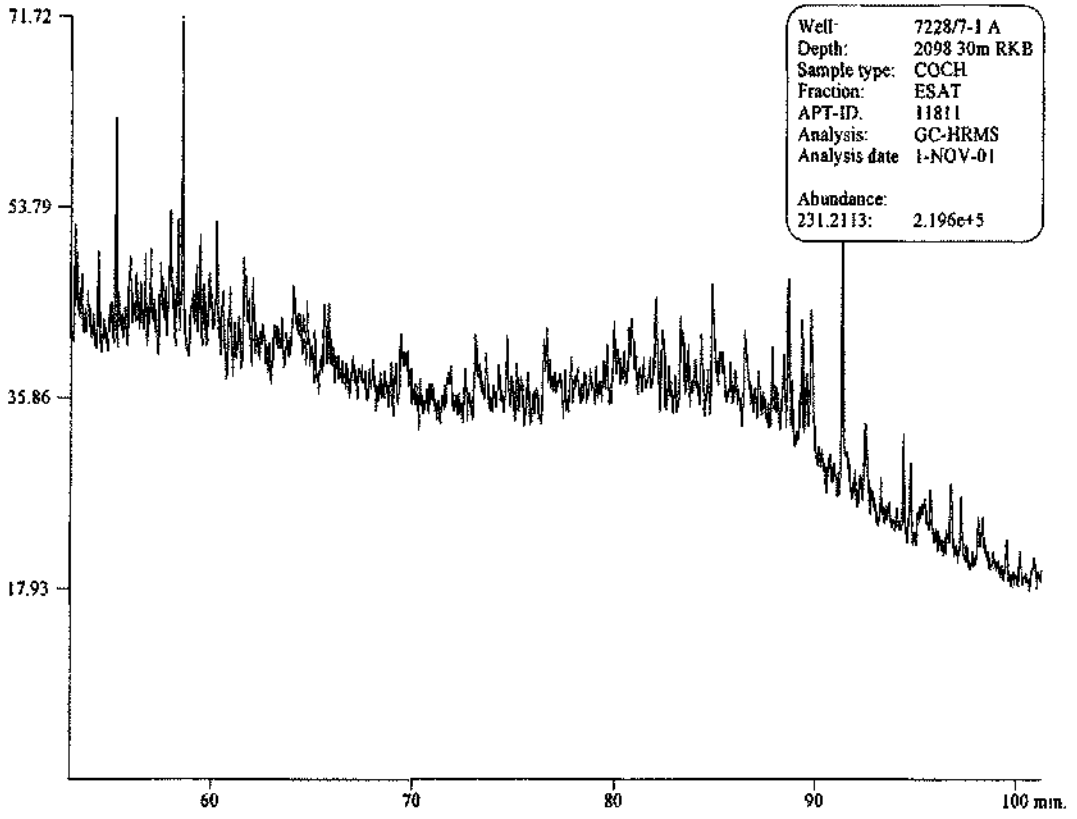

100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min.
Well: 7228/7-1 A
Depth: 2098.30m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11811
Analysis: GC-HRMS
Analysis date 1-NOV-01
Abundance:
177.1643: 1.434e+6

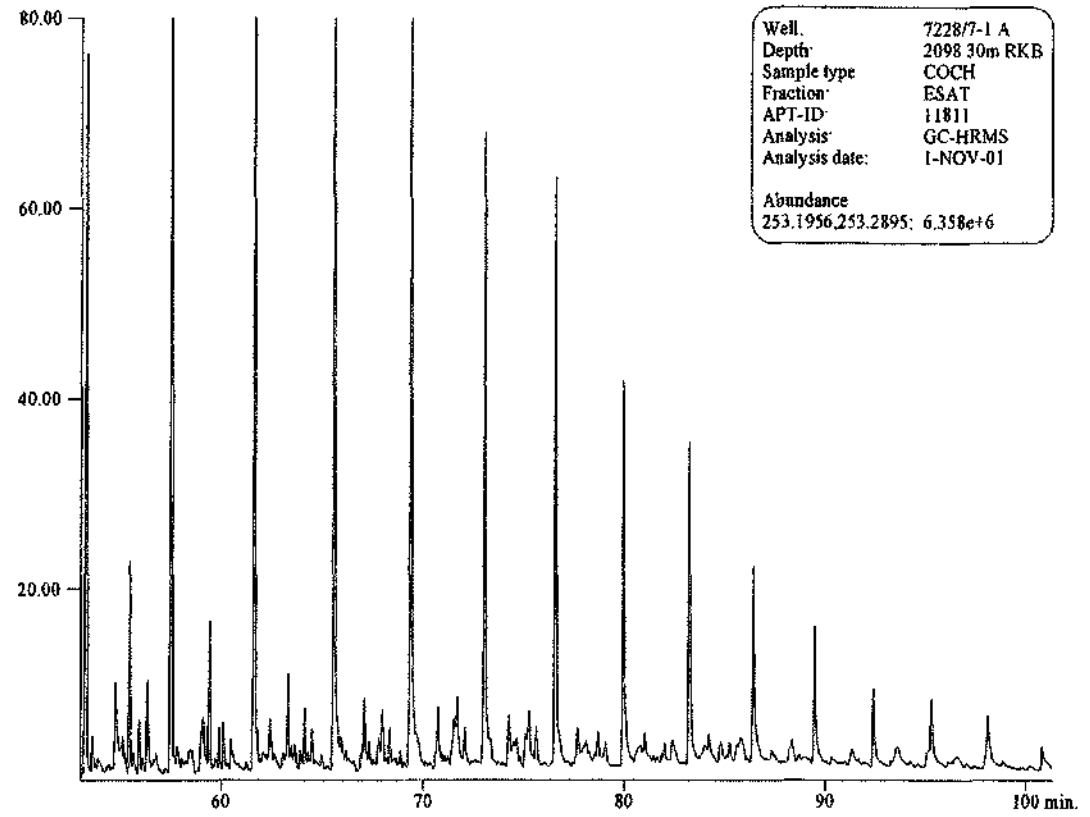

100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 mn.
Well: 7228/7-1 A
Depth: 2098.30m RKB
Sample type COCH
Fraction ESAT
APT-ID 11811
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance:
191.1800: 3.678e+6

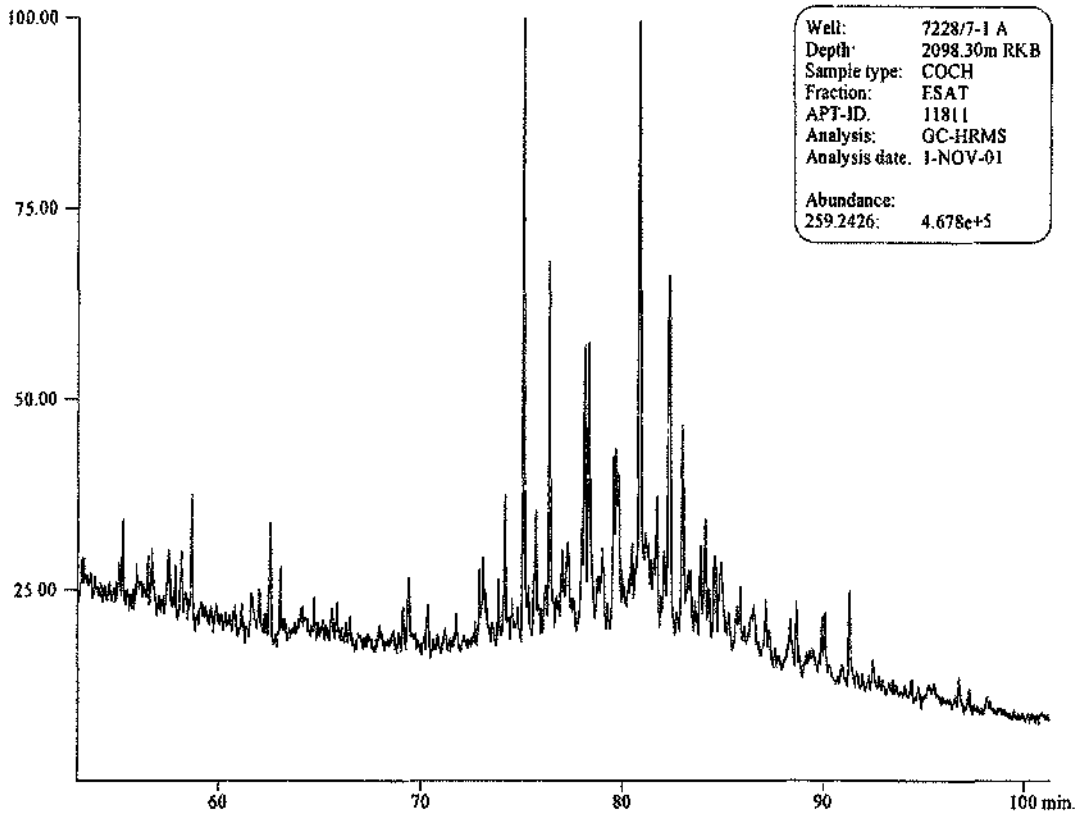

77.89
58.42
38.94
19.47
50
60
70
80
90
100
110 min.
Well 7228/7-1 A
Depth. 2098.30m RKB
Sample type. COCH
Fraction: ESAT
APT-ID: 11811
Analysis GC-HRMS
Analysis date: 1-NOV-01
Abundance.
205.1956: 6.513e+5

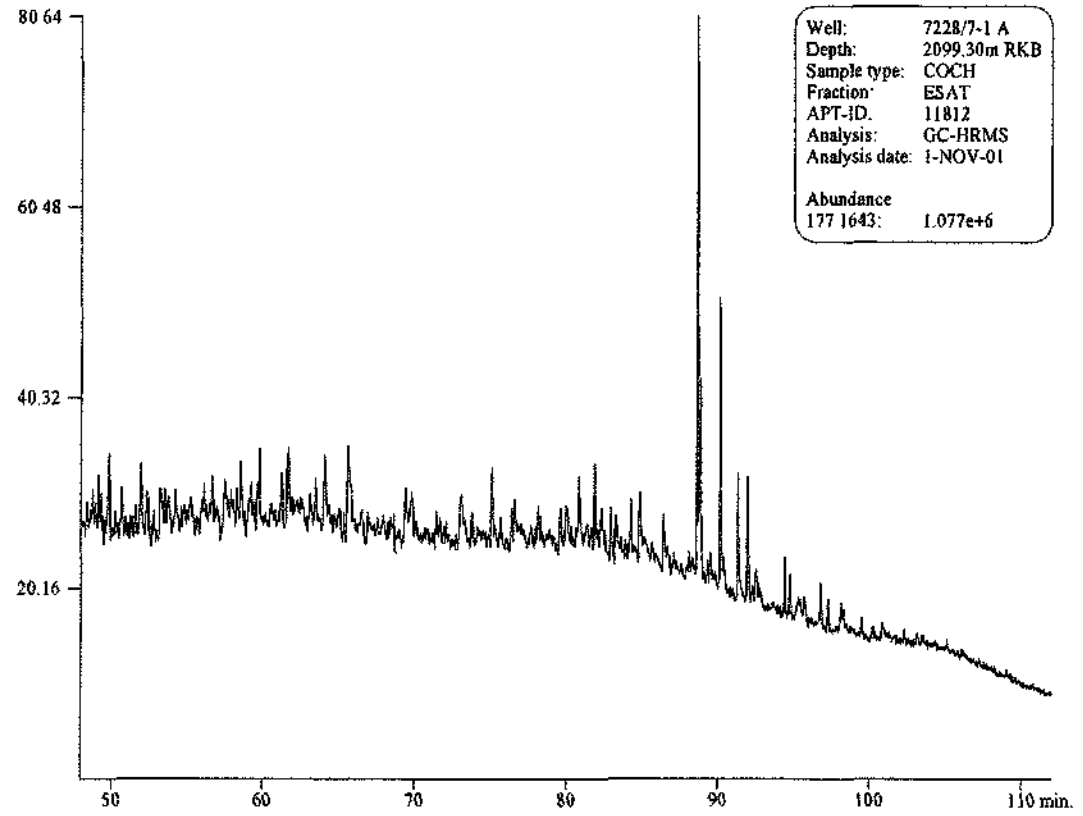

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth: 2098.30m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11811
Analysis: GC-HRMS
Analysis date. 1-NOV-01
Abundance.
217.1956: 6.899e+5

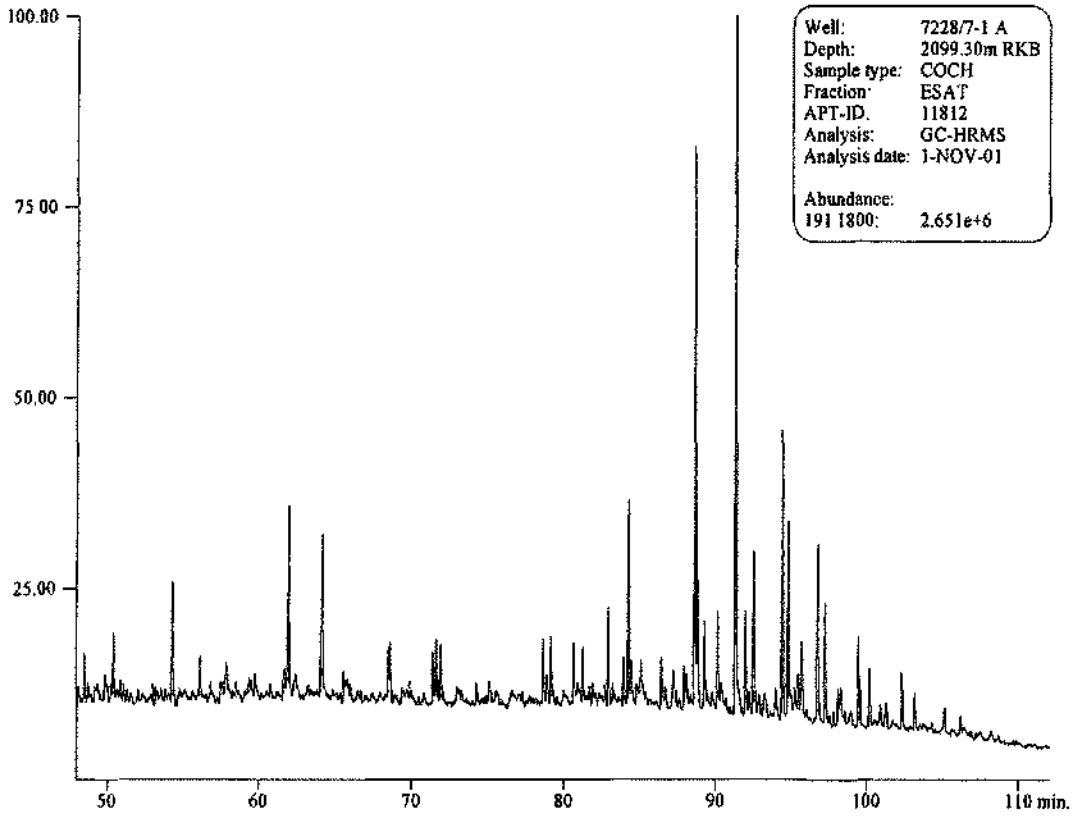

72.17
54.13
36.09
18.04
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth: 2098.30m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11811
Analysis. GC-HRMS
Analysis date. 1-NOV-01
Abundance:
218.2035. 3.058e+5

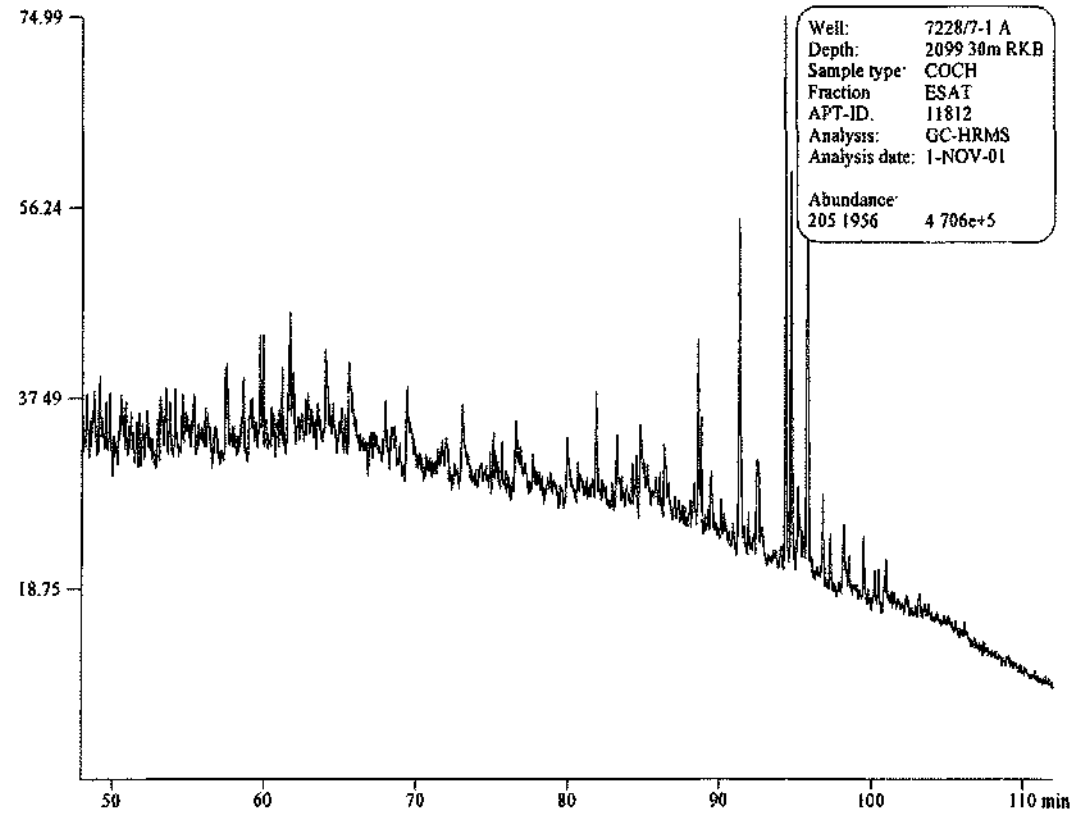

71.72
53.79
35.86
17.93
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth: 2098.30m RKB
Sample type: COCH
Fraction: ESAT
APT-ID. 11811
Analysis: GC-HRMS
Analysis date 1-NOV-01
Abundance:
231.2113: 2.196e+5

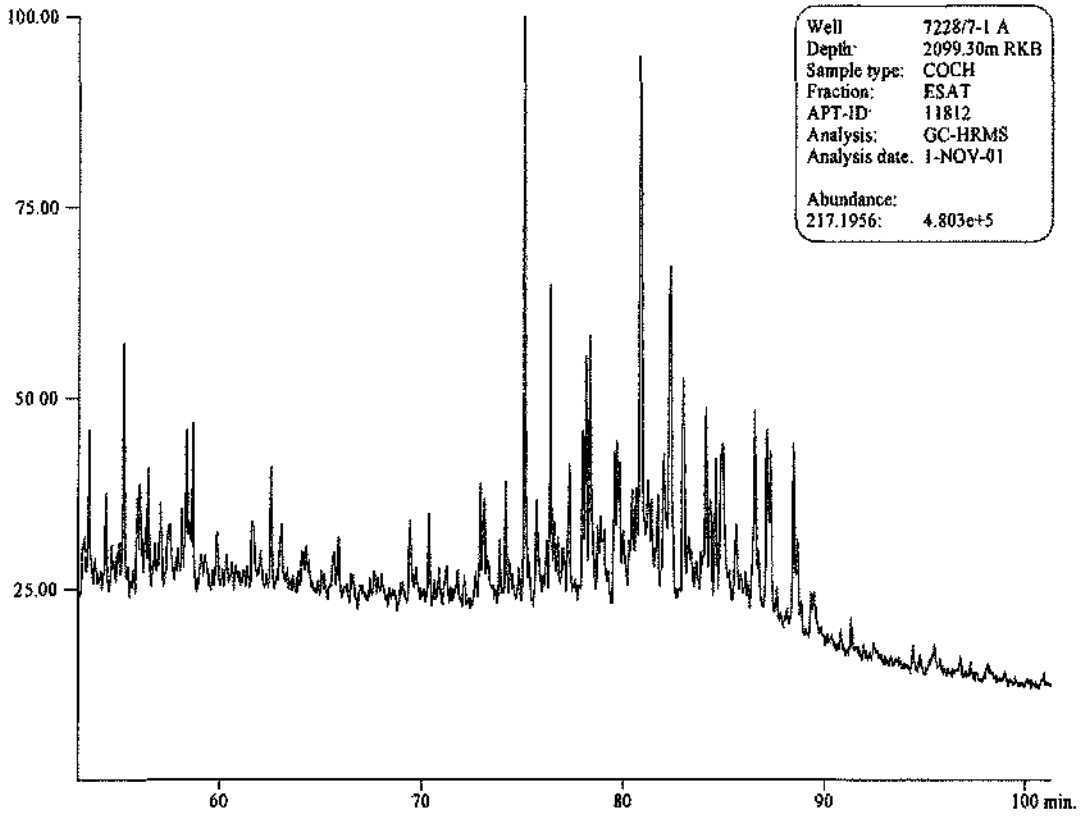

Well. 7228/7-1 A
Depth 2098.30m RKB
Sample type COCH
Fraction ESAT
APT-ID 11811
Analysis GC-HRMS
Analysis date: 1-NOV-01
Abundance
253.1956,253.2895: 6.358e+6
80.00
60.00
40.00
20.00
60
70
80
90
100 min.

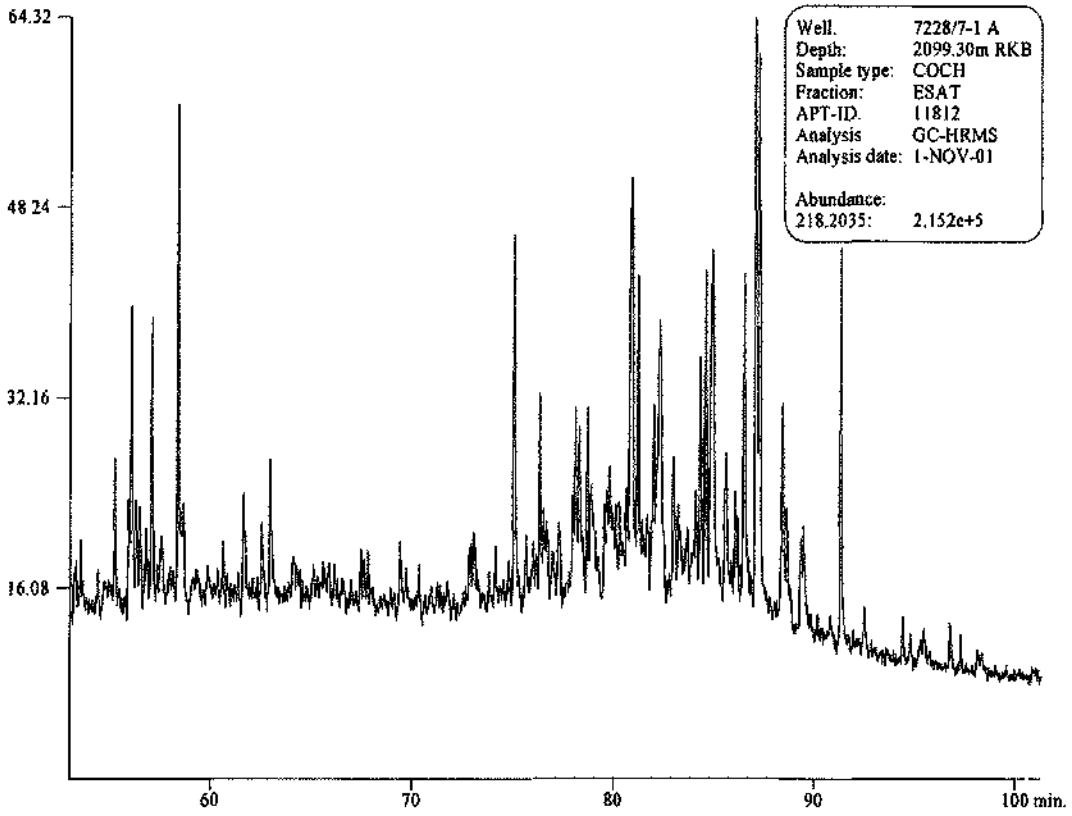

Well: 7228/7-1 A
Depth 2098.30m RKB
Sample type: COCH
Fraction: ESAT
APT-ID. 11811
Analysis: GC-HRMS
Analysis date. 1-NOV-01
Abundance:
259.2426: 4.678e+5
100.00
75.00
50.00
25.00
60
70
80
90
100 min.

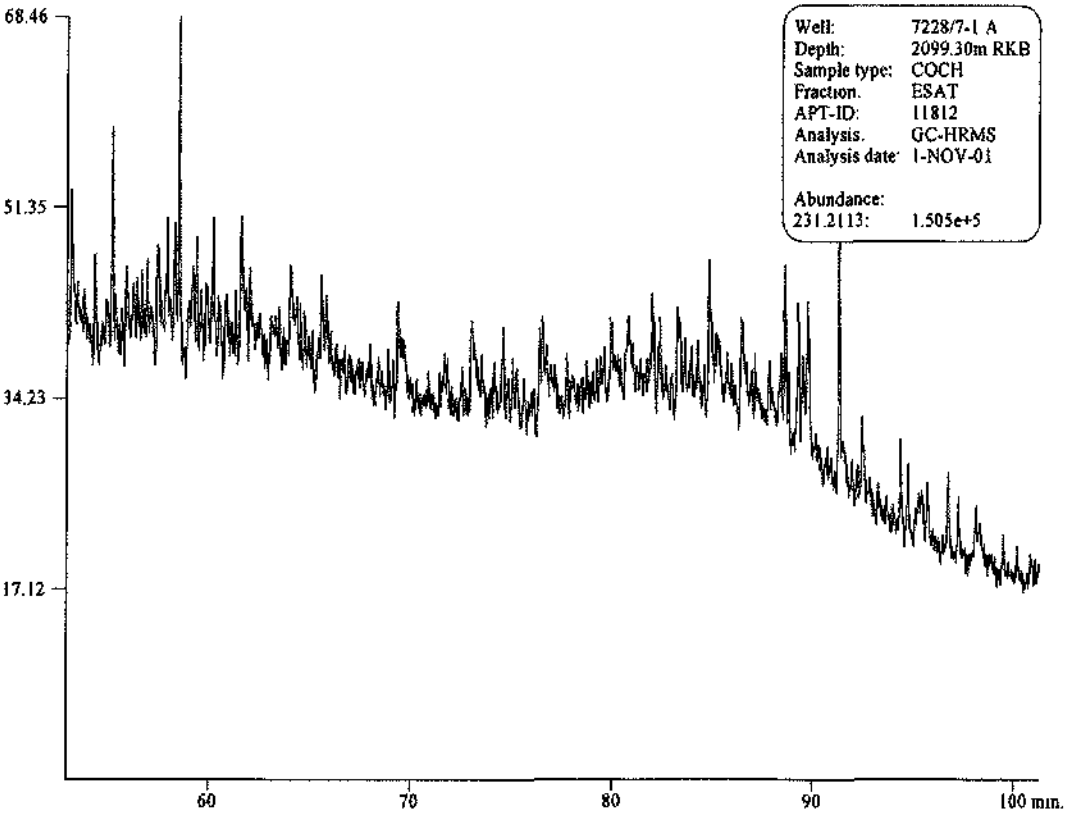

80.64
60.48
40.32
20.16
50
60
70
80
90
100
110 min.
Well: 7228/7-1 A
Depth: 2099.30m RKB
Sample type: COCH
Fraction: ESAT
APT-ID. 11812
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance
177 1643: 1.077e+6

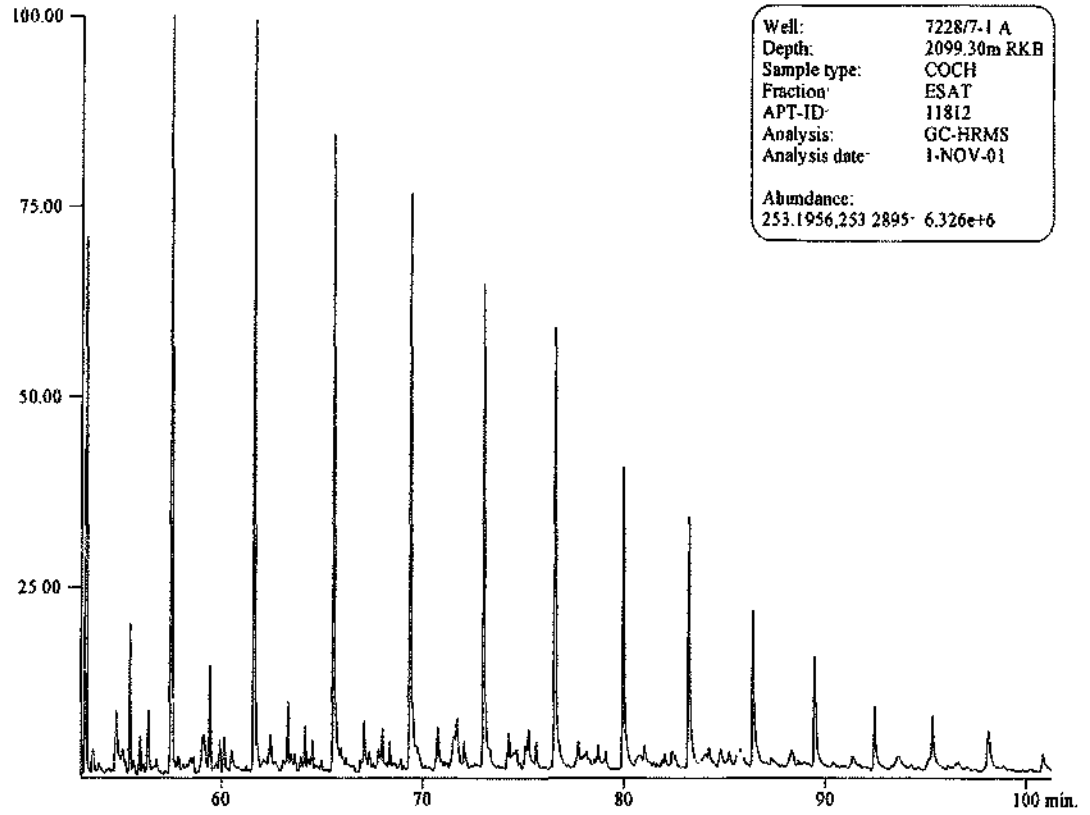

100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min.
Well: 7228/7-1 A
Depth: 2099.30m RKB
Sample type: COCH
Fraction: ESAT
APT-ID. 11812
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance:
191 1800: 2.651e+6

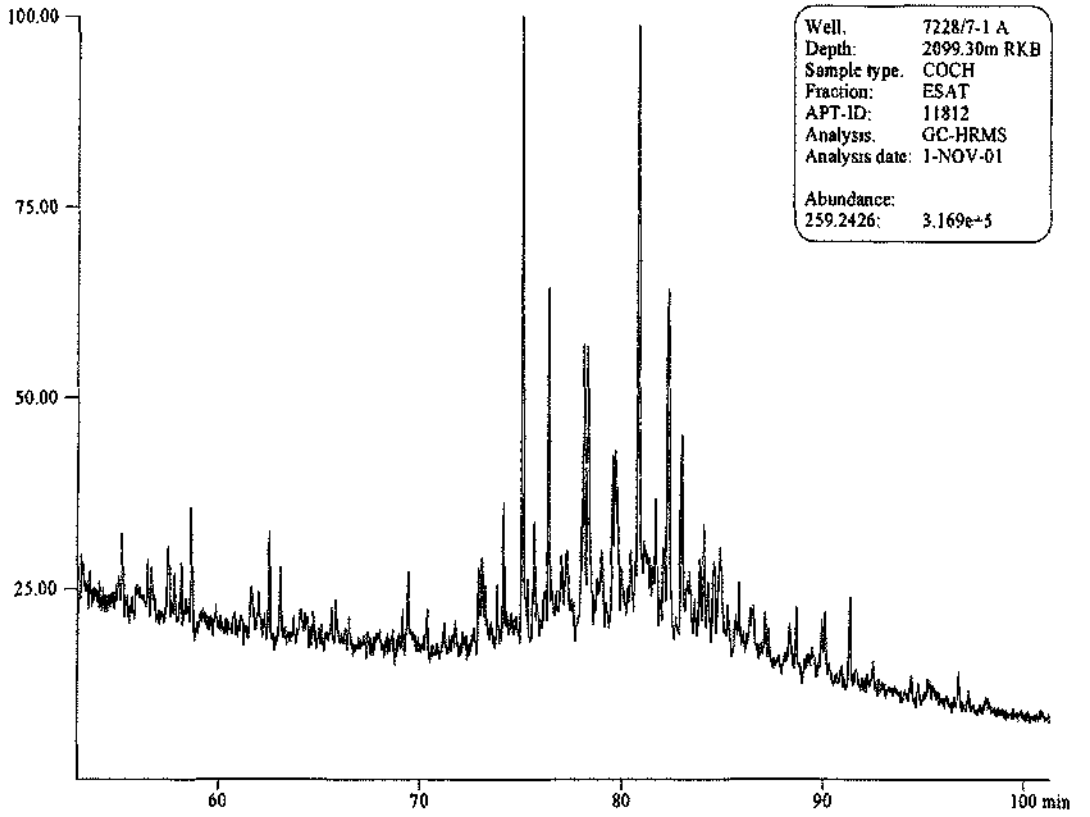

74.99
56.24
37.49
18.75
50
60
70
80
90
100
110 min
Well: 7228/7-1 A
Depth: 2099.30m RKB
Sample type: COCH
Fraction ESAT
APT-ID. 11812
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance
205.1956 4.706e+5

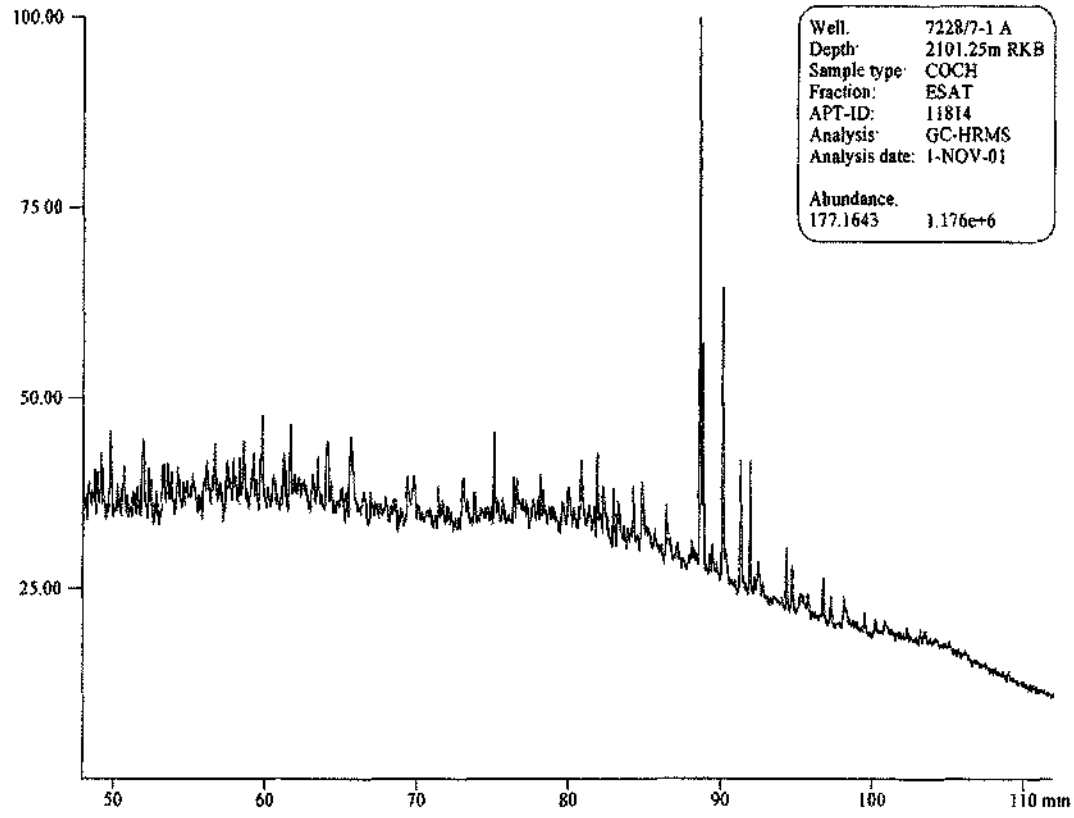

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Well 7228/7-1 A
Depth 2099.30m RKB
Sample type: COCH
Fraction: ESAT
APT-ID 11812
Analysis: GC-HRMS
Analysis date. 1-NOV-01
Abundance:
217.1956: 4.803e+5

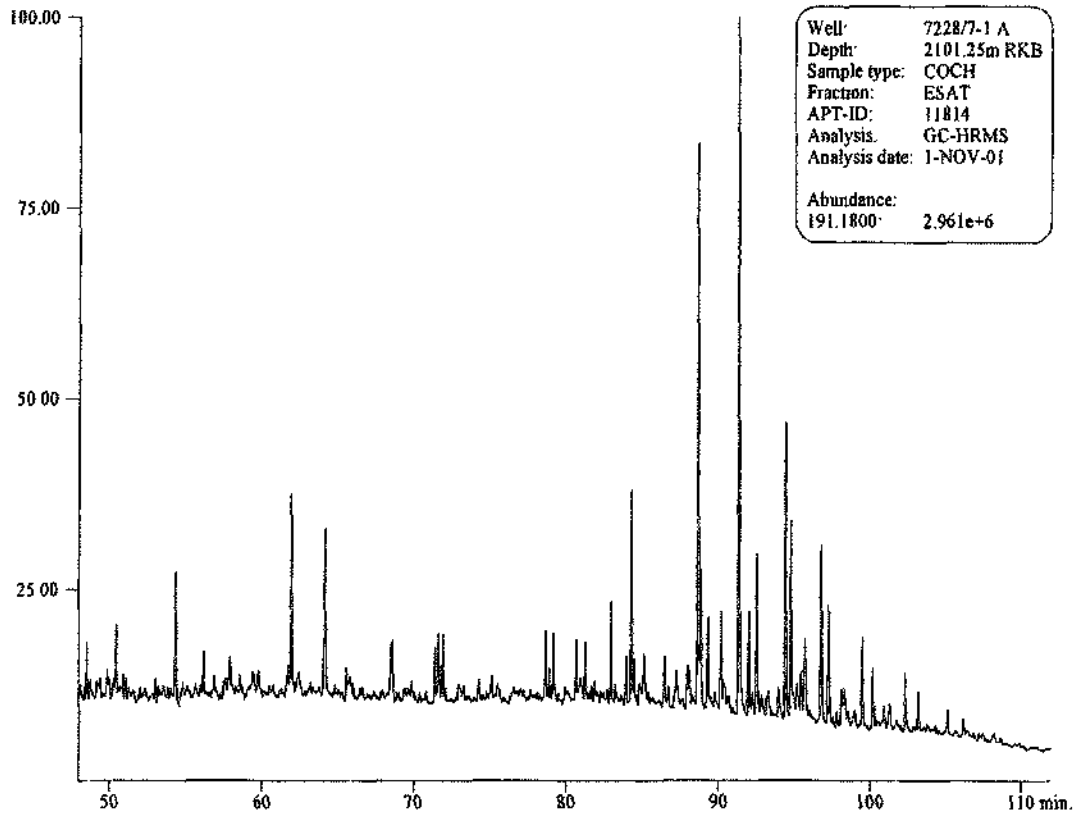

64.32
48.24
32.16
16.08
60
70
80
90
100 min.
Well. 7228/7-1 A
Depth: 2099.30m RKB
Sample type: COCH
Fraction: ESAT
APT-ID. 11812
Analysis GC-HRMS
Analysis date: 1-NOV-01
Abundance:
218.2035: 2.152e+5

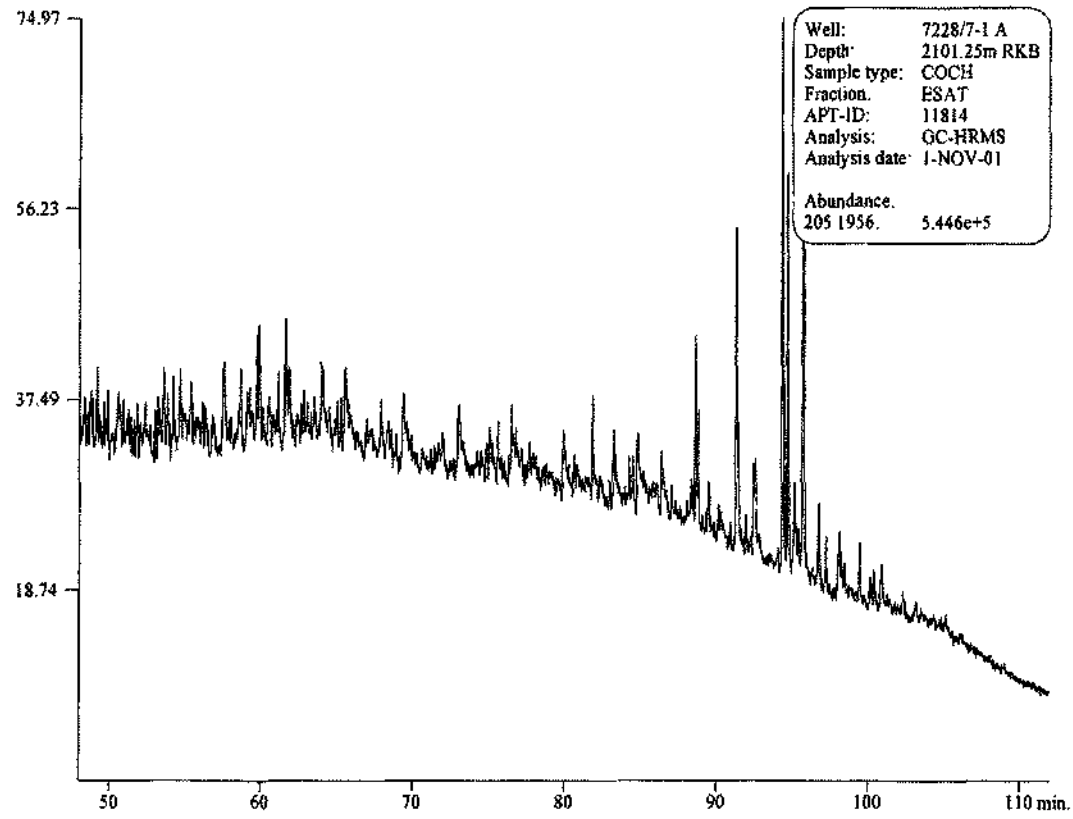

68.46
51.35
34.23
17.12
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth: 2099.30m RKB
Sample type: COCH
Fraction. ESAT
APT-ID: 11812
Analysis. GC-HRMS
Analysis date: 1-NOV-01
Abundance:
231.2113: 1.505e+5

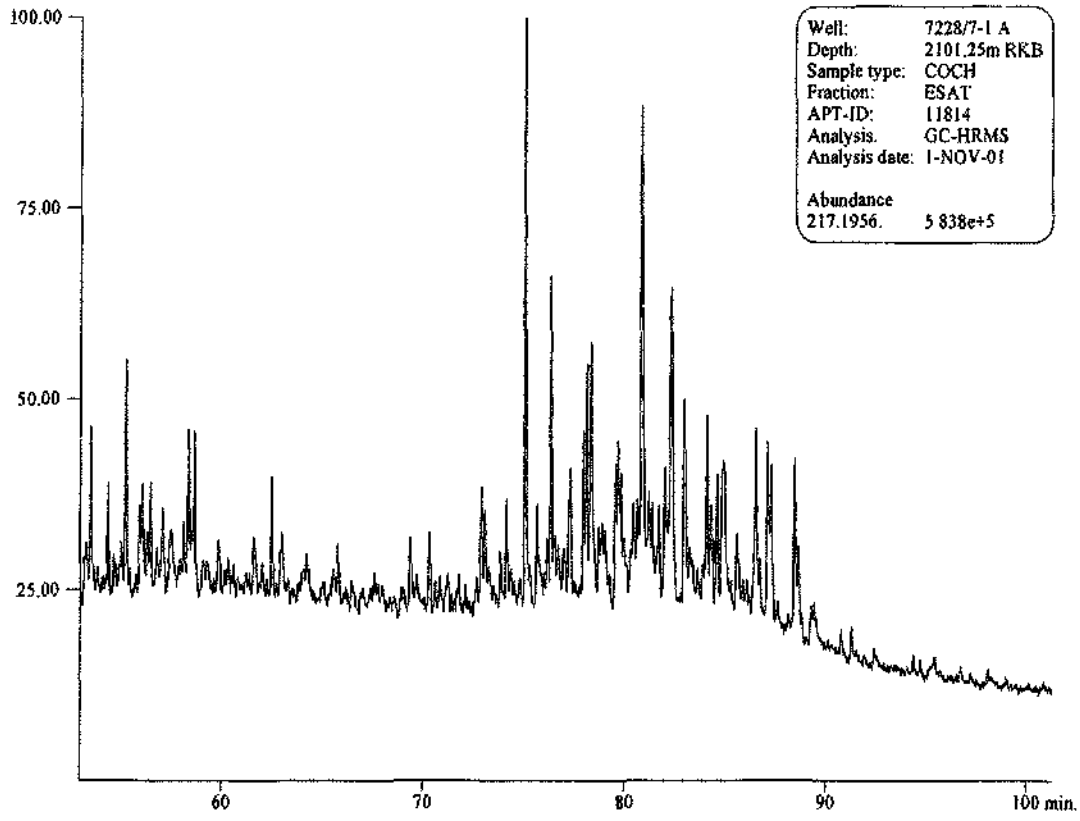

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth: 2099.30m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11812
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance:
253.1956,253.2895: 6.326e+6

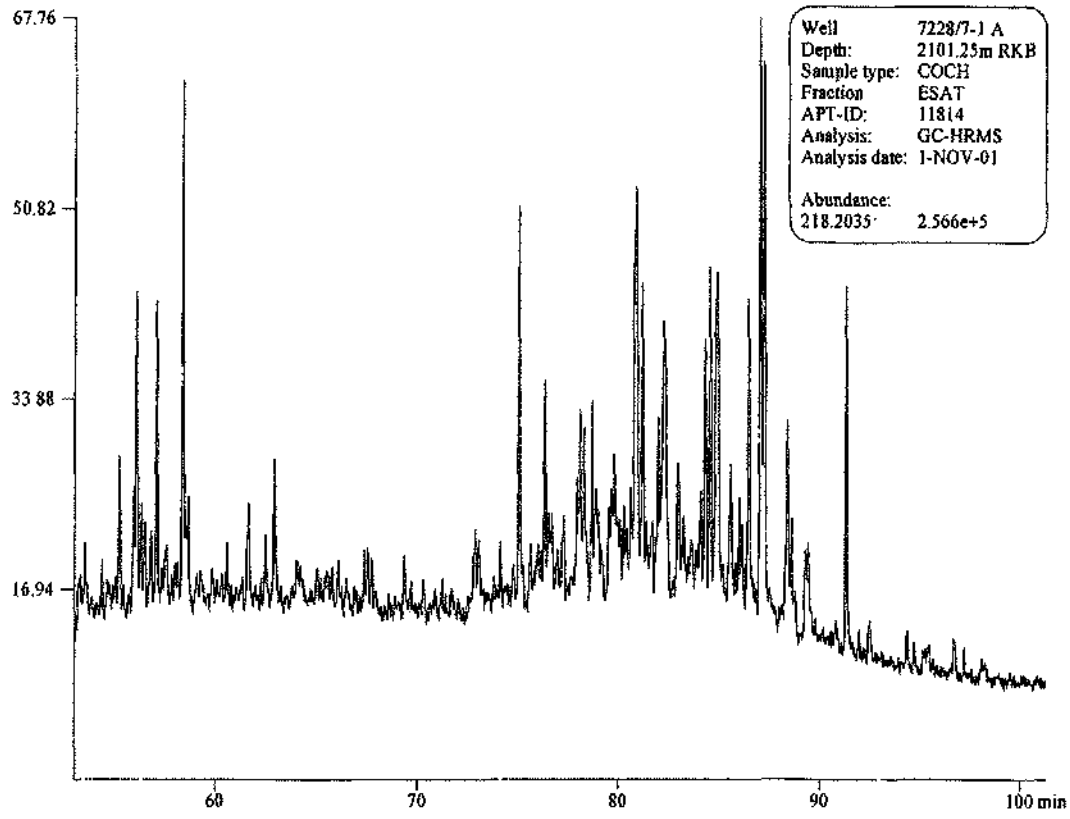

100.00
75.00
50.00
25.00
60
70
80
90
100 min
Well: 7228/7-1 A
Depth: 2099.30m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11812
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance:
259.2426: 3.169e+5

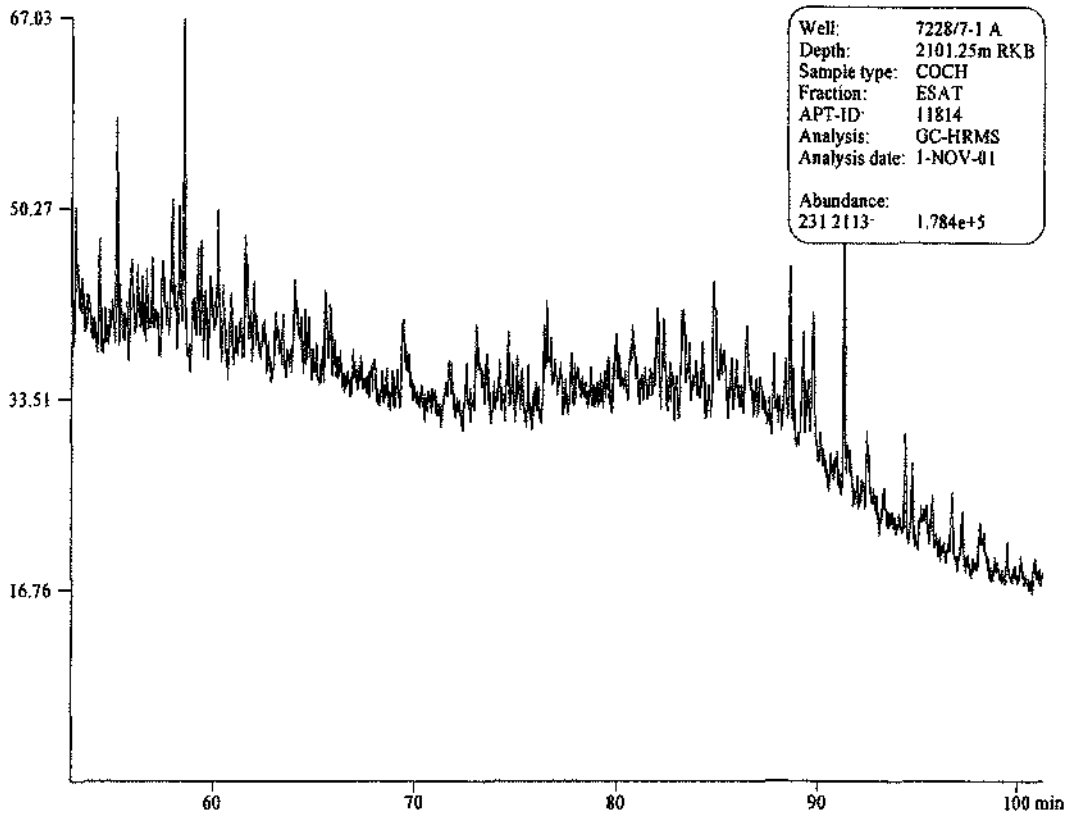

Well: 7228/7-1 A
Depth: 2101.25m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11814
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance
177.1643 1.176e+6
100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min

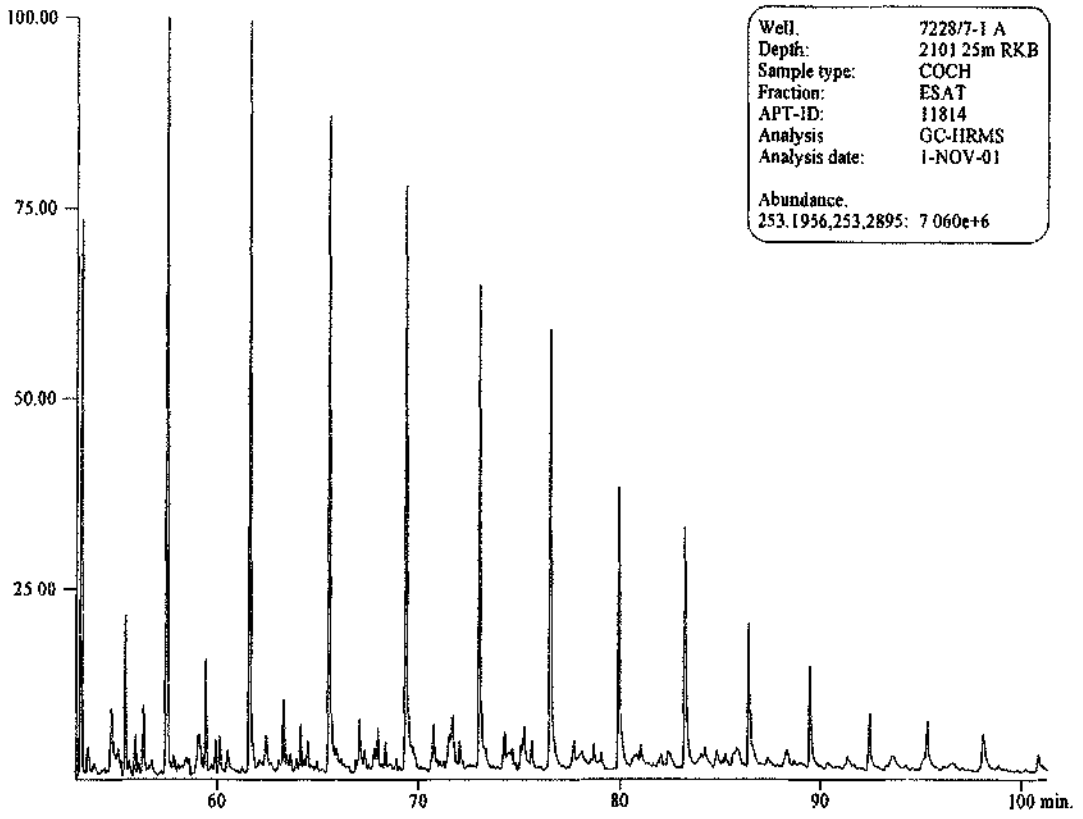

Well: 7228/7-1 A
Depth: 2101.25m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11814
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance:
191.1800 2.961e+6
100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min.

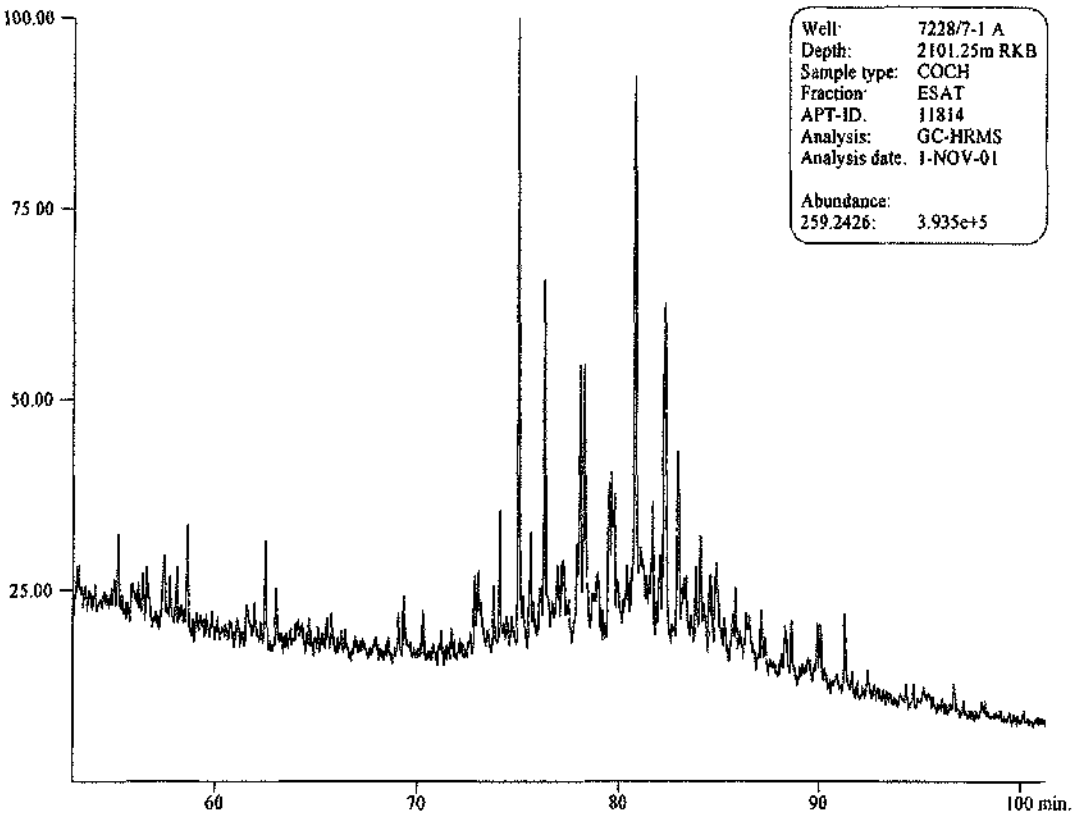

74.97
56.23
37.49
18.74
50
60
70
80
90
100
110 min.
Well: 7228/7-1 A
Depth: 2101.25m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11814
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance
205 1956. 5.446e+5

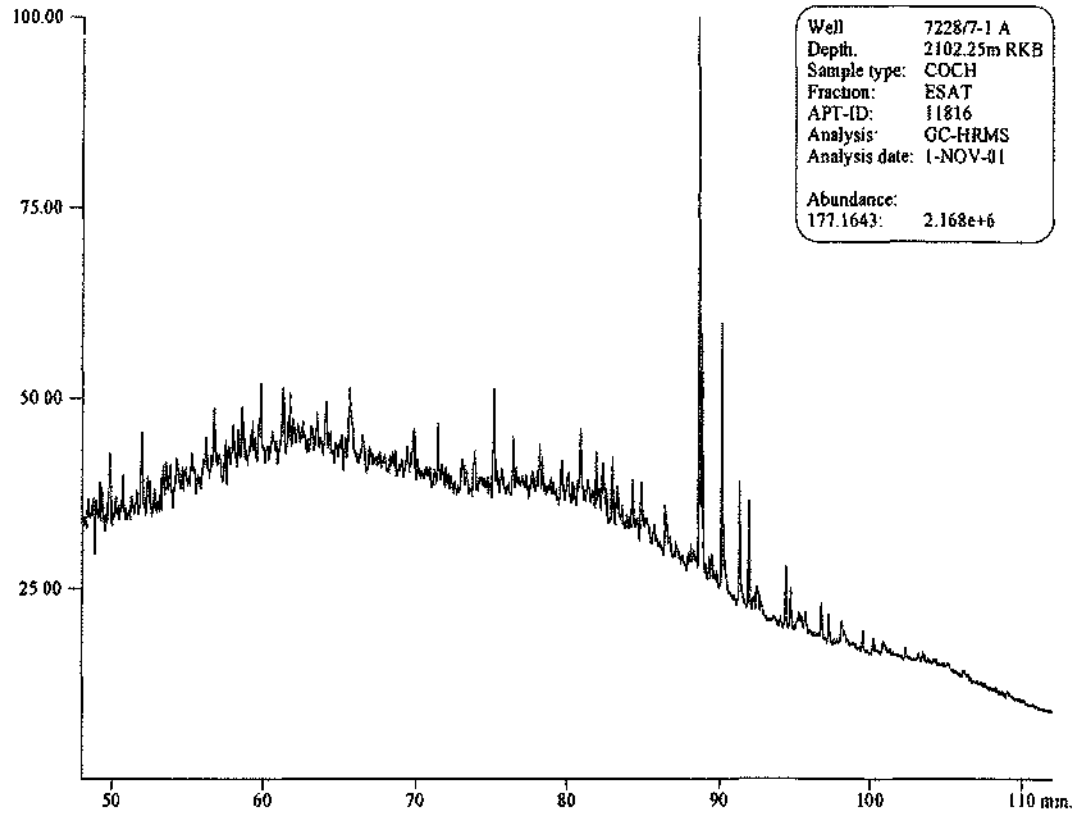

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth: 2101.25m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11814
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance
217.1956. 5.838e+5

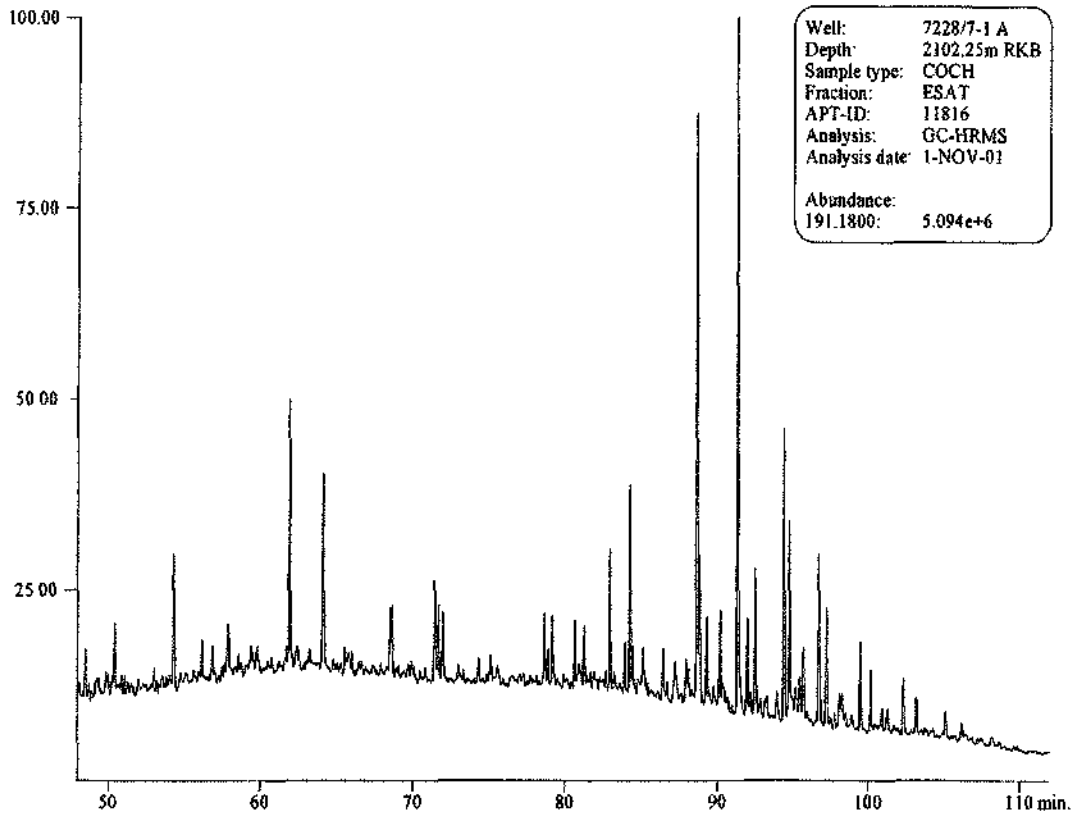

67.76
50.82
33.88
16.94
60
70
80
90
100 min
Well 7228/7-1 A
Depth: 2101.25m RKB
Sample type: COCH
Fraction ESAT
APT-ID: 11814
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance:
218.2035 2.566e+5

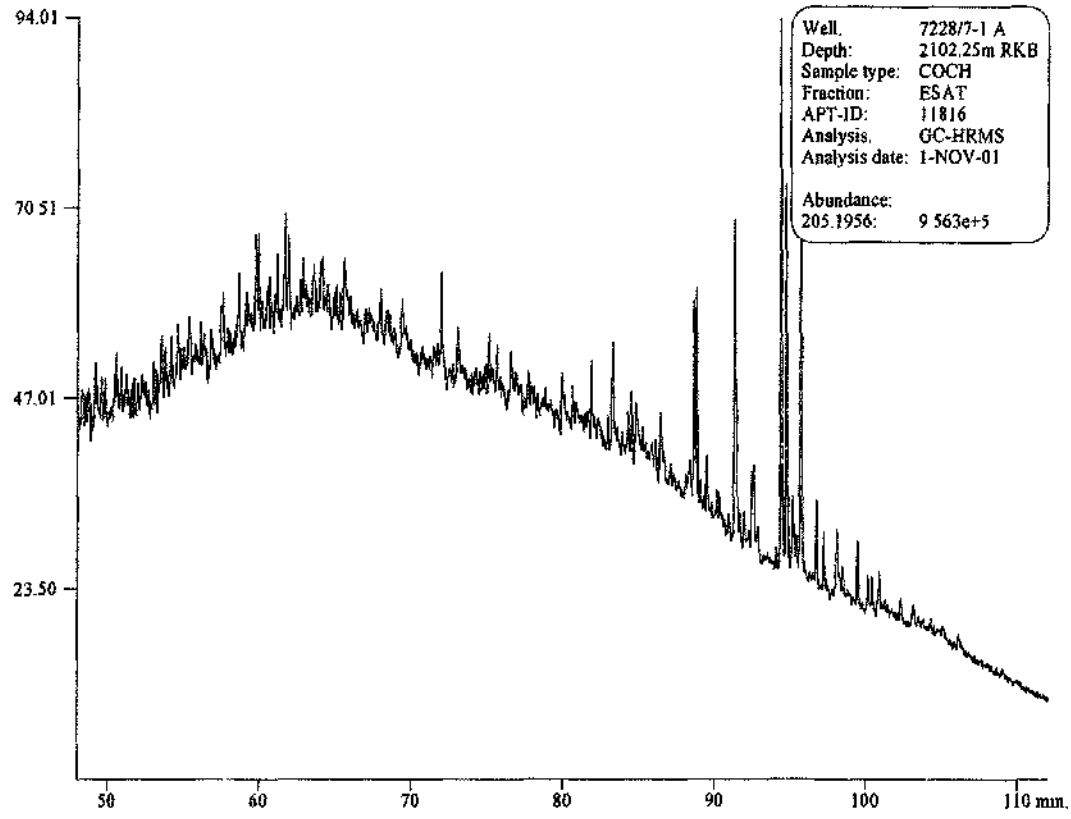

67.03
50.27
33.51
16.76
60
70
80
90
100 min
Well: 7228/7-1 A
Depth: 2101.25m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11814
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance:
231.2113 1.784e+5

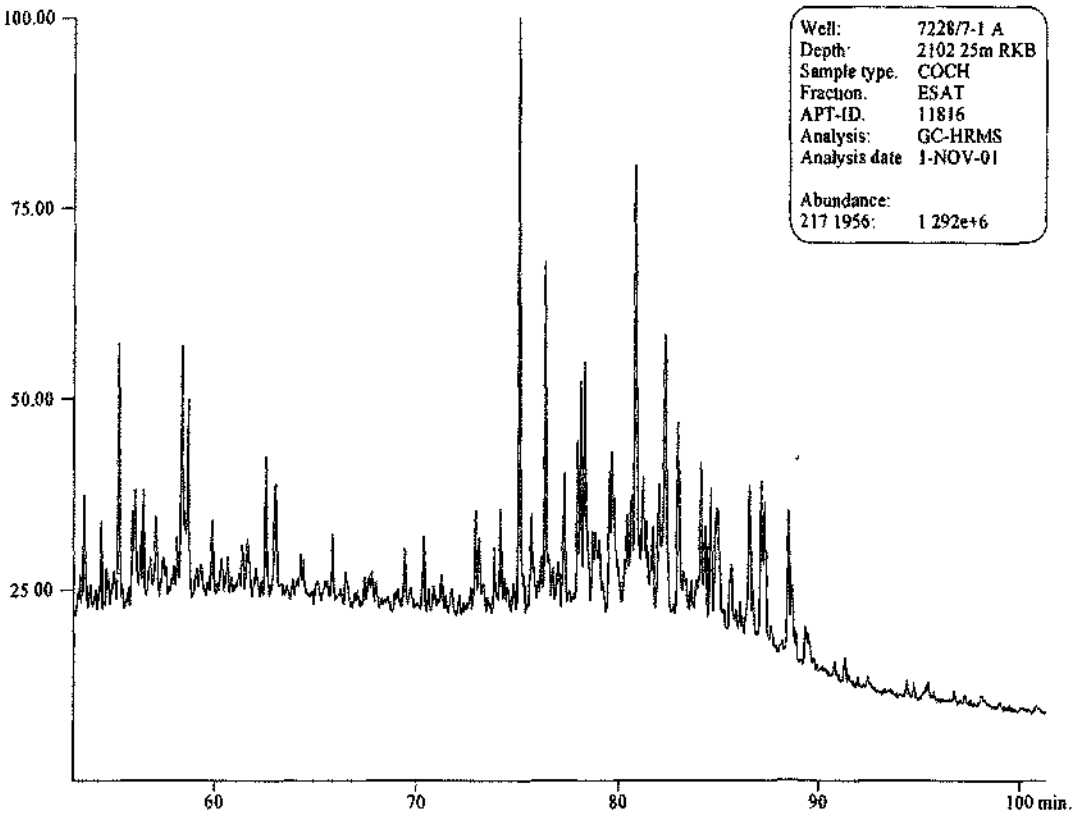

Well: 7228/7-1 A
Depth: 2101.25m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11814
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance:
253.1956,253.2895: 7.060e+6
100.00
75.00
50.00
25.00
60
70
80
90
100 min.

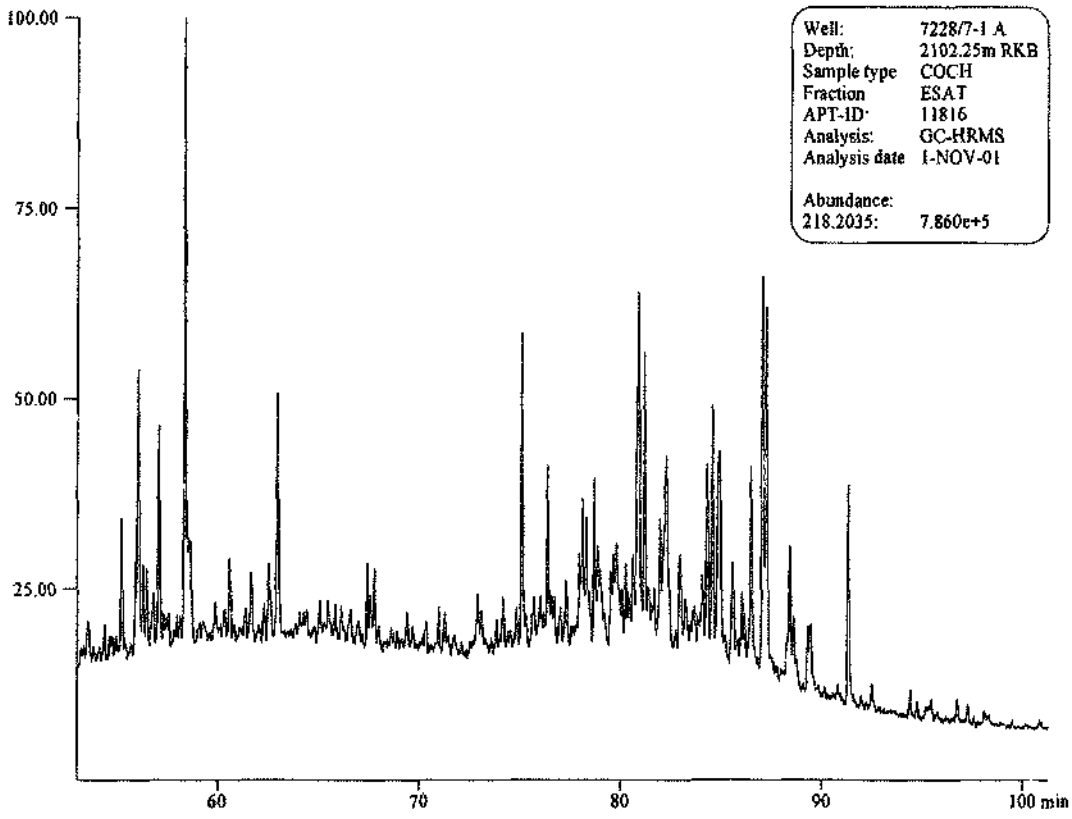

Well: 7228/7-1 A
Depth: 2101.25m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11814
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance:
259.2426: 3.935e+5
100.00
75.00
50.00
25.00
60
70
80
90
100 min.

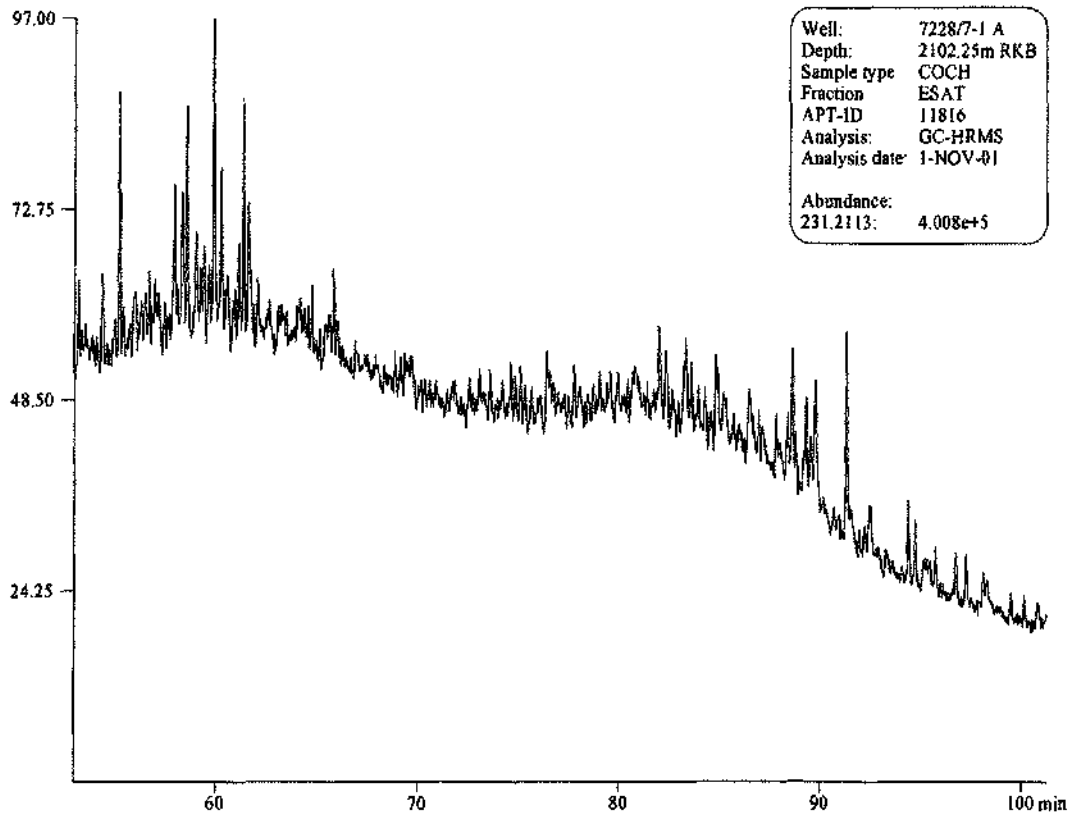

100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min.
Well 7228/7-1 A
Depth. 2102.25m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11816
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance:
177.1643: 2.168e+6

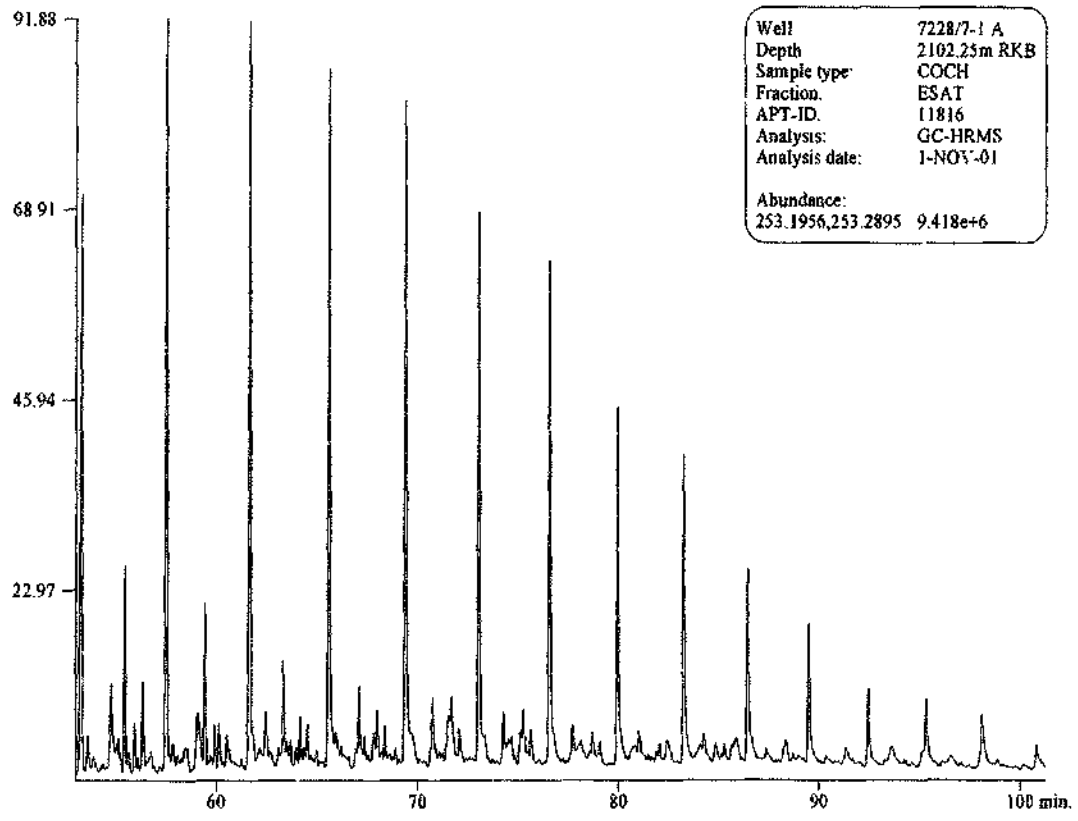

100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min.
Well: 7228/7-1 A
Depth: 2102.25m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11816
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance:
191.1800: 5.094e+6

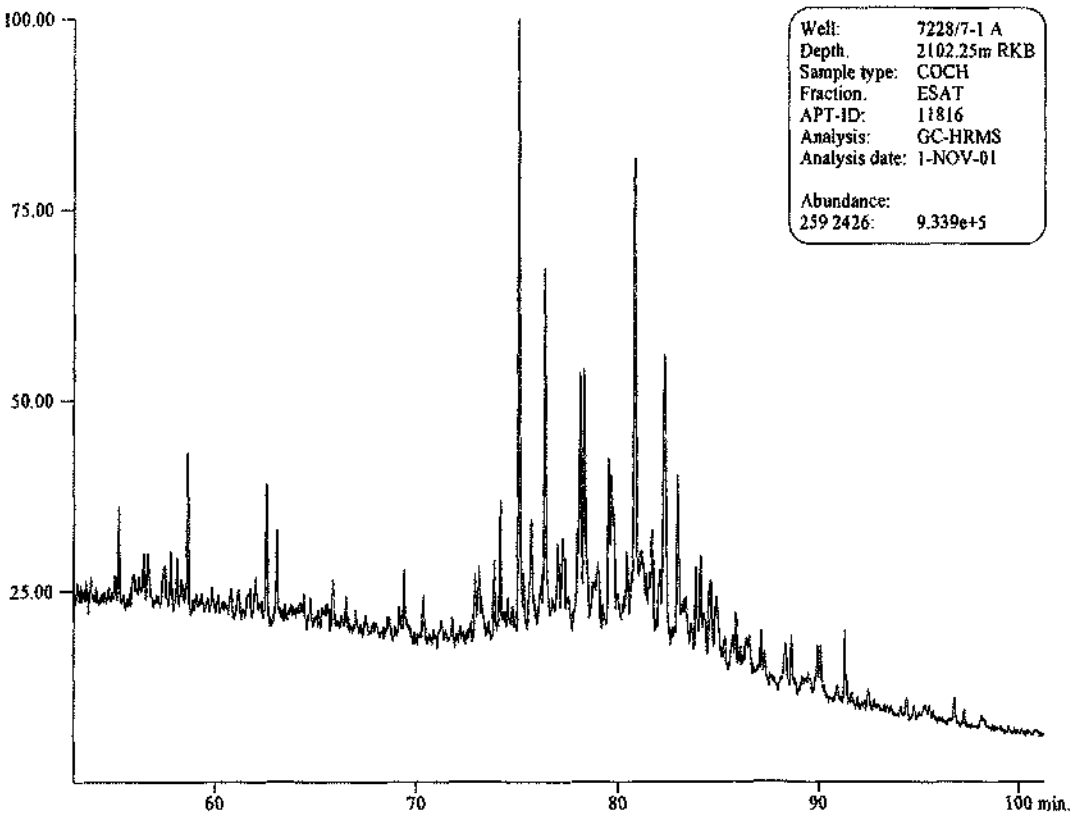

Well: 7228/7-1 A
Depth: 2102.25m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11816
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance:
205.1956: 9.563e+5
94.01
70.51
47.01
23.50
50
60
70
80
90
100
110 mm.

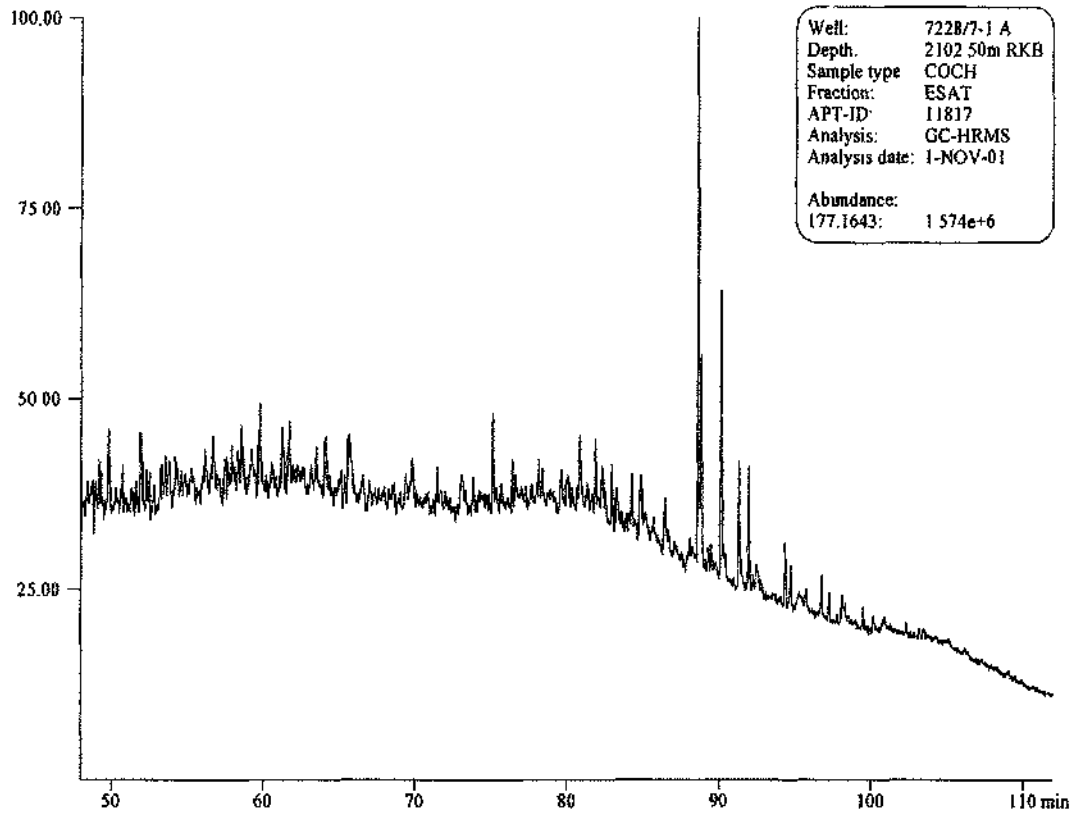

Well: 7228/7-1 A
Depth: 2102.25m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11816
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance:
217.1956: 1.292e+6
100.00
75.00
50.00
25.00
60
70
80
90
100 min.

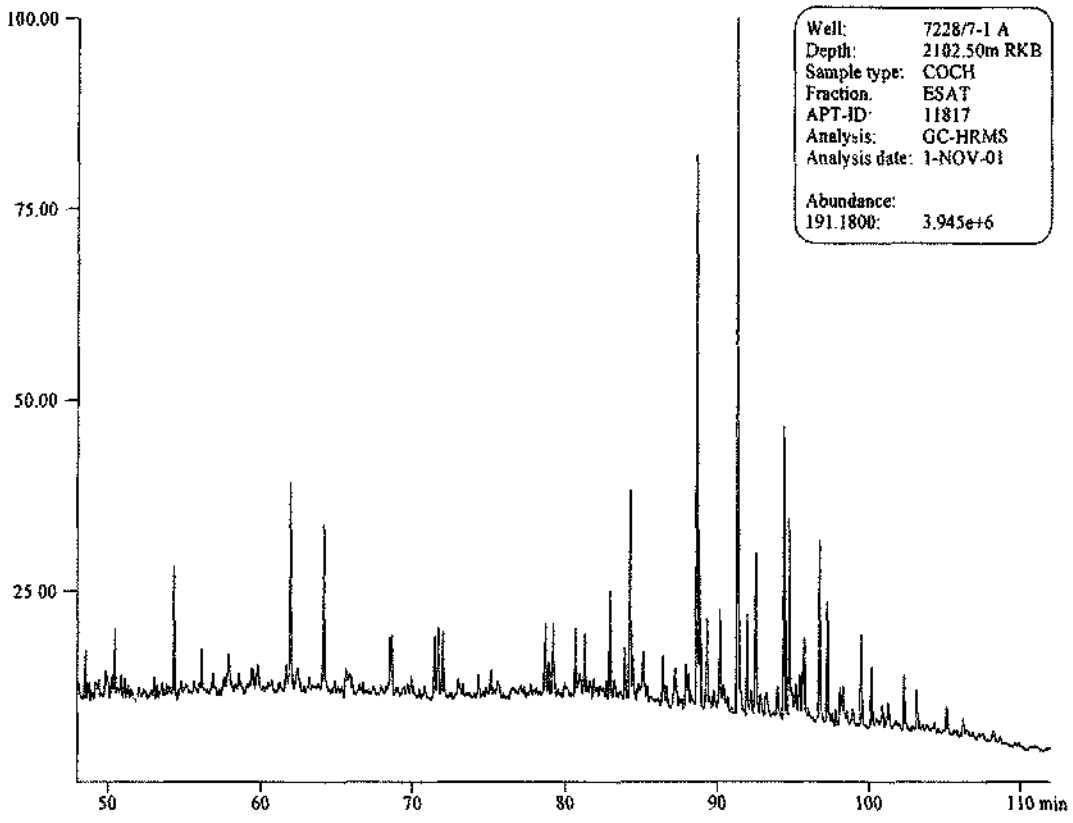

100.00
75.00
50.00
25.00
60
70
80
90
100 min
Well: 7228/7-1 A
Depth: 2102.25m RKB
Sample type COCH
Fraction ESAT
APT-ID 11816
Analysis: GC-HRMS
Analysis date 1-NOV-01
Abundance:
218.2035: 7.860e+5

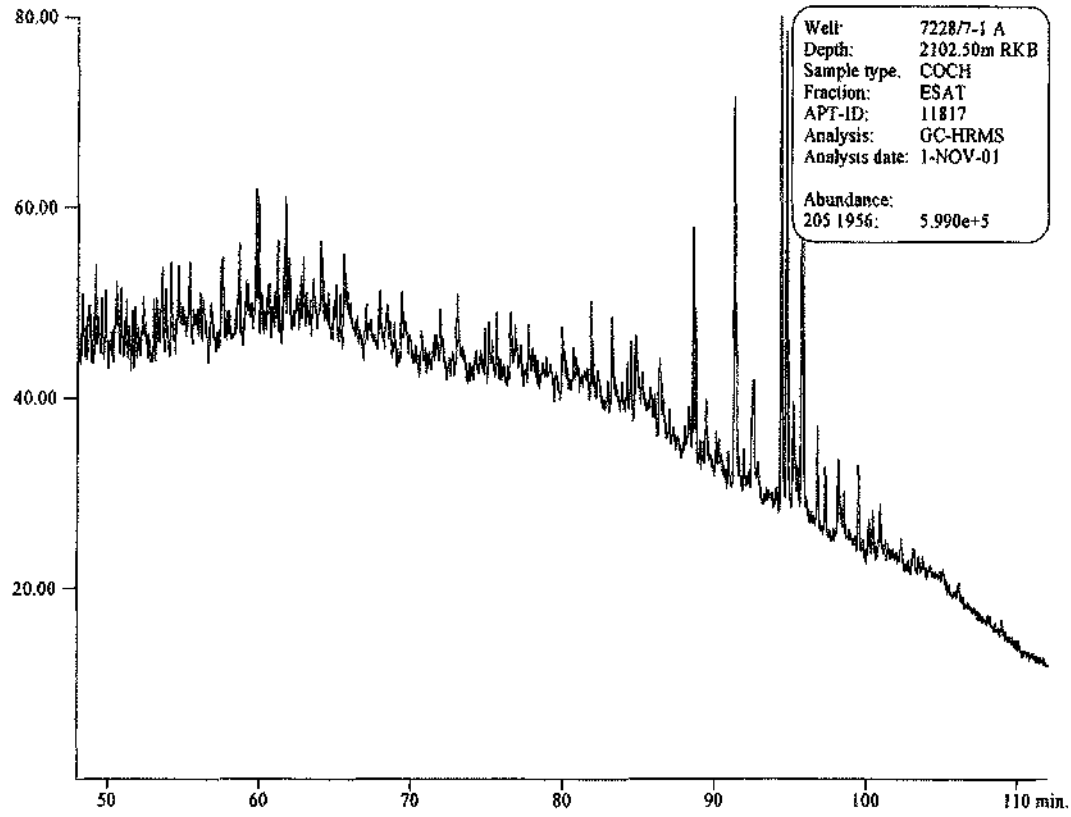

97.00
72.75
48.50
24.25
60
70
80
90
100 min
Well: 7228/7-1 A
Depth: 2102.25m RKB
Sample type COCH
Fraction ESAT
APT-ID 11816
Analysis: GC-HRMS
Analysis date 1-NOV-01
Abundance:
231.2113: 4.008e+5

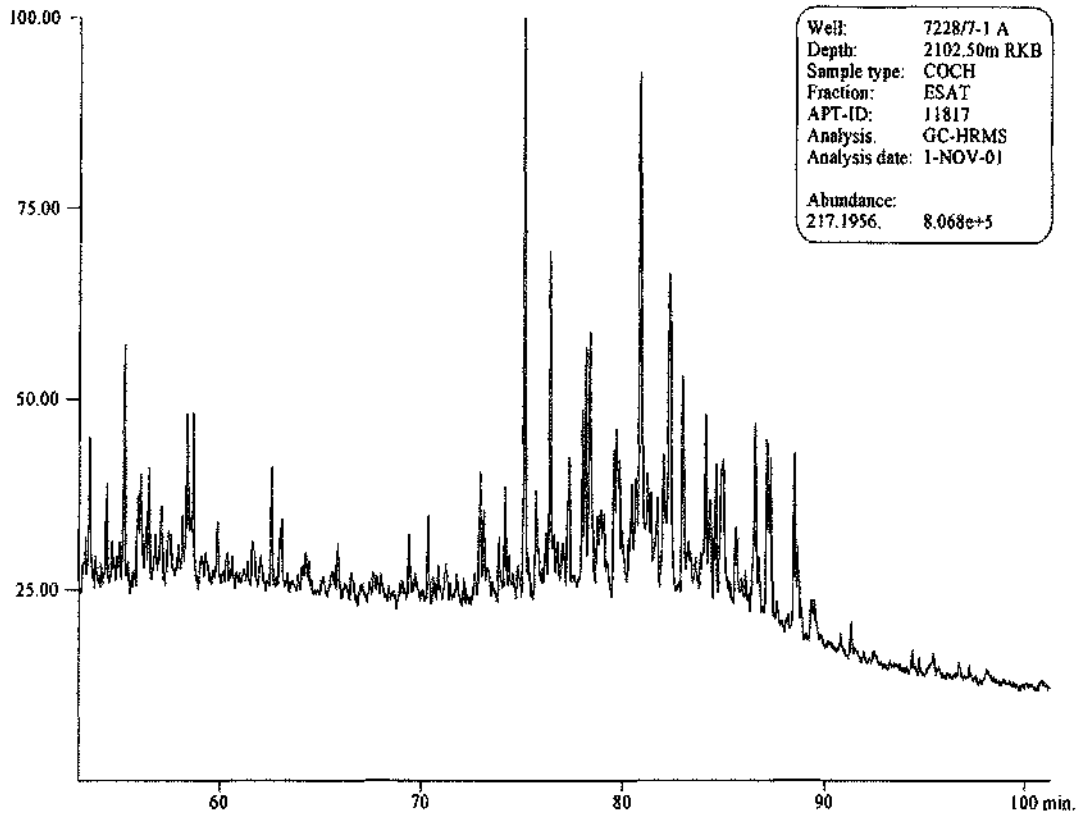

91.88
68.91
45.94
22.97
60
70
80
90
100 min.
Well 7228/7-1 A
Depth 2102.25m RKB
Sample type COCH
Fraction. ESAT
APT-ID. 11816
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance:
253.1956,253.2895 9.418e+6

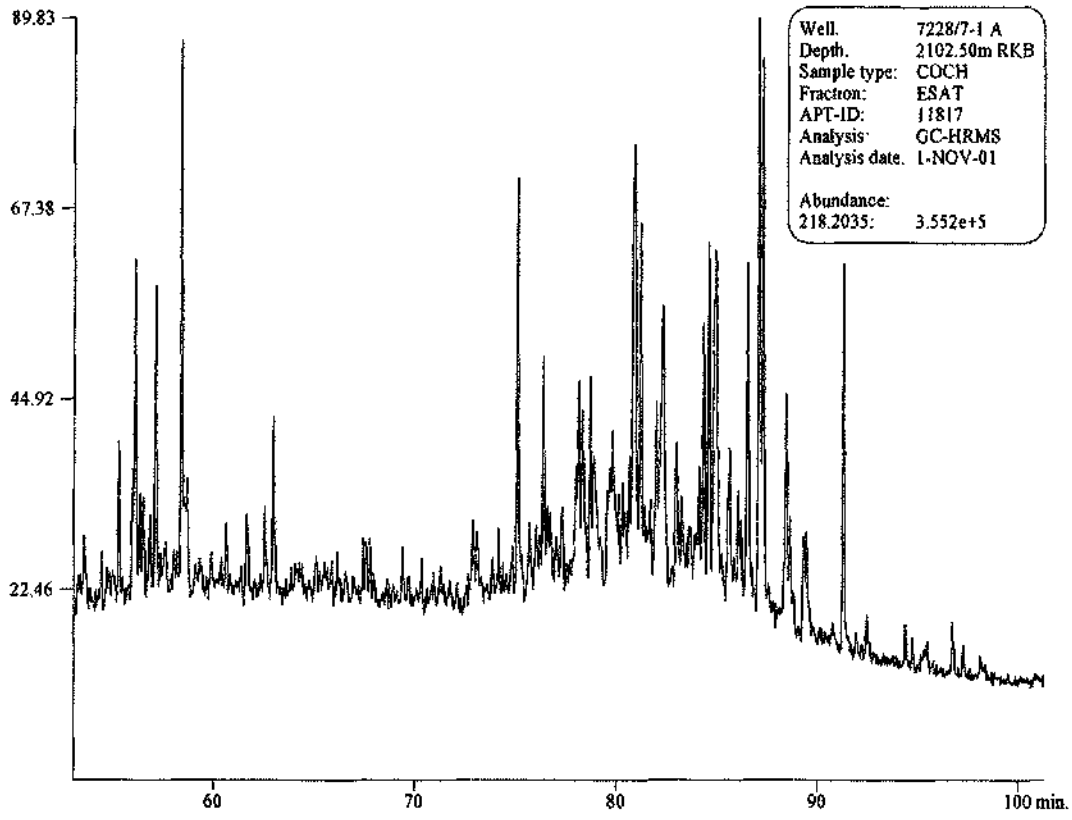

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth. 2102.25m RKB
Sample type: COCH
Fraction. ESAT
APT-ID: 11816
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance:
259.2426: 9.339e+5

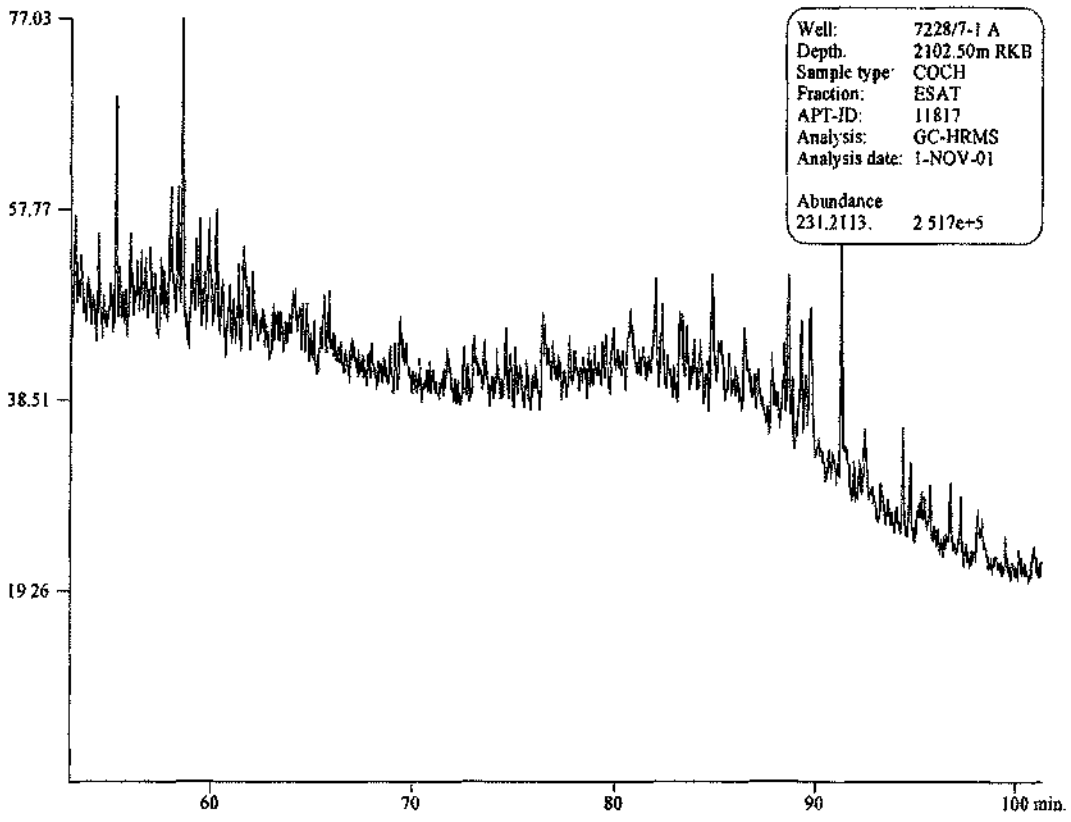

Well: 7228/7-1 A
Depth: 2102 50m RKB
Sample type COCH
Fraction: ESAT
APT-ID: 11817
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance:
177.1643: 1 574e+6
100.00
75 00
50 00
25.00
50
60
70
80
90
100
110 min

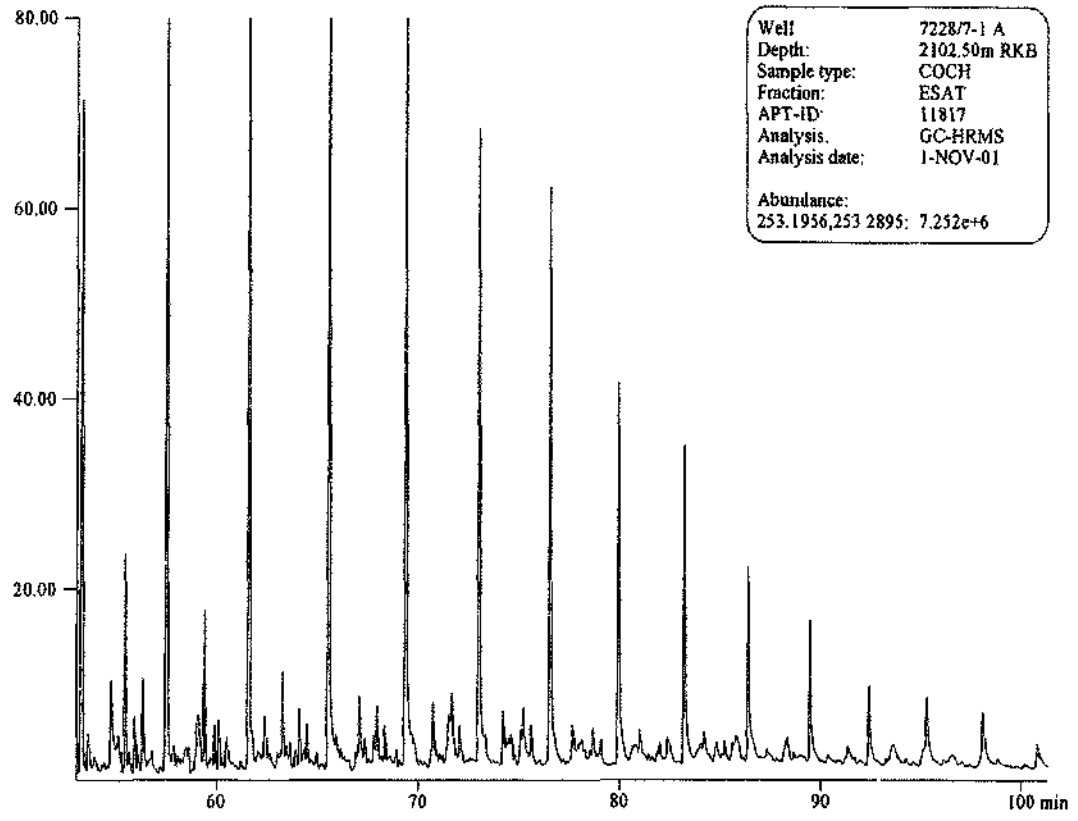

Well: 7228/7-1 A
Depth: 2102.50m RKB
Sample type: COCH
Fraction. ESAT
APT-ID: 11817
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance:
191.1800: 3.945e+6
100.00
75.00
50.00
25 00
50
60
70
80
90
100
110 min

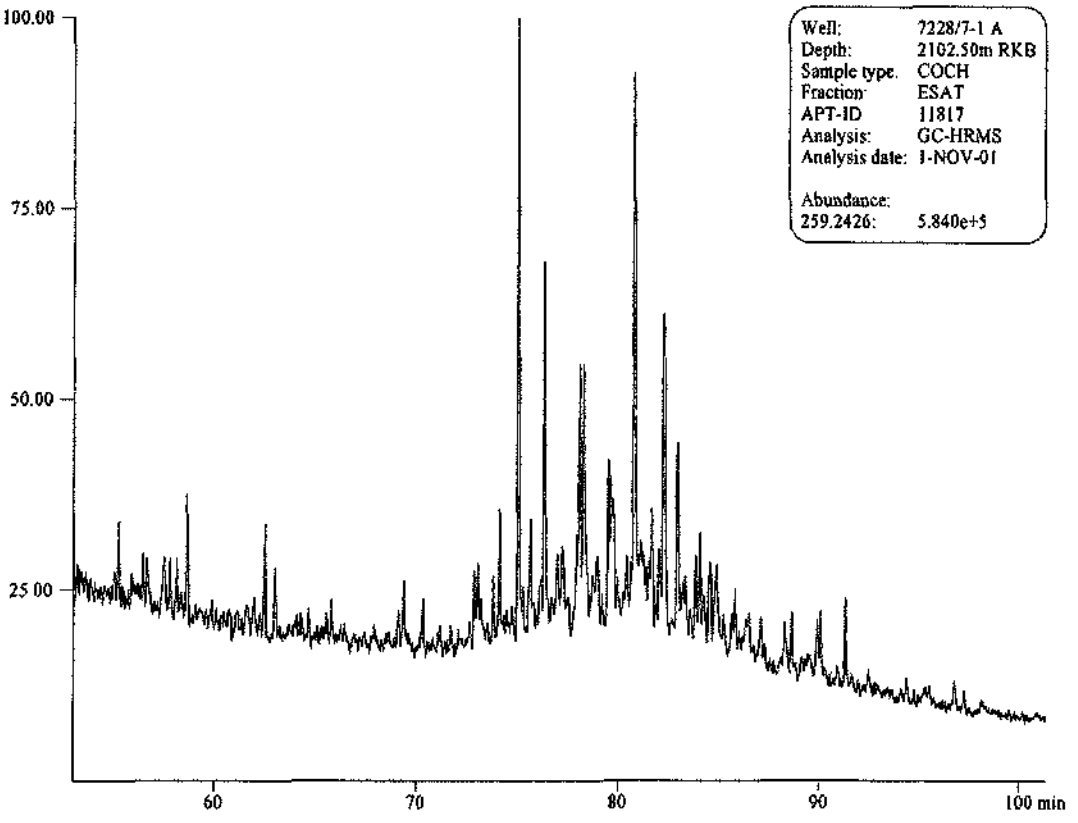

Well: 7228/7-1 A
Depth: 2102.50m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11817
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance:
205 1956: 5.990e+5
80.00
60.00
40.00
20.00
50
60
70
80
90
100
110 min.

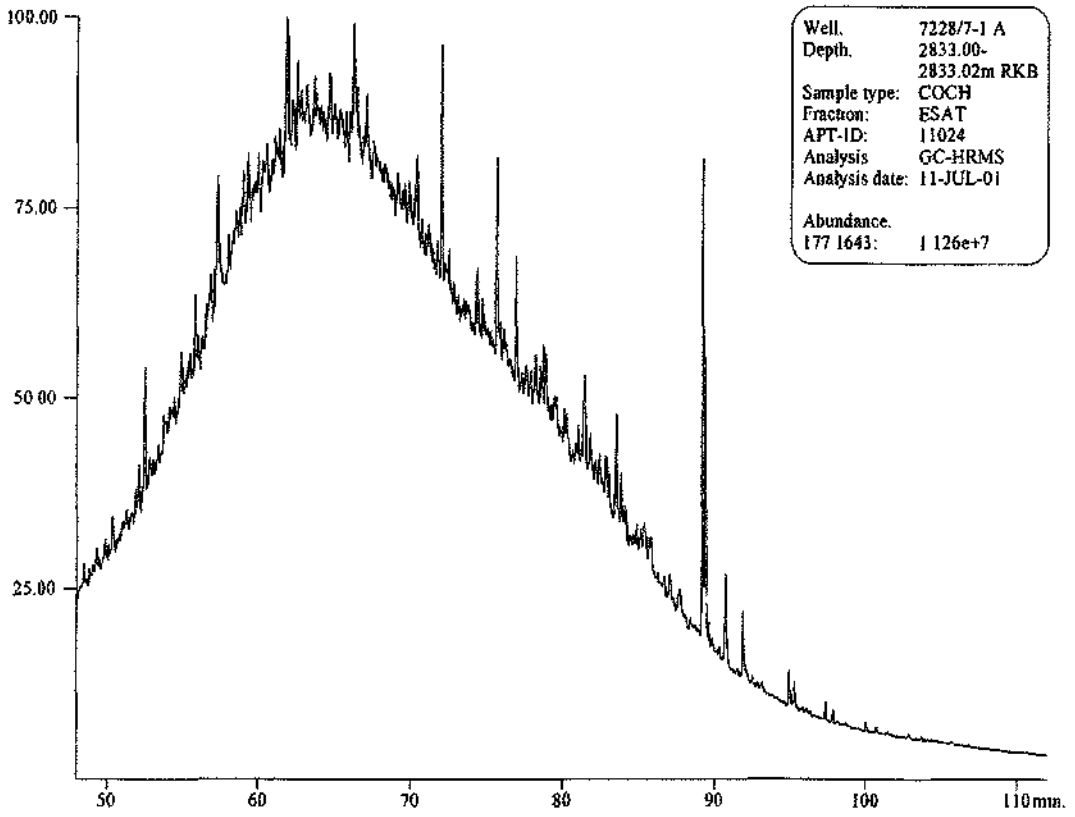

Well: 7228/7-1 A
Depth: 2102.50m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11817
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance:
217.1956: 8.068e+5
100.00
75.00
50.00
25.00
60
70
80
90
100 min.

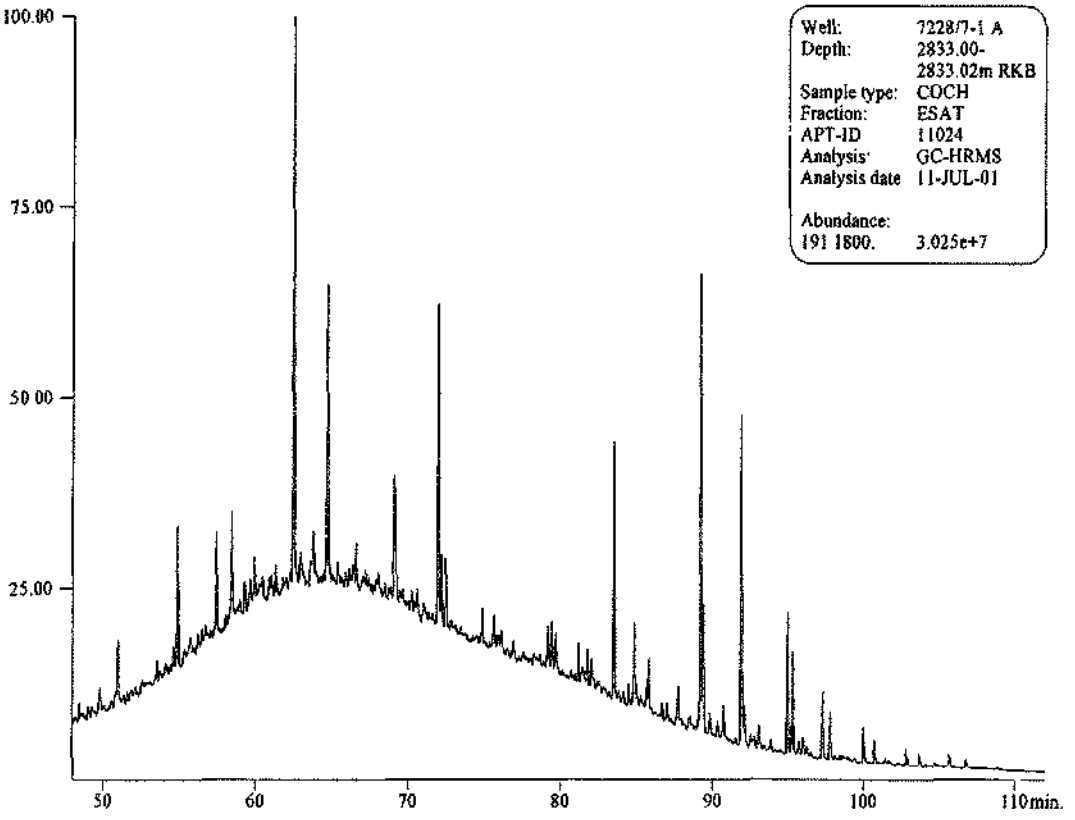

89.83
67.38
44.92
22.46
60
70
80
90
100 min.
Well. 7228/7-1 A
Depth. 2102.50m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11817
Analysis: GC-HRMS
Analysis date. 1-NOV-01
Abundance:
218.2035: 3.552e+5

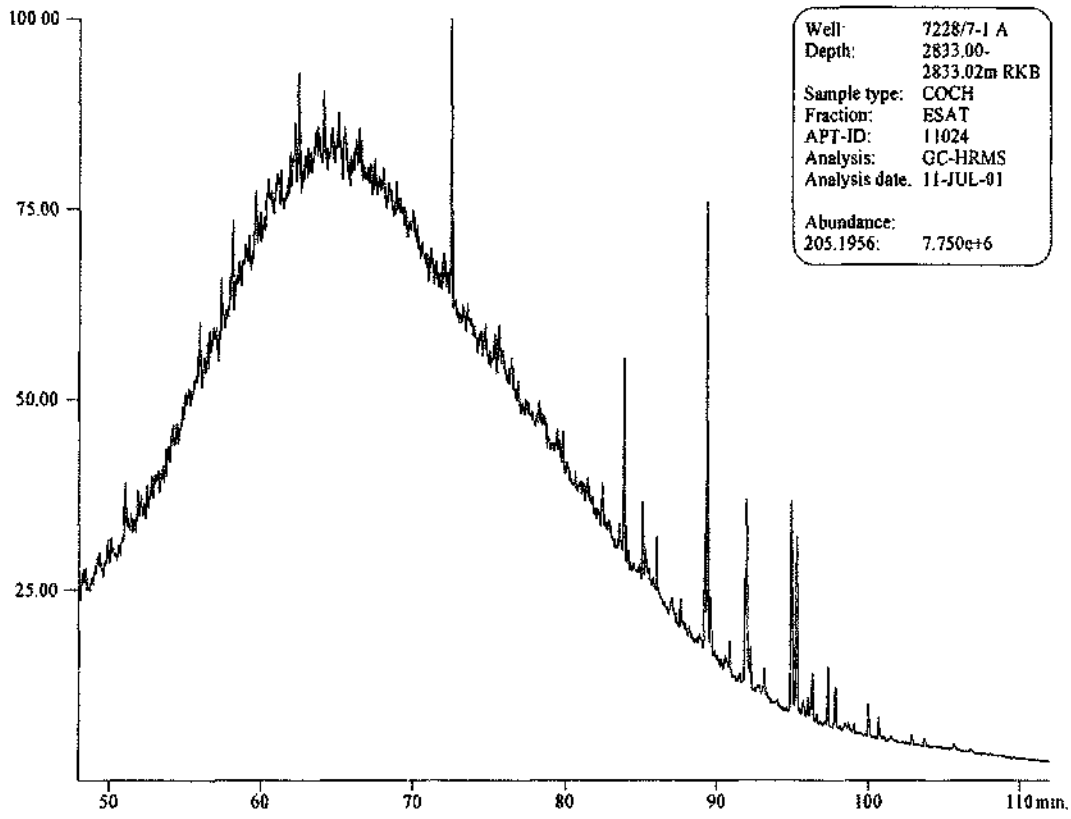

77.03
57.77
38.51
19.26
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth. 2102.50m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11817
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance
231.2113. 2.512e+5

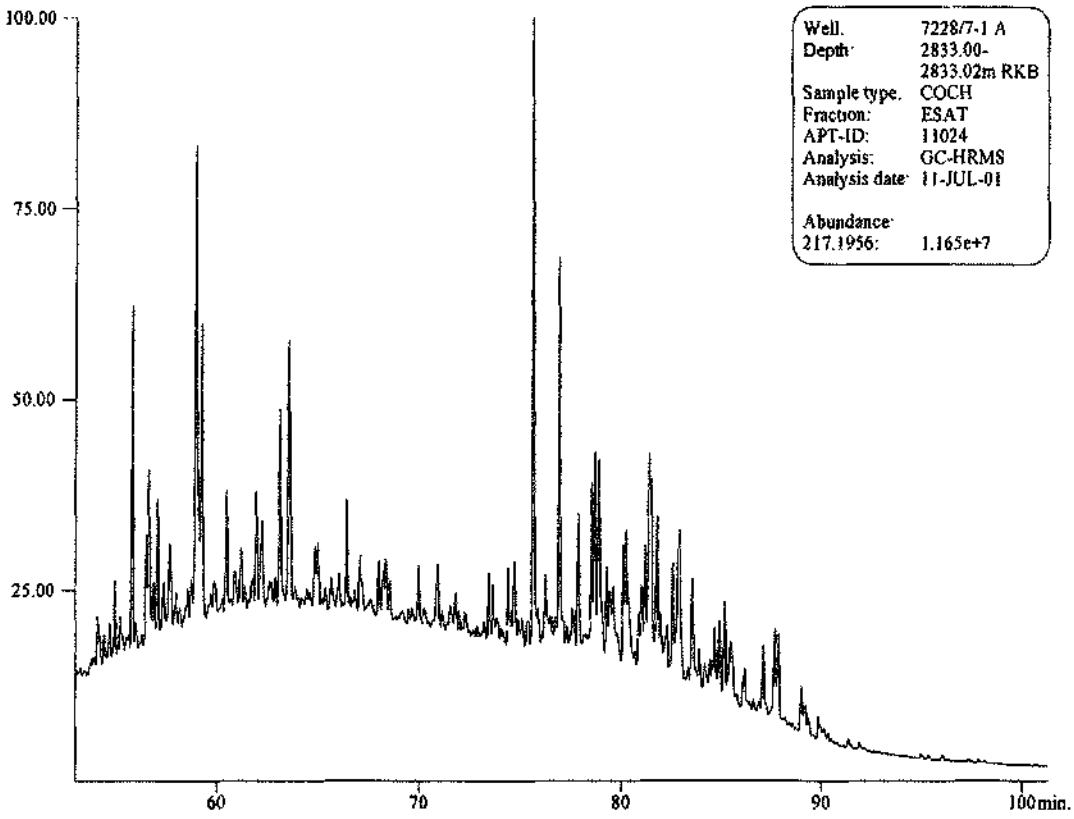

Well: 7228/7-1 A
Depth: 2102.50m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11817
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance:
253.1956,253.2895: 7.252e+6
80.00
60.00
40.00
20.00
60
70
80
90
100 min

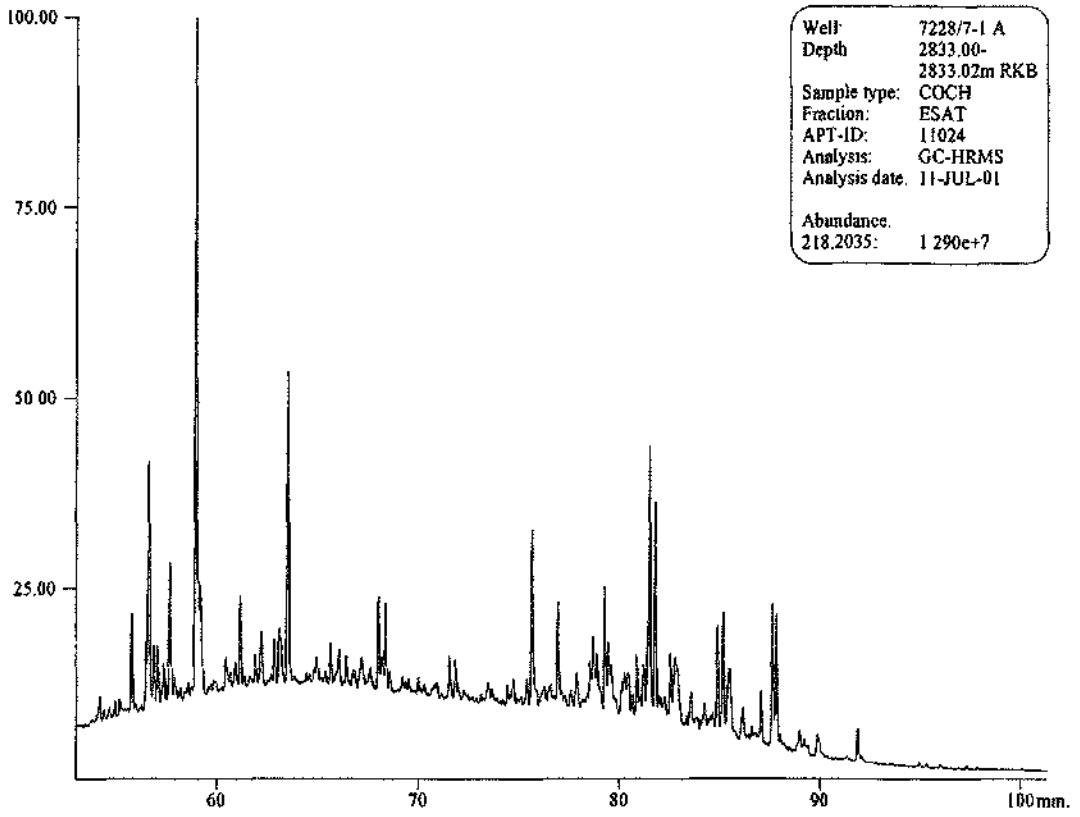

Well: 7228/7-1 A
Depth: 2102.50m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11817
Analysis: GC-HRMS
Analysis date: 1-NOV-01
Abundance:
259.2426: 5.840e+5
100.00
75.00
50.00
25.00
60
70
80
90
100 min

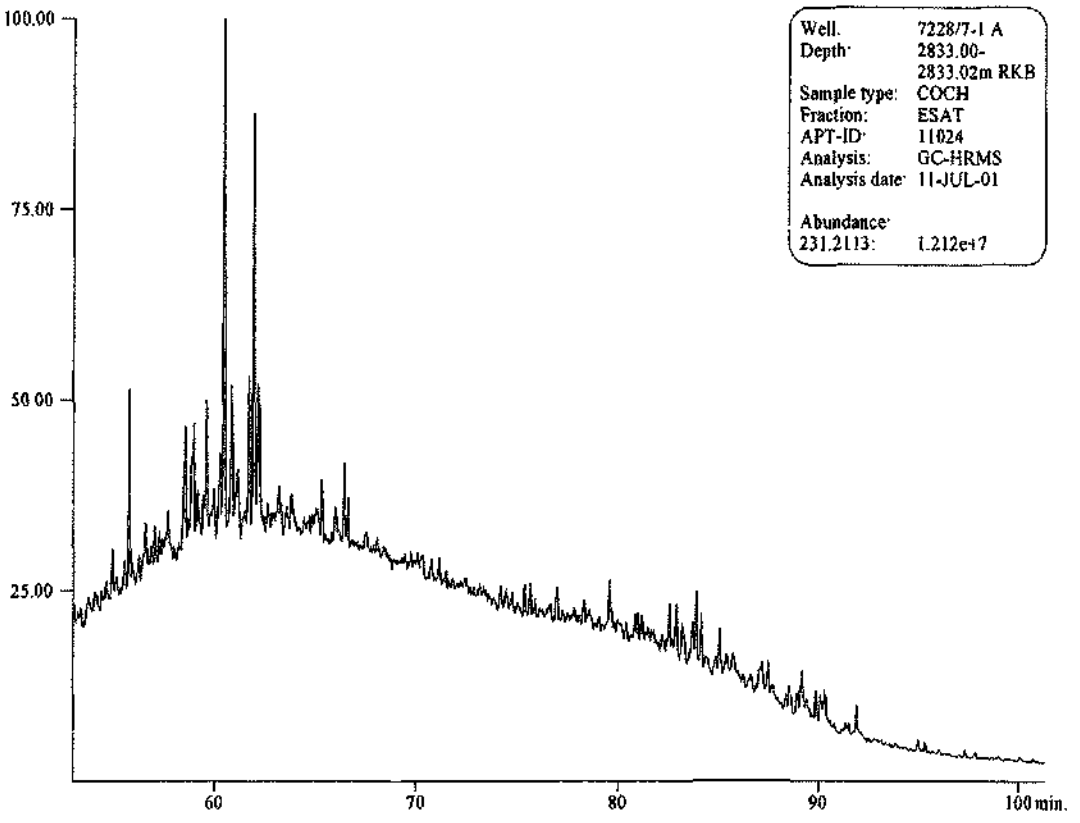

100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min.
Well. 7228/7-1 A
Depth. 2833.00-2833.02m RKB
Sample type: COCH
Fracton: ESAT
APT-ID: 11024
Analysis GC-HRMS
Analysis date: 11-JUL-01
Abundance.
177 1643: 1.126e+7

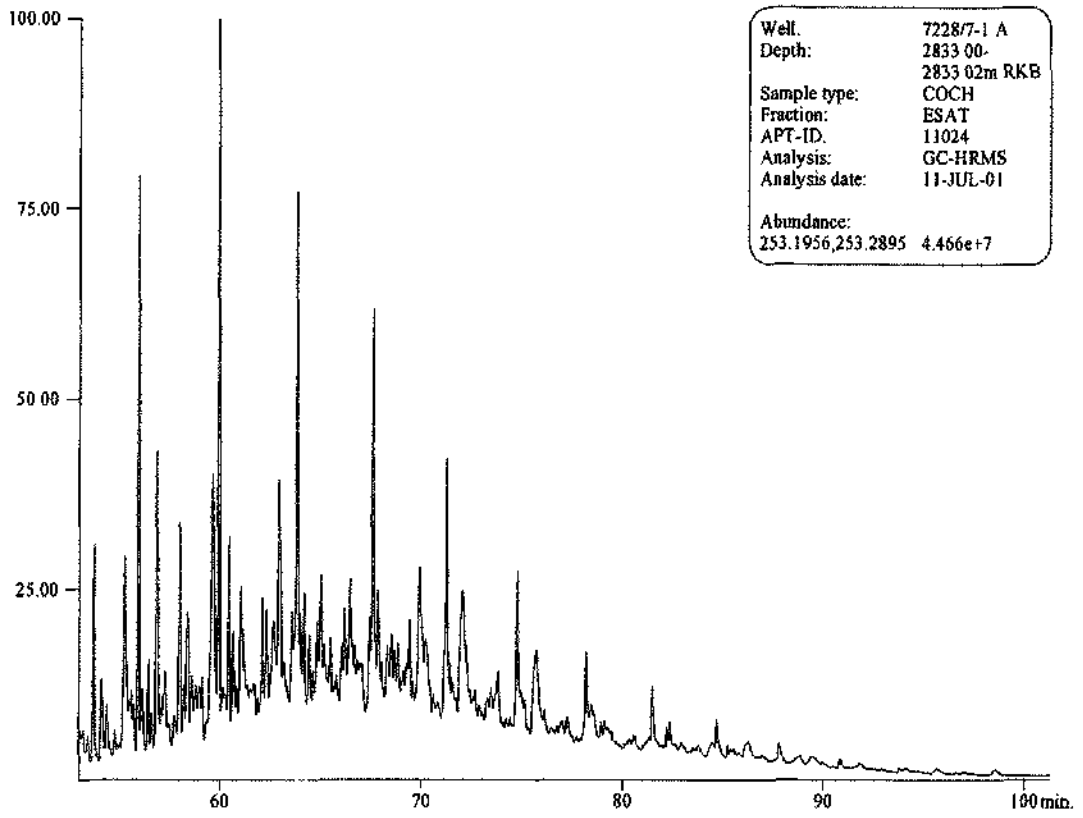

100.00
75.00
50.00
25.00
50
60
70
80
90
100
110min.
Well: 7228/7-1 A
Depth: 2833.00-2833.02m RKB
Sample type: COCH
Fraction: ESAT
APT-ID 11024
Analysis: GC-HRMS
Analysis date 11-JUL-01
Abundance:
191 1800. 3.025e+7

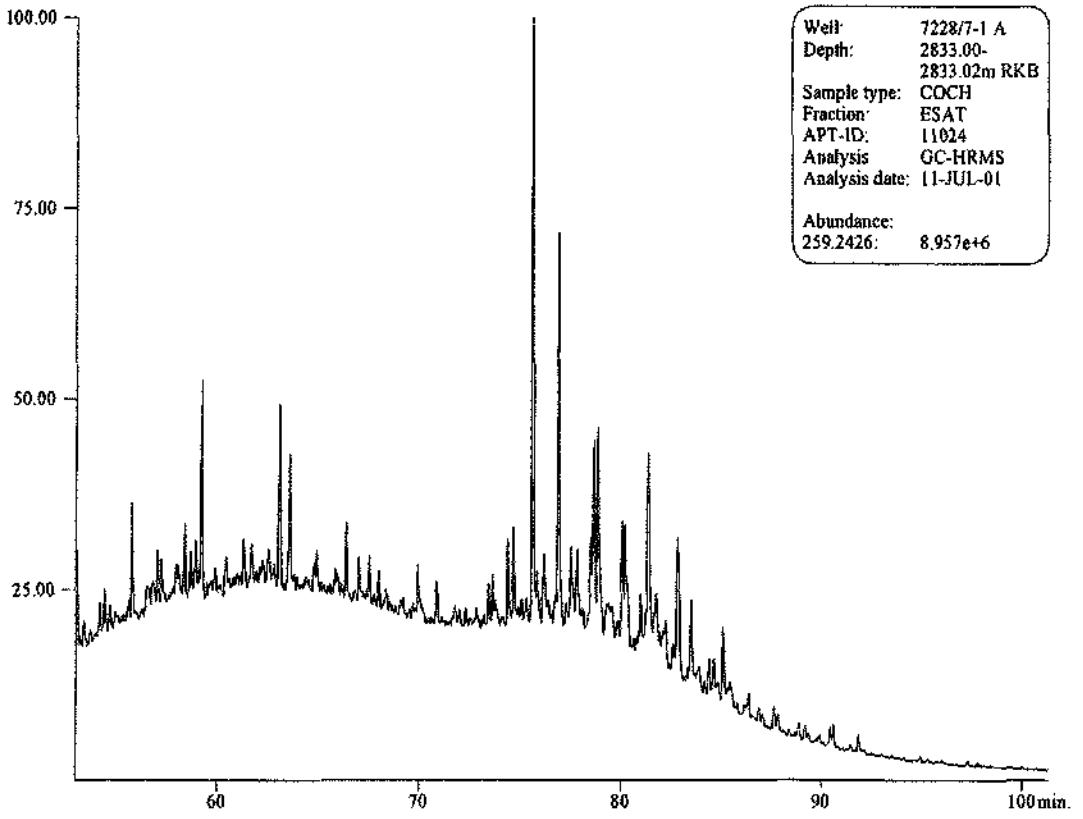

Well: 7228/7-1 A
Depth: 2833.00-2833.02m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11024
Analysis: GC-HRMS
Analysis date. 11-JUL-01
Abundance:
205.1956: 7.750e+6
100.00
75.00
50.00
25.00
50
60
70
80
90
100
110 min.


Well. 7228/7-1 A
Depth: 2833.00-2833.02m RKB
Sample type. COCH
Fraction: ESAT
APT-ID: 11024
Analysis: GC-HRMS
Analysis date: 11-JUL-01
Abundance:
217.1956: 1.165e+7
100.00
75.00
50.00
25.00
60
70
80
90
100 min.

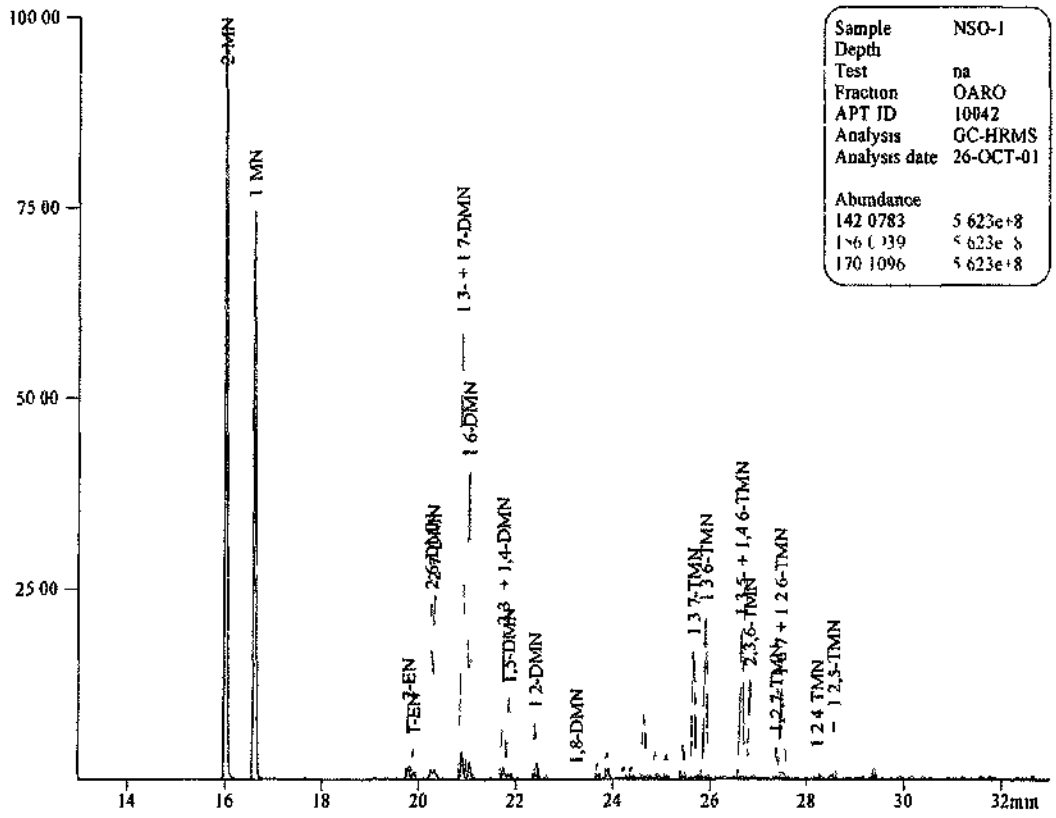

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth: 2833.00-2833.02m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11024
Analysis: GC-HRMS
Analysis date: 11-JUL-01
Abundance
218.2035: 1.290e+7

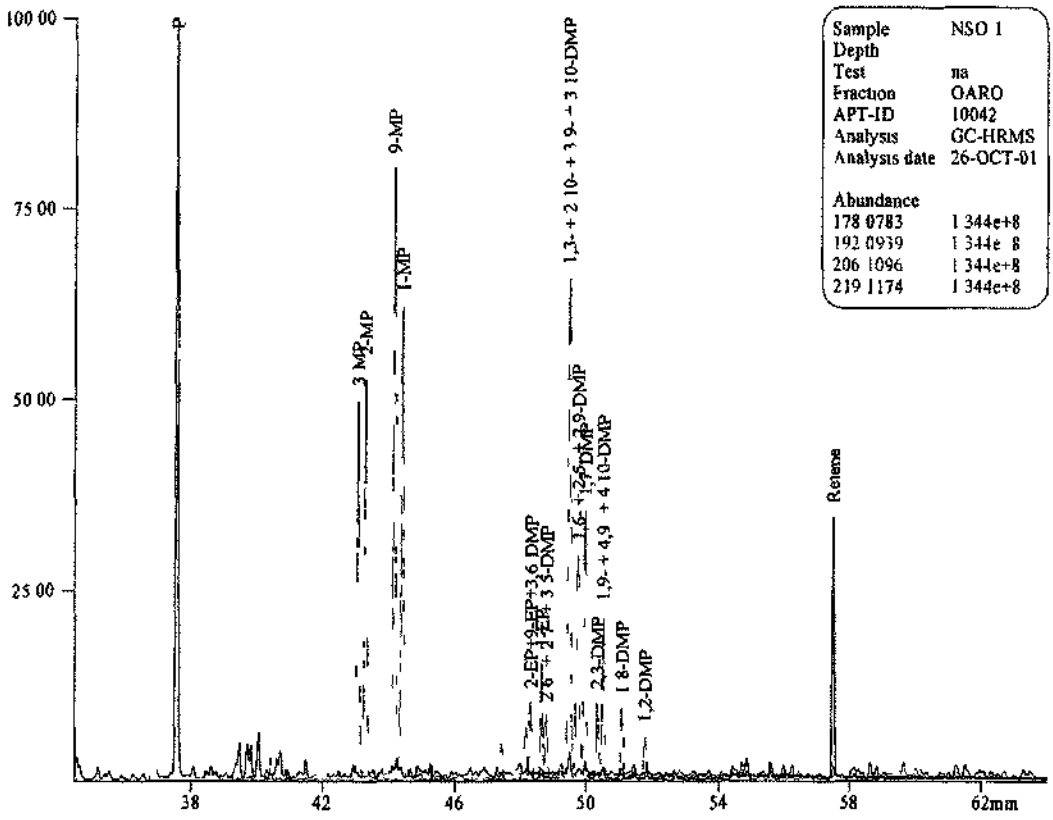

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth: 2833.00-2833.02m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11024
Analysis: GC-HRMS
Analysis date: 11-JUL-01
Abundance
231.2113: 1.212e+7

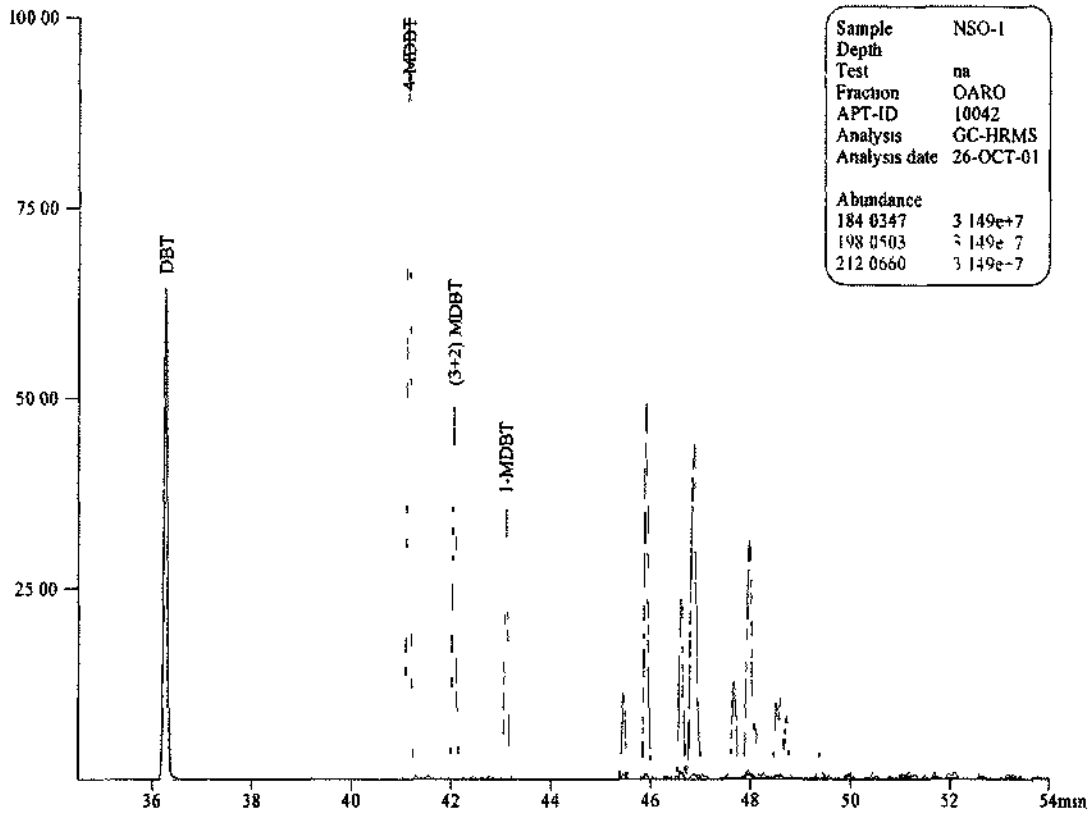

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth: 2833.00-2833.02m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11024
Analysis: GC-HRMS
Analysis date: 11-JUL-01
Abundance:
253.1956,253.2895 4.466e+7

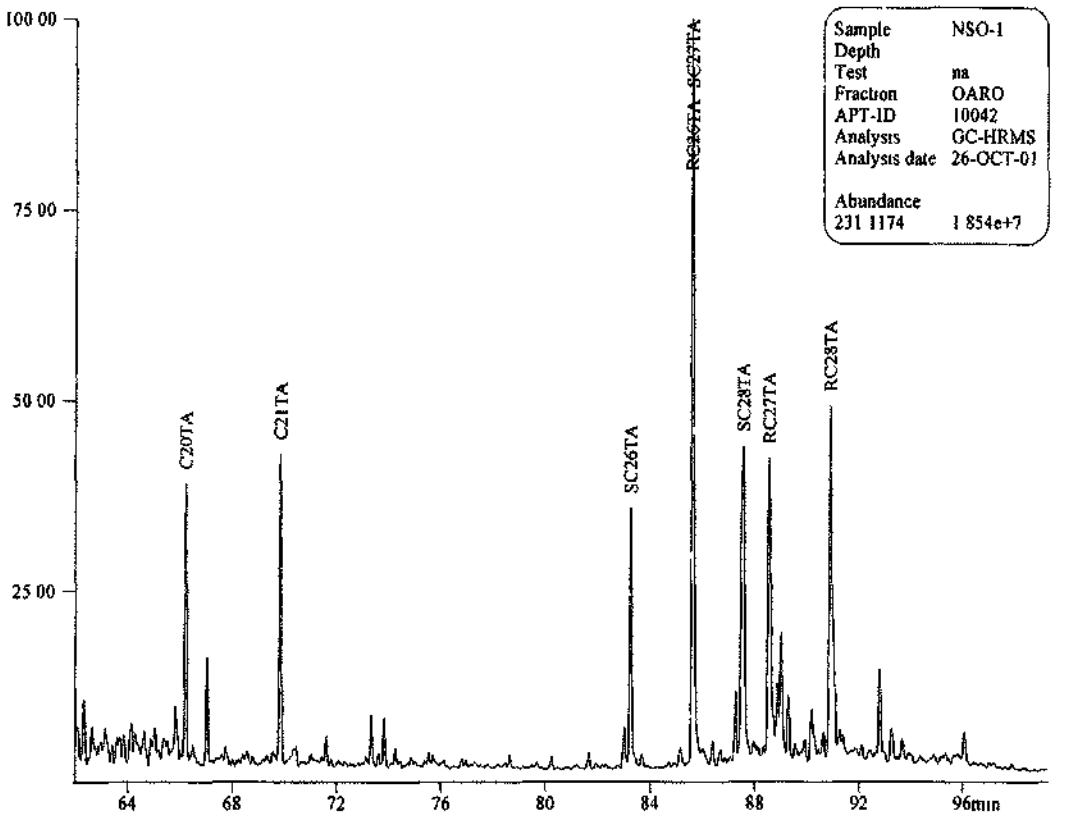

100.00
75.00
50.00
25.00
60
70
80
90
100 min.
Well: 7228/7-1 A
Depth: 2833.00-2833.02m RKB
Sample type: COCH
Fraction: ESAT
APT-ID: 11024
Analysis: GC-HRMS
Analysis date: 11-JUL-01
Abundance:
259.2426: 8.957e+6

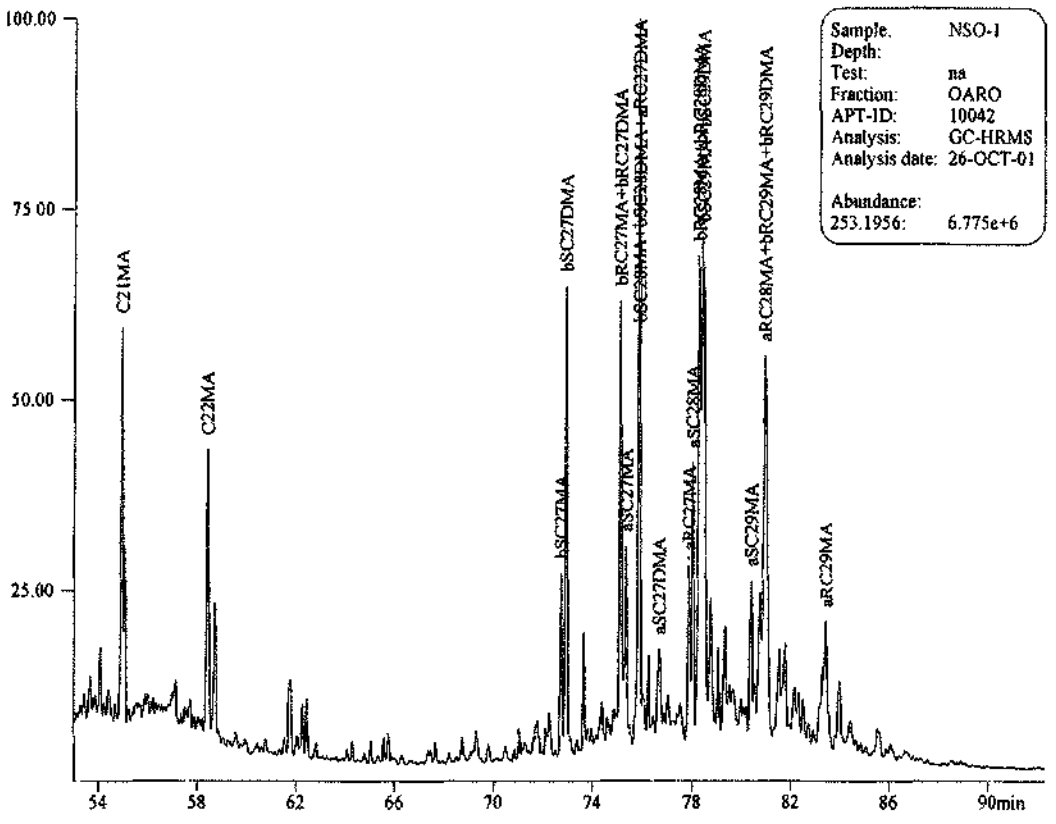
GC-MS Chromatograms of Aromatic Hydrocarbons

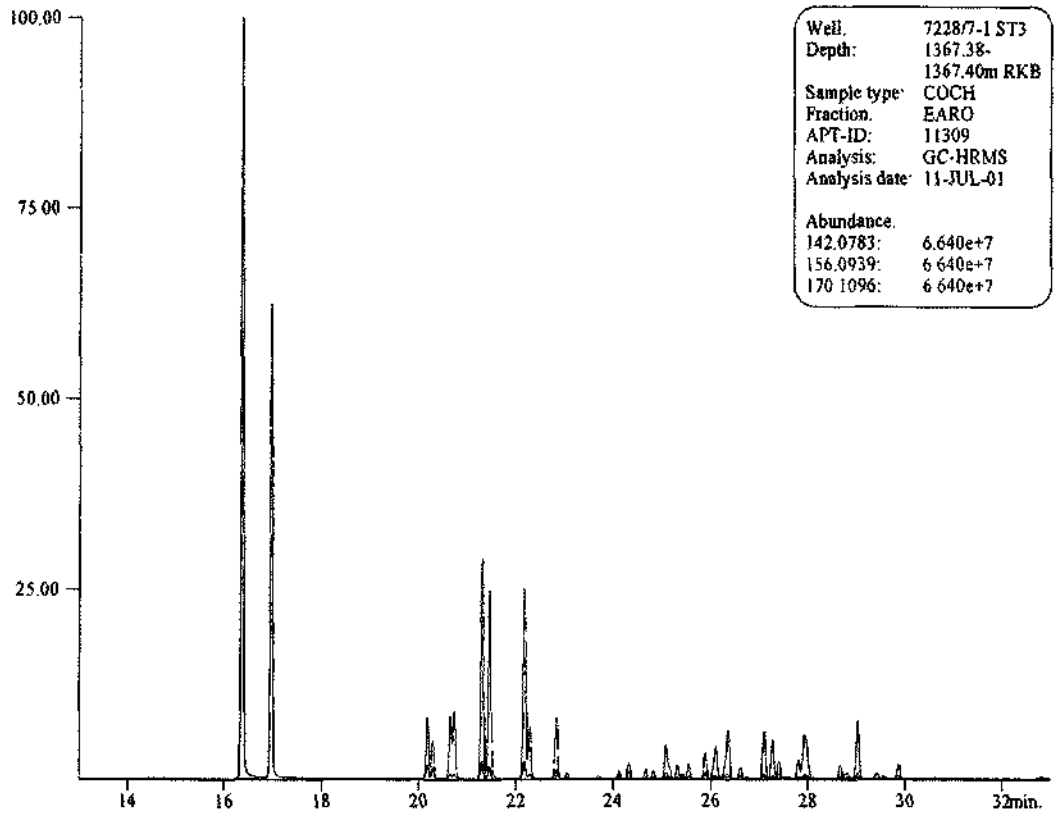

Sample NSO-1
Depth
Test na
Fraction OARO
APT ID 10042
Analysis GC-HRMS
Analysis date 26-OCT-01
Abundance
142 0783 5 623e+8
156 0939 5 623e+8
170 1096 5 623e+8
100 00
75 00
50 00
25 00
2-MN
1 MN
1,3- + 1,7-DMN
1,6-DMN
1,4-DMN
1,2-DMN
1,8-DMN
1,3,7-TMN
1,3,6-TMN
1,4,6-TMN
1,2,6-TMN
1,2,4 TMN
1,2,3-TMN
14
16
18
20
22
24
26
28
30
32mm

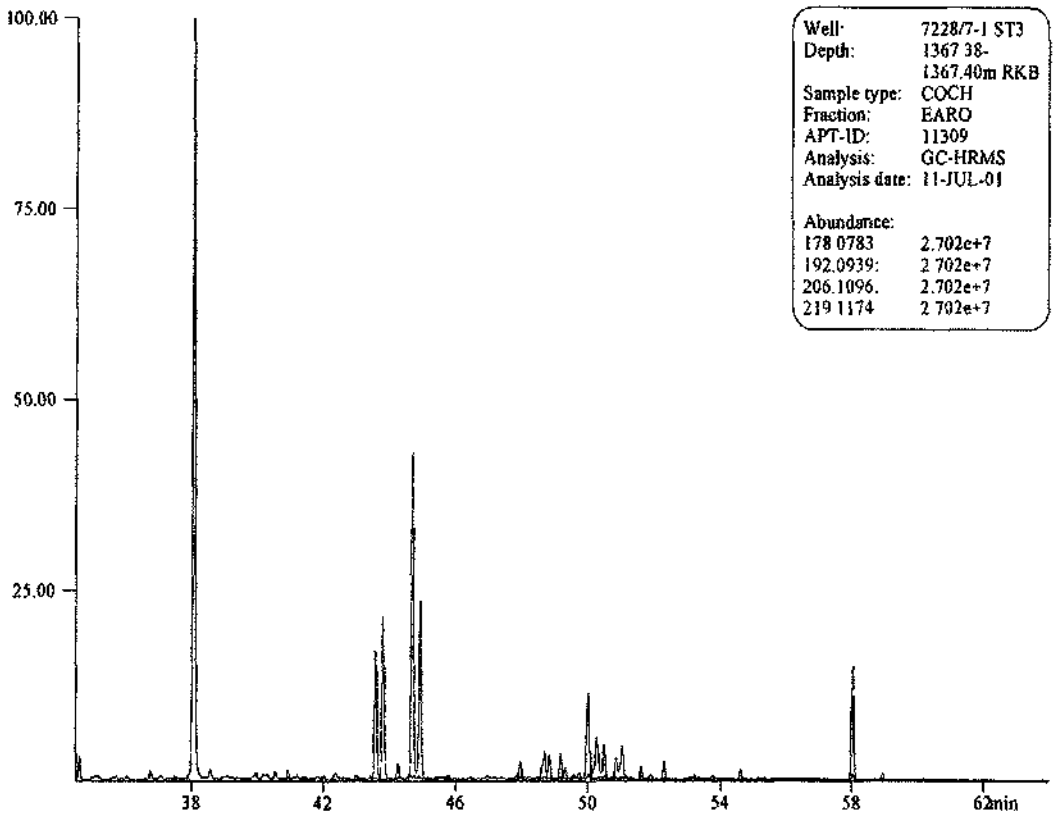

Sample NSO 1
Depth
Test na
Fraction OARO
APT-ID 10042
Analysis GC-HRMS
Analysis date 26-OCT-01
Abundance
178 0783 1 344e+8
192 0939 1 344e+8
206 1096 1 344e+8
219 1174 1 344e+8
100 00
75 00
50 00
25 00
P
3-MP
2-MP
9-MP
1-MP
1,3- + 2,10- + 3,9- + 3,10-DMP
2,6-DMP
2,3-DMP
1,8-DMP
1,2-DMP
Retene
38
42
46
50
54
58
62mm

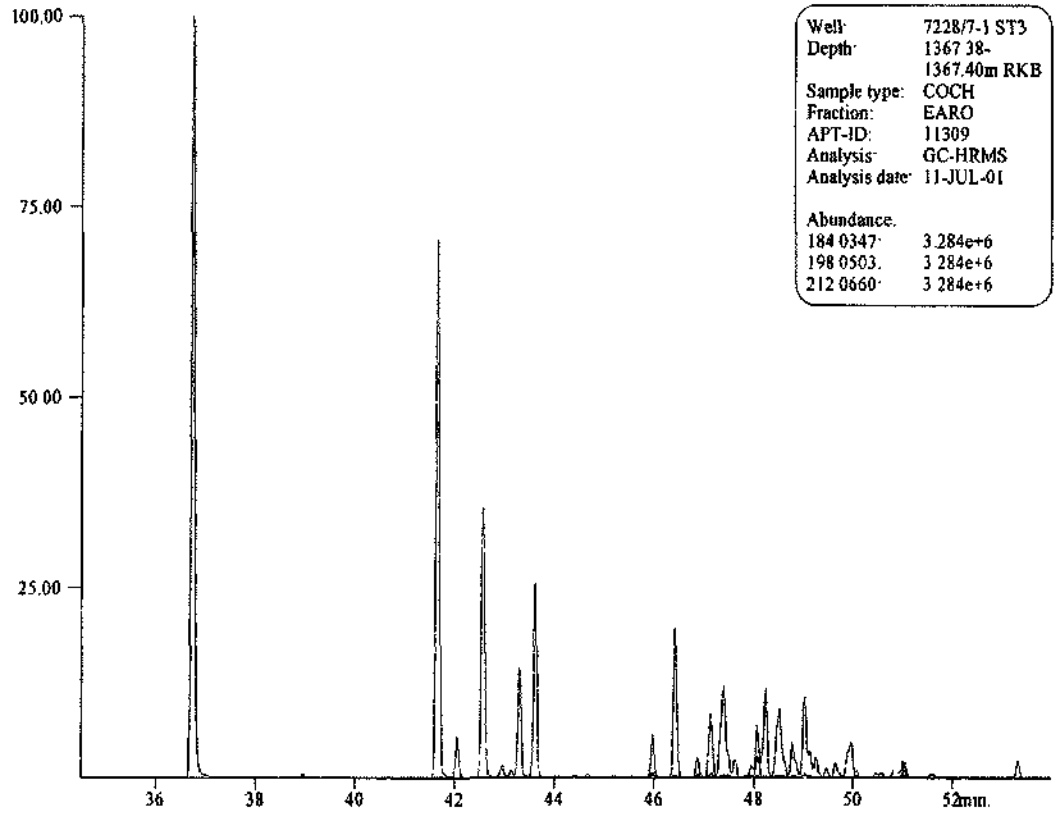

Sample NSO-1
Depth
Test na
Fraction OARO
APT-ID 10042
Analysis GC-HRMS
Analysis date 26-OCT-01
Abundance
184 0347 3 149e+7
198 0503 3 149e 7
212 0660 3 149e-7
100 00
75 00
50 00
25 00
DBT
4-MDBT
(3+2) MDBT
1-MDBT
36
38
40
42
44
46
48
50
52
54min

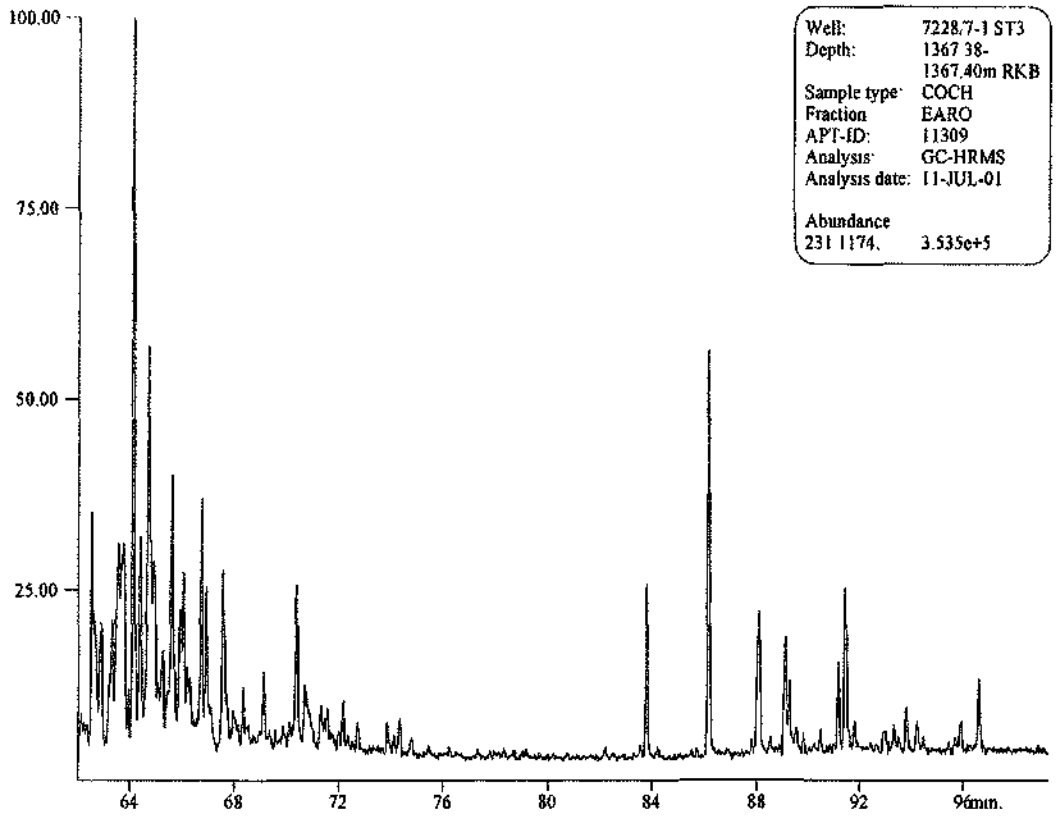

Sample NSO-1
Depth
Test na
Fraction OARO
APT-ID 10042
Analysis GC-HRMS
Analysis date 26-OCT-01
Abundance
231 1174 1 854e+7
100 00
75 00
50 00
25 00
C20TA
C21TA
SC26TA
RC26TA+SC27TA
SC28TA
RC27TA
RC28TA
64
68
72
76
80
84
88
92
96min

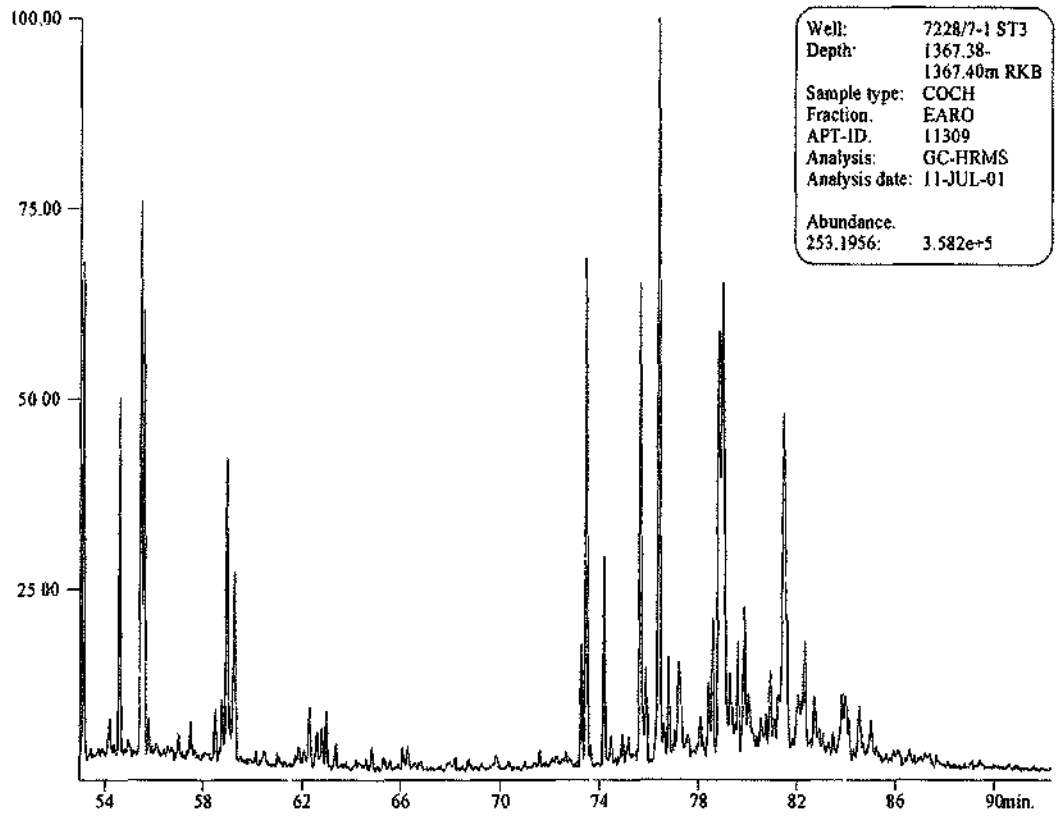

100.00
75.00
50.00
25.00
C21MA
C22MA
bSC27DMA
bRC27MA+bRC27DMA
aSC27MA
aSC27DMA
aRC27MA
aSC28MA
aSC29MA
aRC28MA+bRC29MA+bRC29DMA
aRC29MA
Sample: NSO-1
Depth:
Test: na
Fraction: OARO
APT-ID: 10042
Analysis: GC-HRMS
Analysis date: 26-OCT-01
Abundance:
253.1956: 6.775e+6
54
58
62
66
70
74
78
82
86
90min

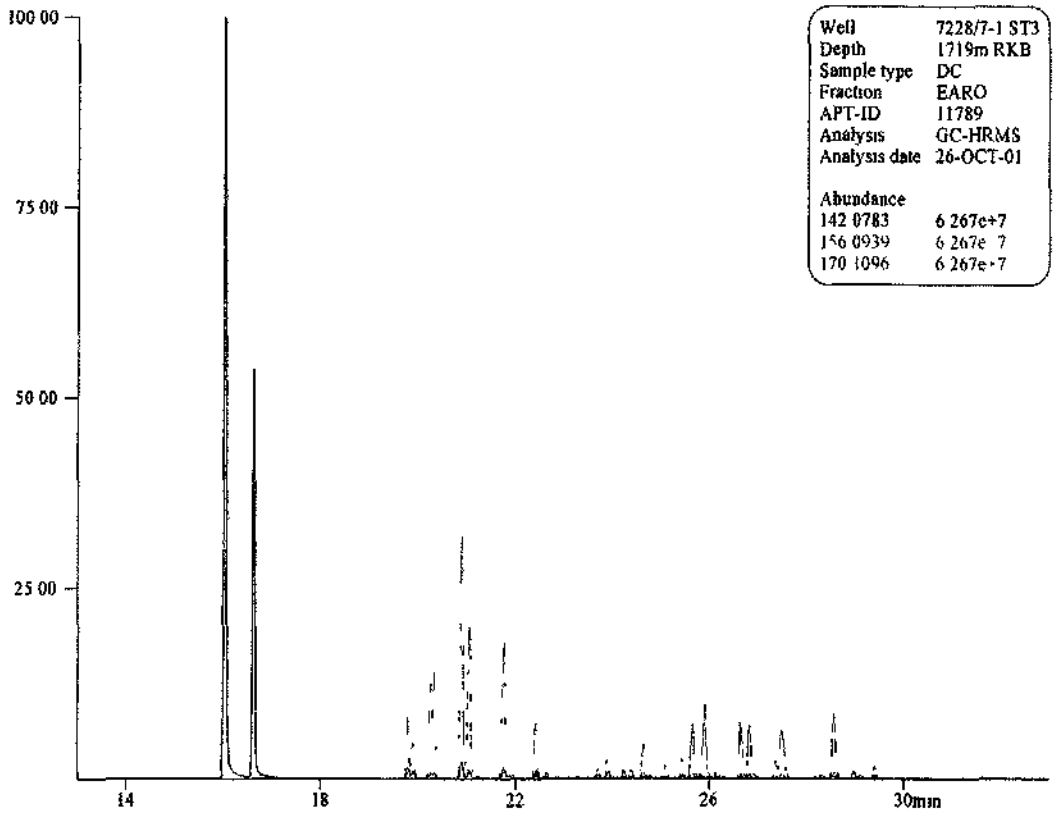

Well: 7228/7-1 ST3
Depth: 1367.38-1367.40m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11309
Analysis: GC-HRMS
Analysis date: 11-JUL-01
Abundance:
142.0783: 6.640e+7
156.0939: 6.640e+7
170.1096: 6.640e+7
100.00
75.00
50.00
25.00
14
16
18
20
22
24
26
28
30
32min.

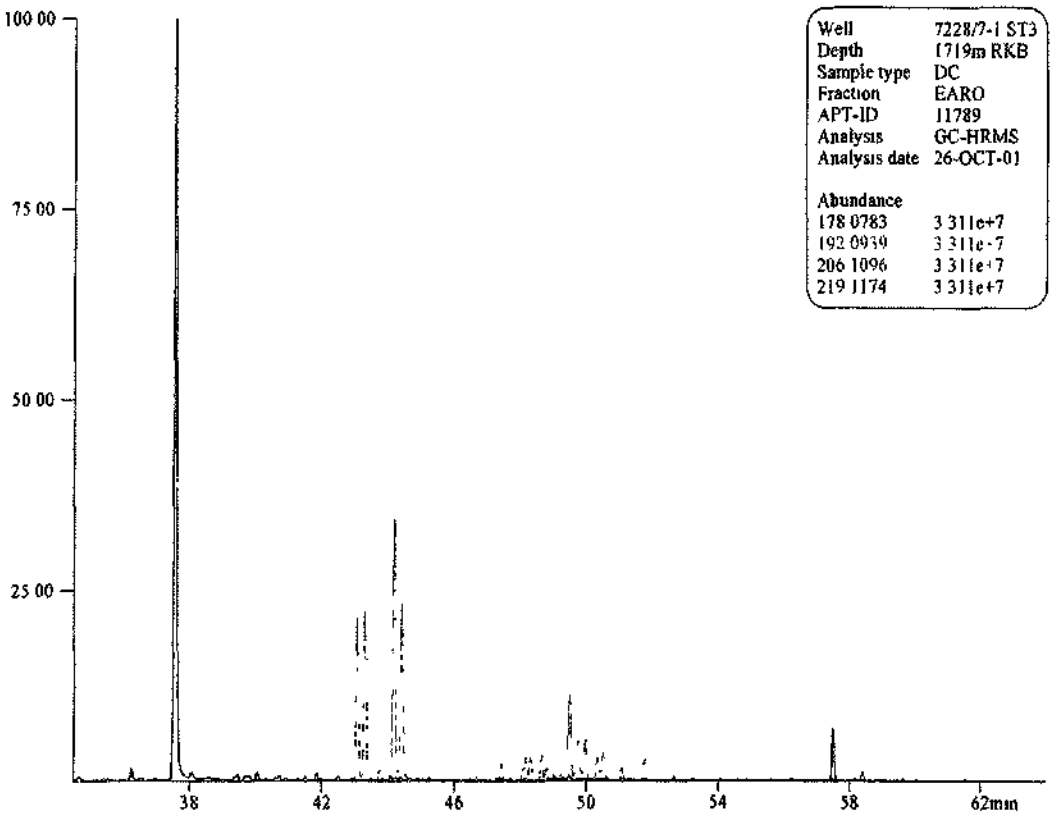

Well: 7228/7-1 ST3
Depth: 1367.38-1367.40m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11309
Analysis: GC-HRMS
Analysis date: 11-JUL-01
Abundance:
178.0783 2.702e+7
192.0939: 2.702e+7
206.1096: 2.702e+7
219.1174 2.702e+7
100.00
75.00
50.00
25.00
38
42
46
50
54
58
62min

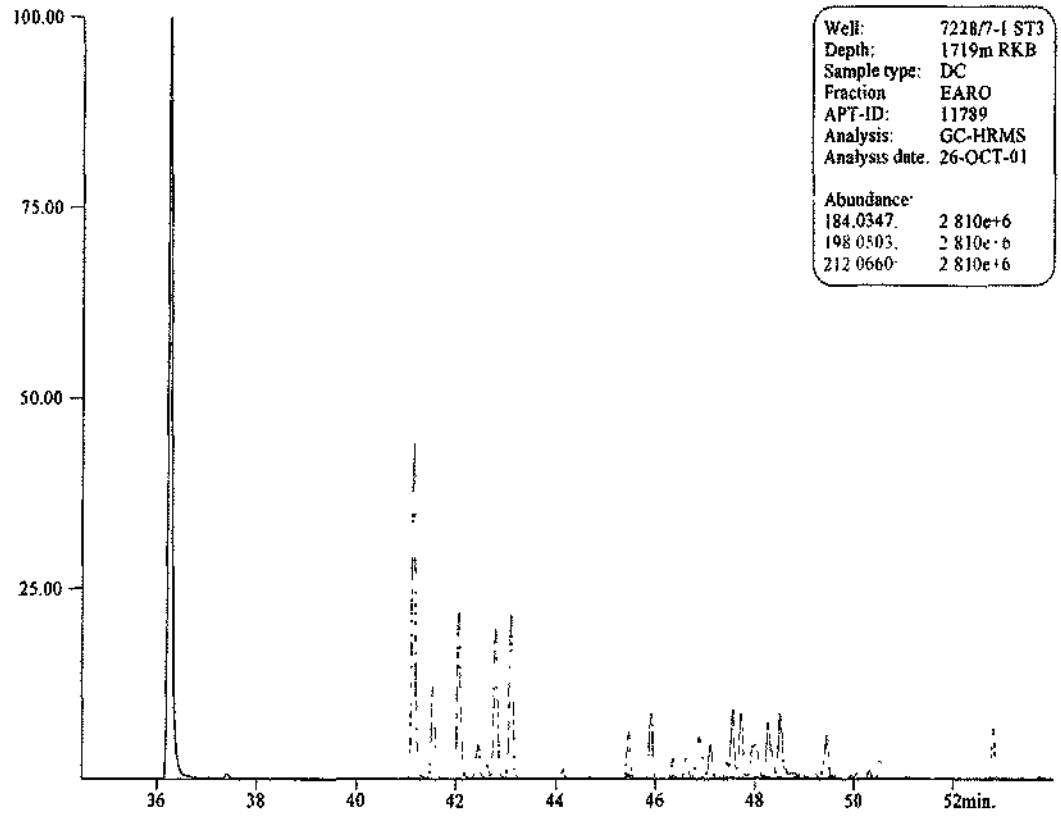

100.00
75.00
50.00
25.00
36
38
40
42
44
46
48
50
52min.
Well: 7228/7-1 ST3
Depth: 1367.38-1367.40m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11309
Analysis: GC-HRMS
Analysis date: 11-JUL-01
Abundance.
184.0347: 3.284e+6
198.0503: 3.284e+6
212.0660: 3.284e+6

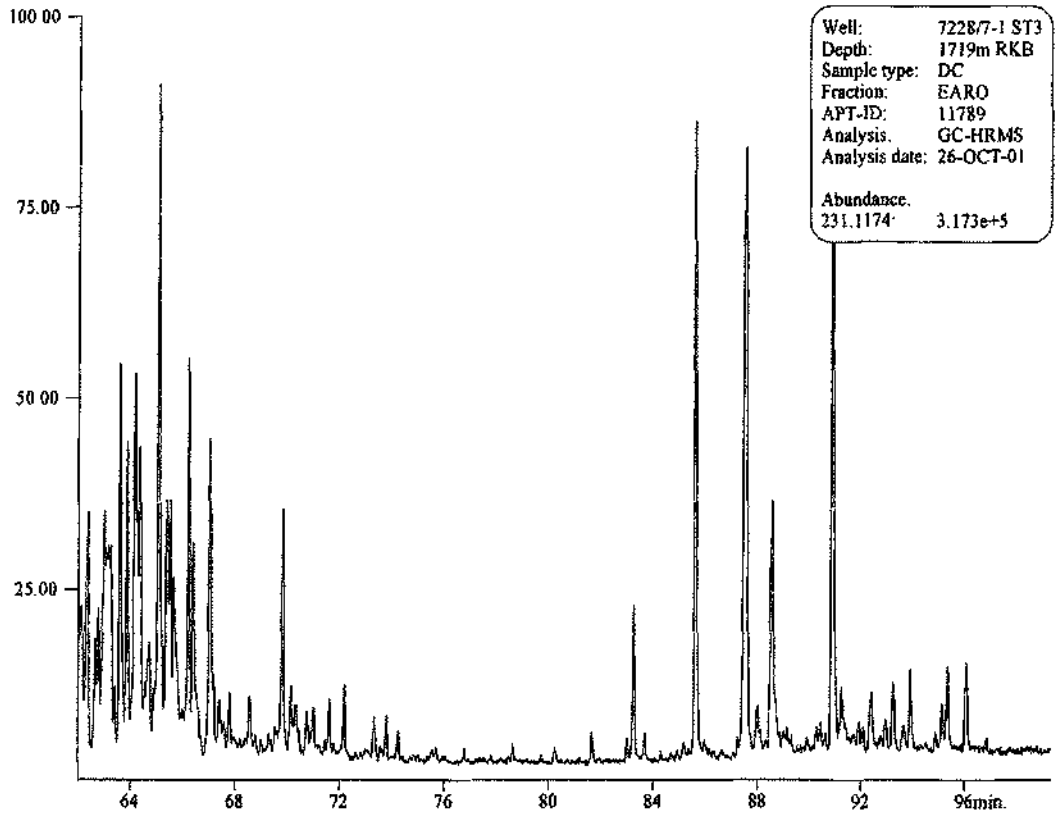

100.00
75.00
50.00
25.00
64
68
72
76
80
84
88
92
96min.
Well: 7228/7-1 ST3
Depth: 1367.38-1367.40m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11309
Analysis: GC-HRMS
Analysis date: 11-JUL-01
Abundance
231.1174: 3.535e+5

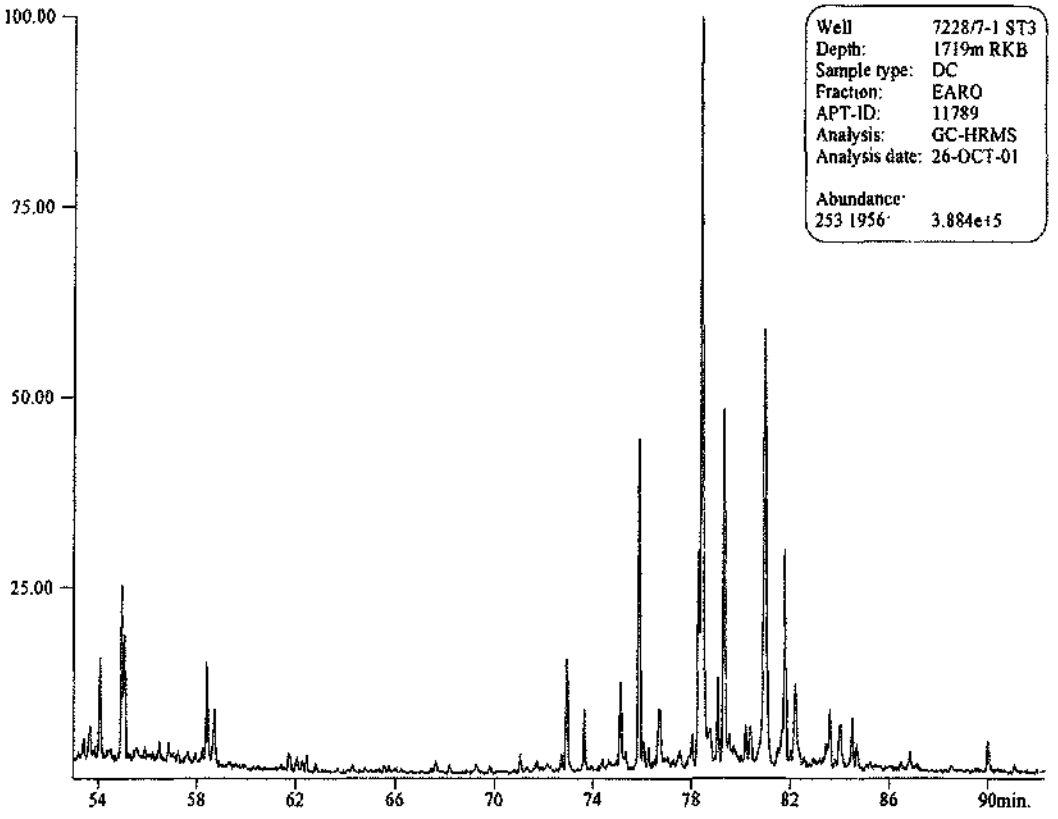

100.00
75.00
50.00
25.00
54
58
62
66
70
74
78
82
86
90min.
Well: 7228/7-1 ST3
Depth: 1367.38-1367.40m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11309
Analysis: GC-HRMS
Analysis date: 11-JUL-01
Abundance
253.1956: 3.582e+5

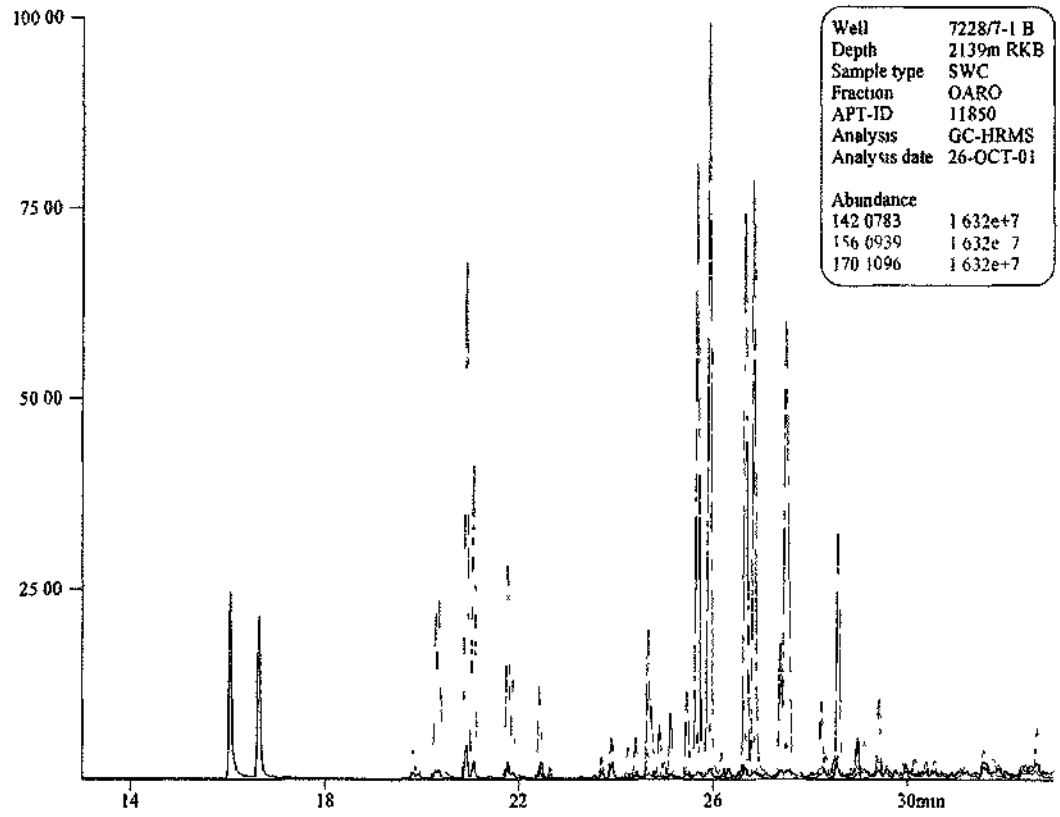

100 00
75 00
50 00
25 00
14
18
22
26
30min
Well 7228/7-1 ST3
Depth 1719m RKB
Sample type DC
Fraction EARO
APT-ID 11789
Analysis GC-HRMS
Analysis date 26-OCT-01
Abundance
142 0783 6 267e+7
156 0939 6 267e 7
170 1096 6 267e+7

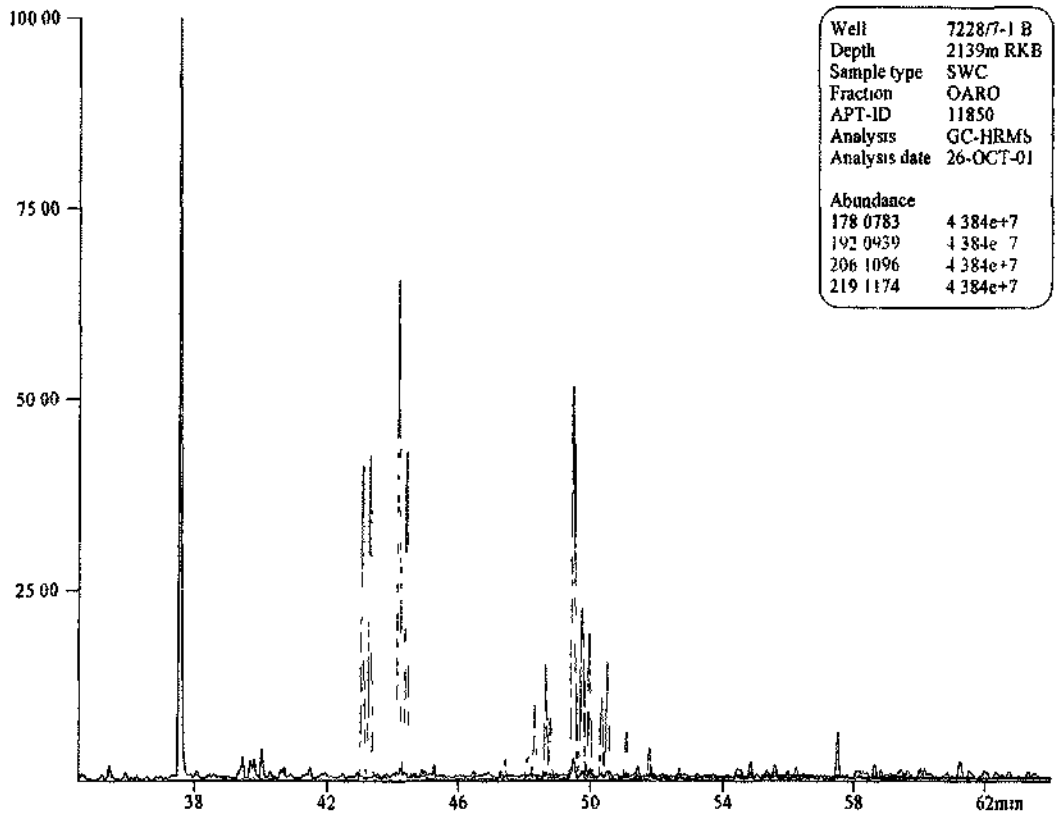

100 00
75 00
50 00
25 00
38
42
46
50
54
58
62min
Well 7228/7-1 ST3
Depth 1719m RKB
Sample type DC
Fraction EARO
APT-ID 11789
Analysis GC-HRMS
Analysis date 26-OCT-01
Abundance
178 0783 3 311e+7
192 0939 3 311e+7
206 1096 3 311e+7
219 1174 3 311e+7

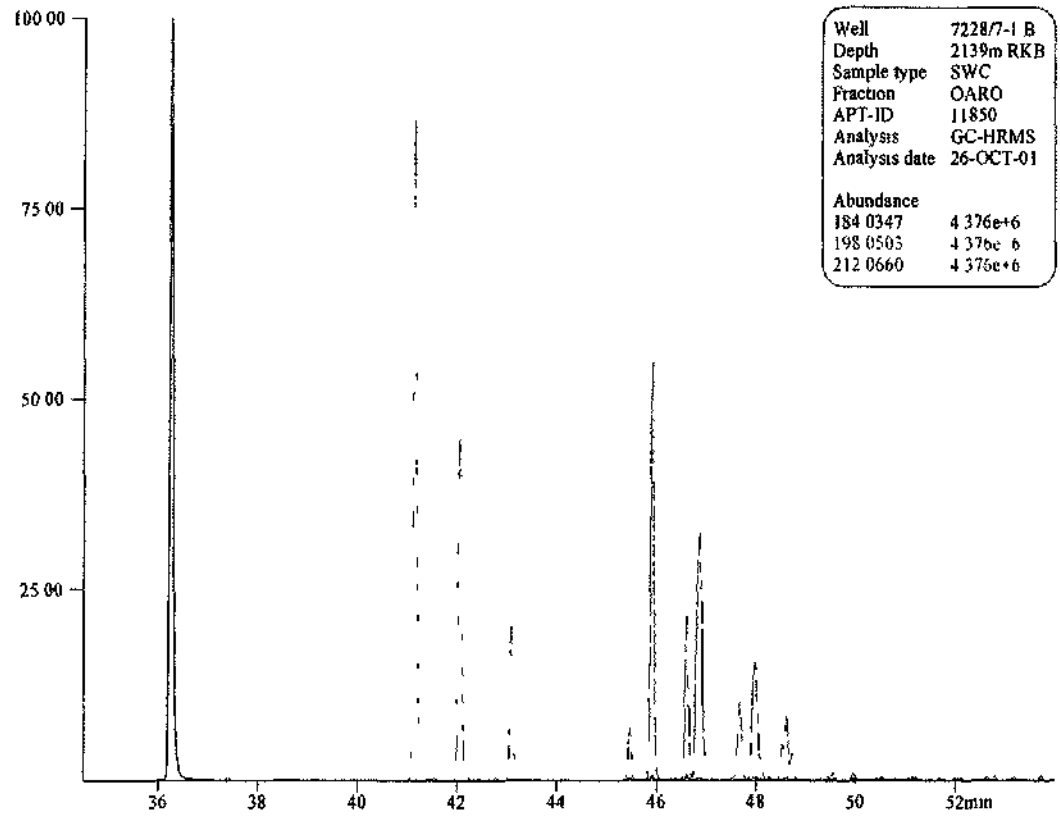

Well: 7228/7-1 ST3
Depth: 1719m RKB
Sample type: DC
Fraction EARO
APT-ID: 11789
Analysis: GC-HRMS
Analysis date. 26-OCT-01
Abundance
184.0347. 2.810e+6
198.0503. 2.810e+6
212.0660. 2.810e+6
100.00
75.00
50.00
25.00
36
38
40
42
44
46
48
50
52min.

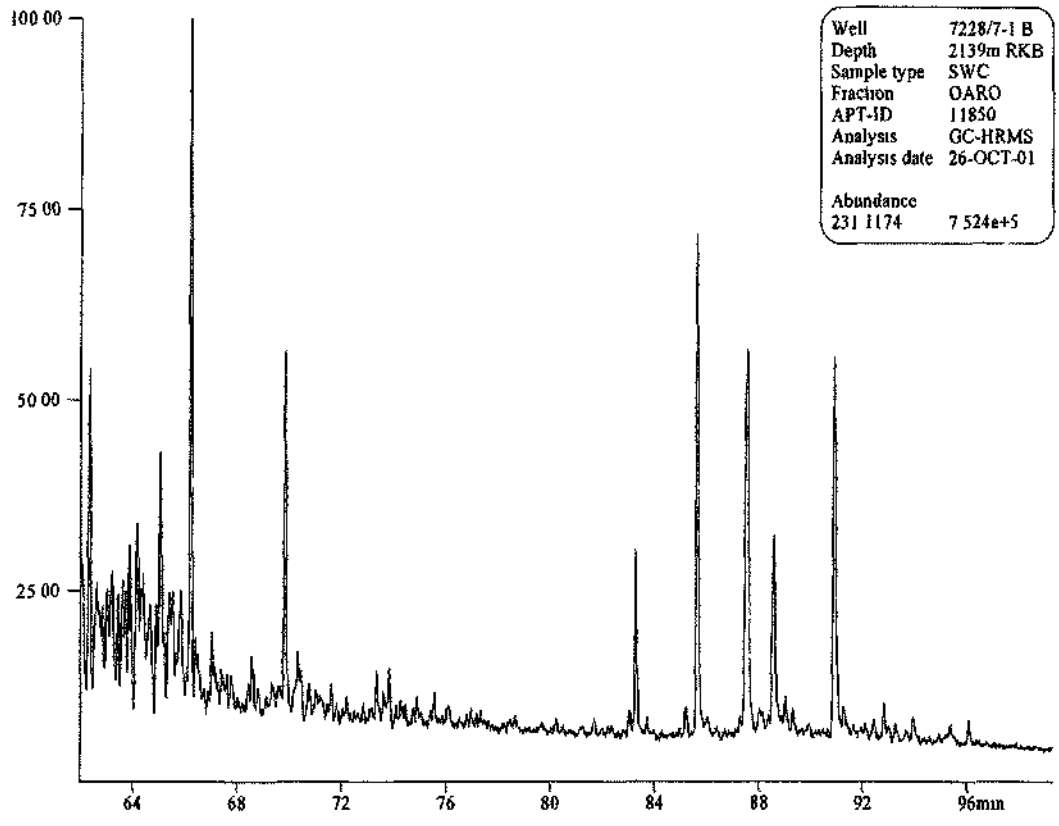

Well: 7228/7-1 ST3
Depth: 1719m RKB
Sample type: DC
Fraction: EARO
APT-ID: 11789
Analysis. GC-HRMS
Analysis date: 26-OCT-01
Abundance.
231.1174. 3.173e+5
100.00
75.00
50.00
25.00
64
68
72
76
80
84
88
92
96min.

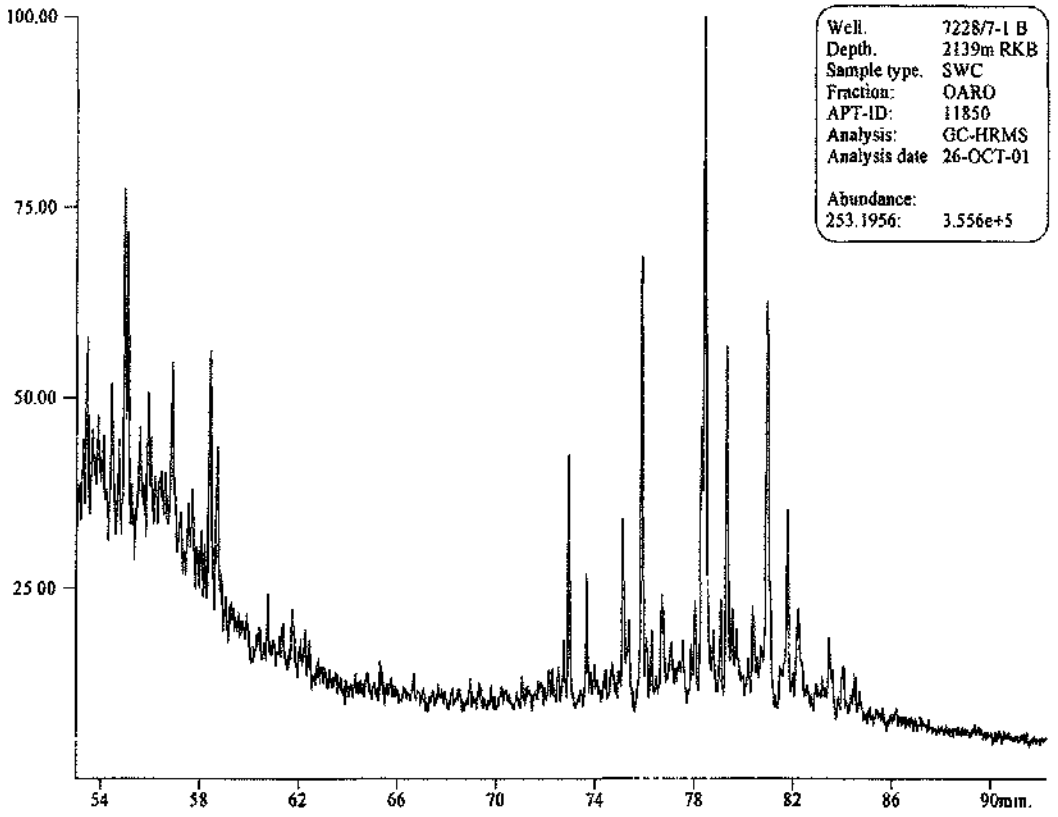

100.00
75.00
50.00
25.00
54
58
62
66
70
74
78
82
86
90min.
Well 7228/7-1 ST3
Depth: 1719m RKB
Sample type: DC
Fraction: EARO
APT-ID: 11789
Analysis: GC-HRMS
Analysis date: 26-OCT-01
Abundance
253 1956 3.884e+5

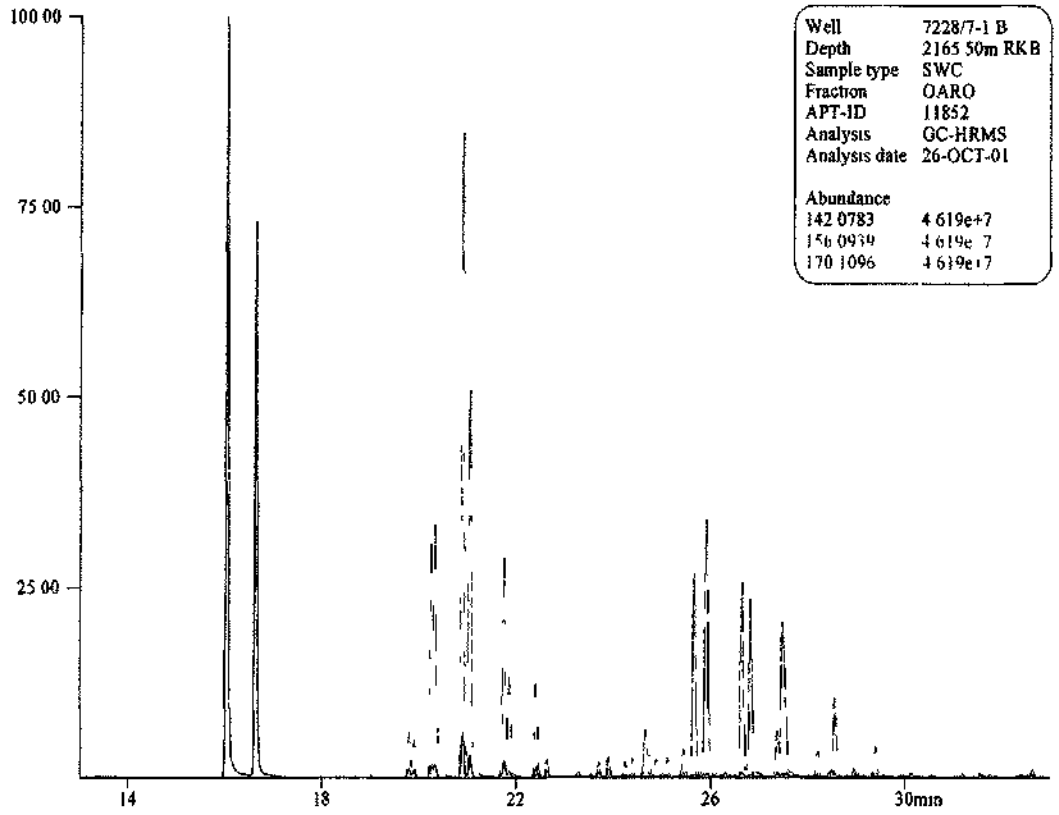

100 00
75 00
50 00
25 00
14
18
22
26
30min
Well 7228/7-1 B
Depth 2139m RKB
Sample type SWC
Fraction OARO
APT-ID 11850
Analysis GC-HRMS
Analysis date 26-OCT-01
Abundance
142 0783 1 632e+7
156 0939 1 632e 7
170 1096 1 632e+7

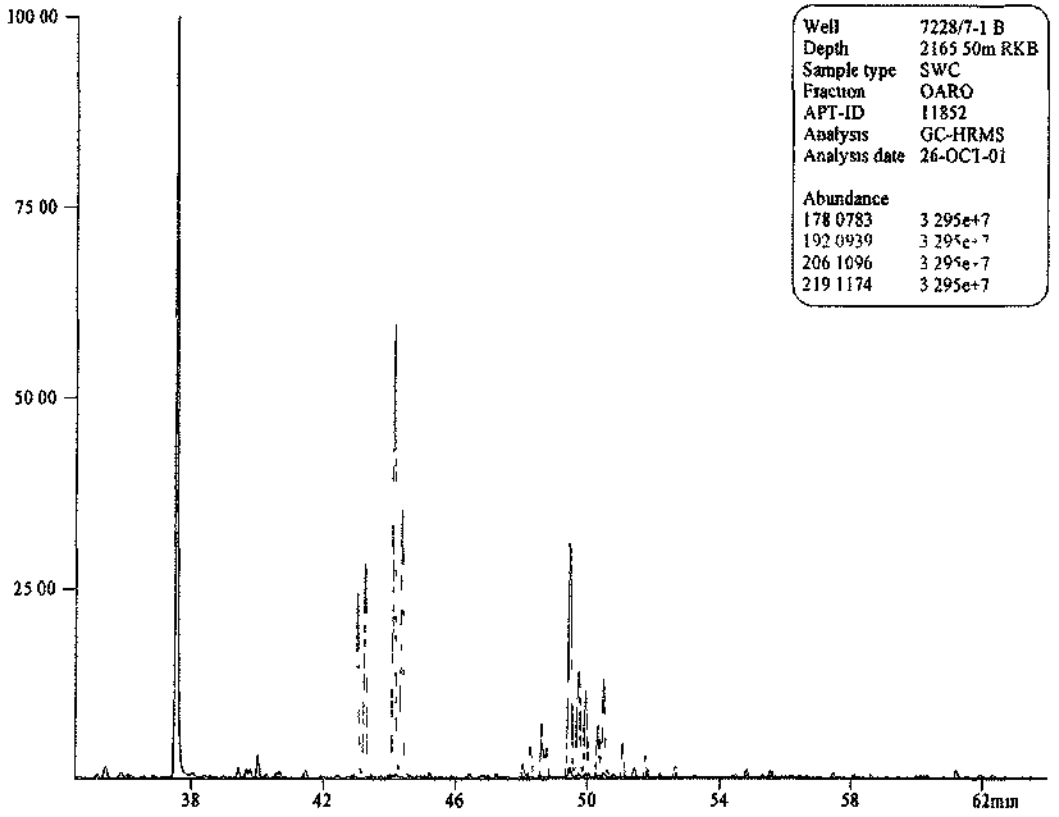

100 00
75 00
50 00
25 00
38
42
46
50
54
58
62min
Well 7228/7-1 B
Depth 2139m RKB
Sample type SWC
Fraction OARO
APT-ID 11850
Analysis GC-HRMS
Analysis date 26-OCT-01
Abundance
178 0783 4 384e+7
192 0939 4 384e 7
206 1096 4 384e+7
219 1174 4 384e+7

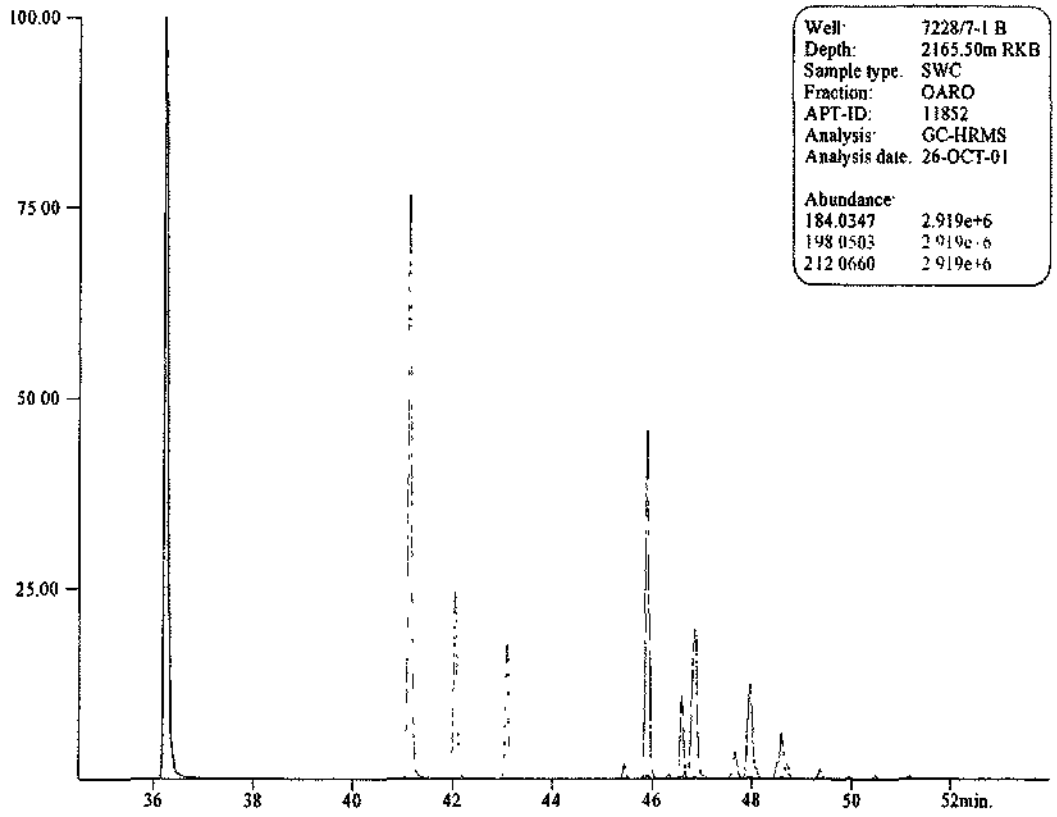

100 00
75 00
50 00
25 00
36
38
40
42
44
46
48
50
52min
Well 7228/7-1 B
Depth 2139m RKB
Sample type SWC
Fraction OARO
APT-ID 11850
Analysis GC-HRMS
Analysis date 26-OCT-01
Abundance
184 0347 4 376e+6
198 0503 4 376e+6
212 0660 4 376e+6

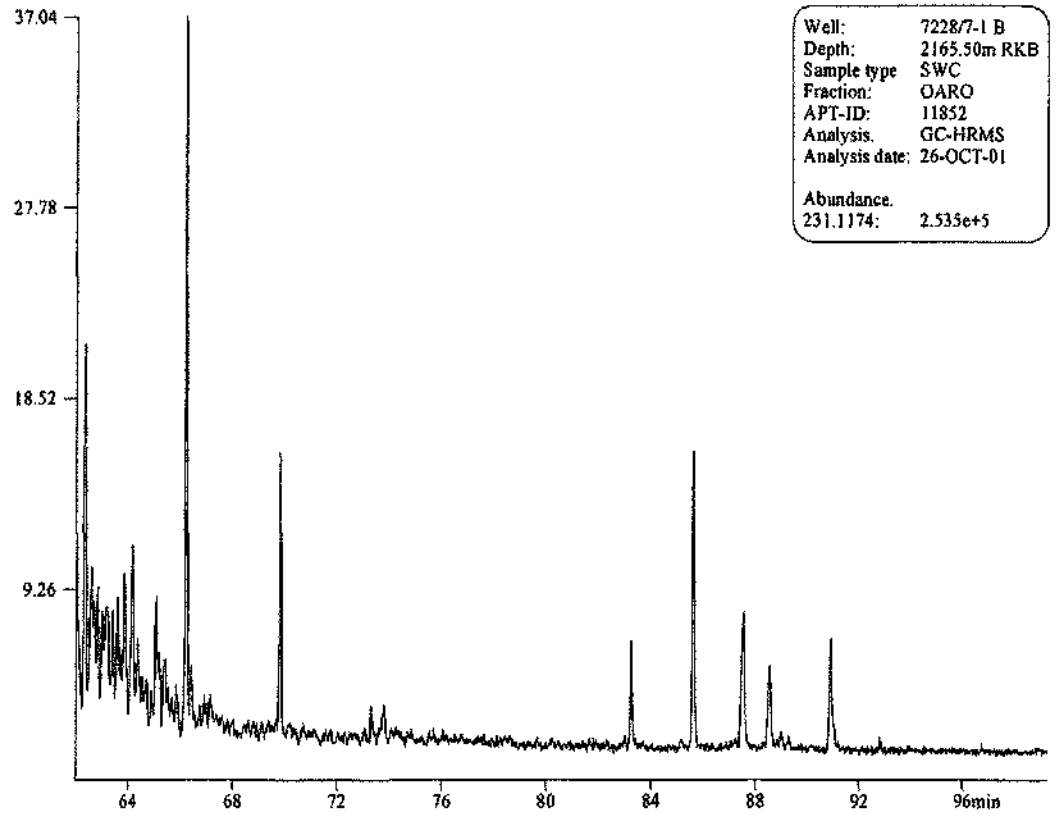

100 00
75 00
50 00
25 00
64
68
72
76
80
84
88
92
96min
Well 7228/7-1 B
Depth 2139m RKB
Sample type SWC
Fraction OARO
APT-ID 11850
Analysis GC-HRMS
Analysis date 26-OCT-01
Abundance
231 1174 7 524e+5

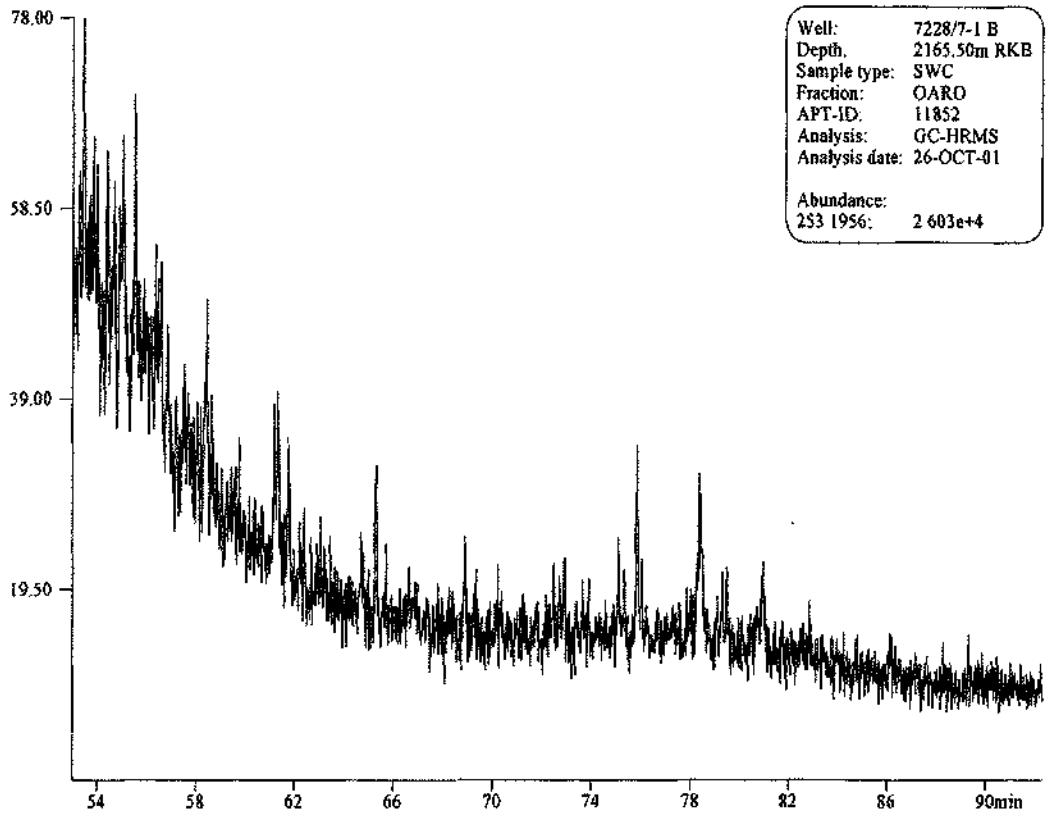

100.00
75.00
50.00
25.00
54
58
62
66
70
74
78
82
86
90min.
Well. 7228/7-1 B
Depth. 2139m RKB
Sample type. SWC
Fraction: OARO
APT-ID: 11850
Analysis: GC-HRMS
Analysis date 26-OCT-01
Abundance:
253.1956: 3.556e+5

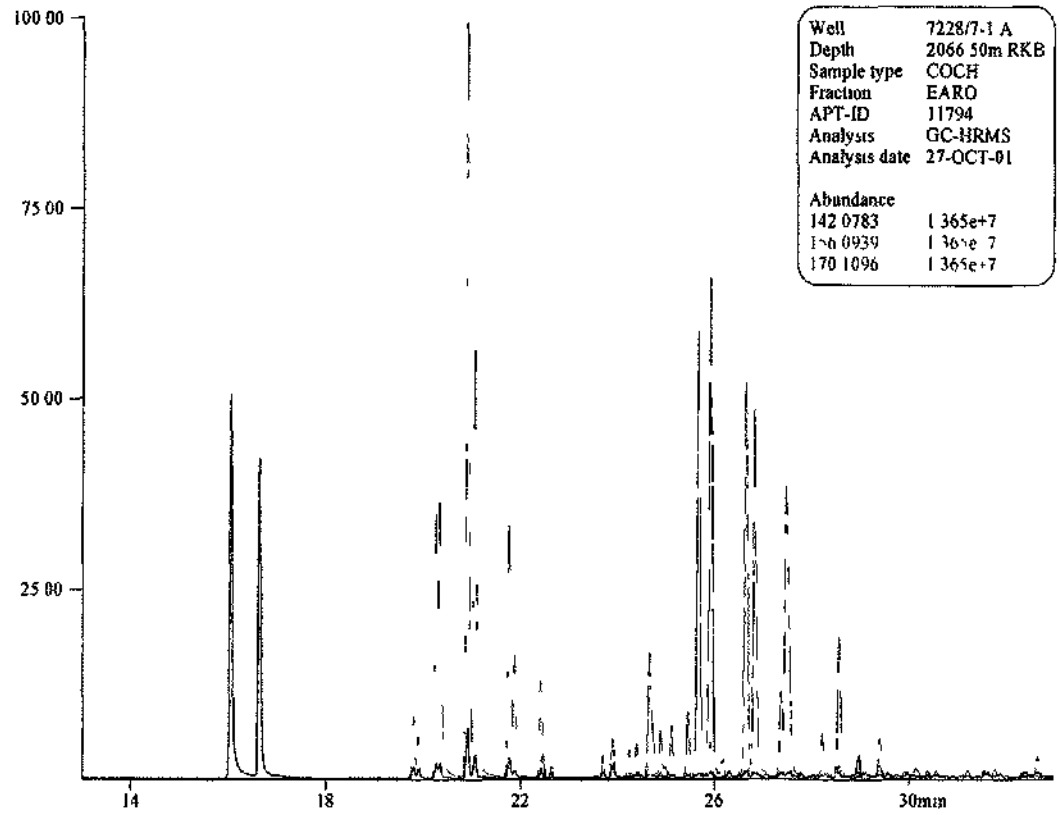

100 00
75 00
50 00
25 00
14
18
22
26
30min
Well 7228/7-1 B
Depth 2165 50m RKB
Sample type SWC
Fraction OARO
APT-ID 11852
Analysis GC-HRMS
Analysis date 26-OCT-01
Abundance
142 0783 4 619e+7
156 0939 4 619e+7
170 1096 4 619e+7

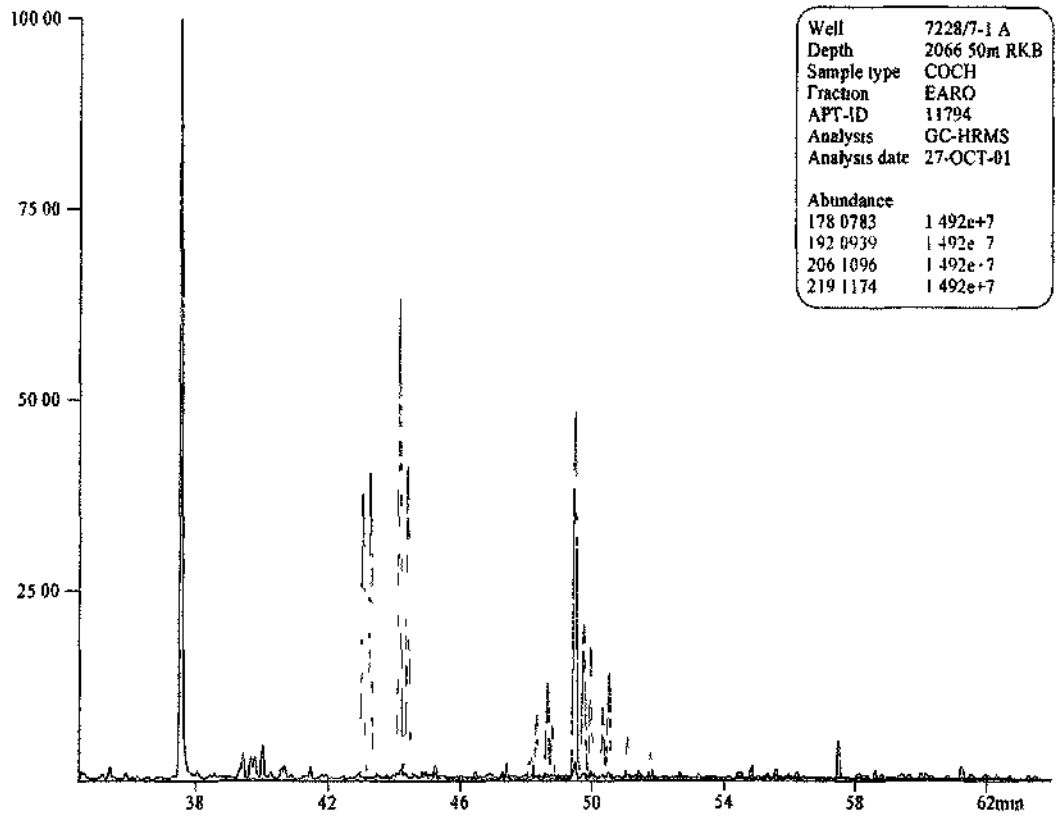

100 00
75 00
50 00
25 00
38
42
46
50
54
58
62min
Well 7228/7-1 B
Depth 2165 50m RKB
Sample type SWC
Fraction OARO
APT-ID 11852
Analysis GC-HRMS
Analysis date 26-OCT-01
Abundance
178 0783 3 295e+7
192 0939 3 295e+7
206 1096 3 295e+7
219 1174 3 295e+7

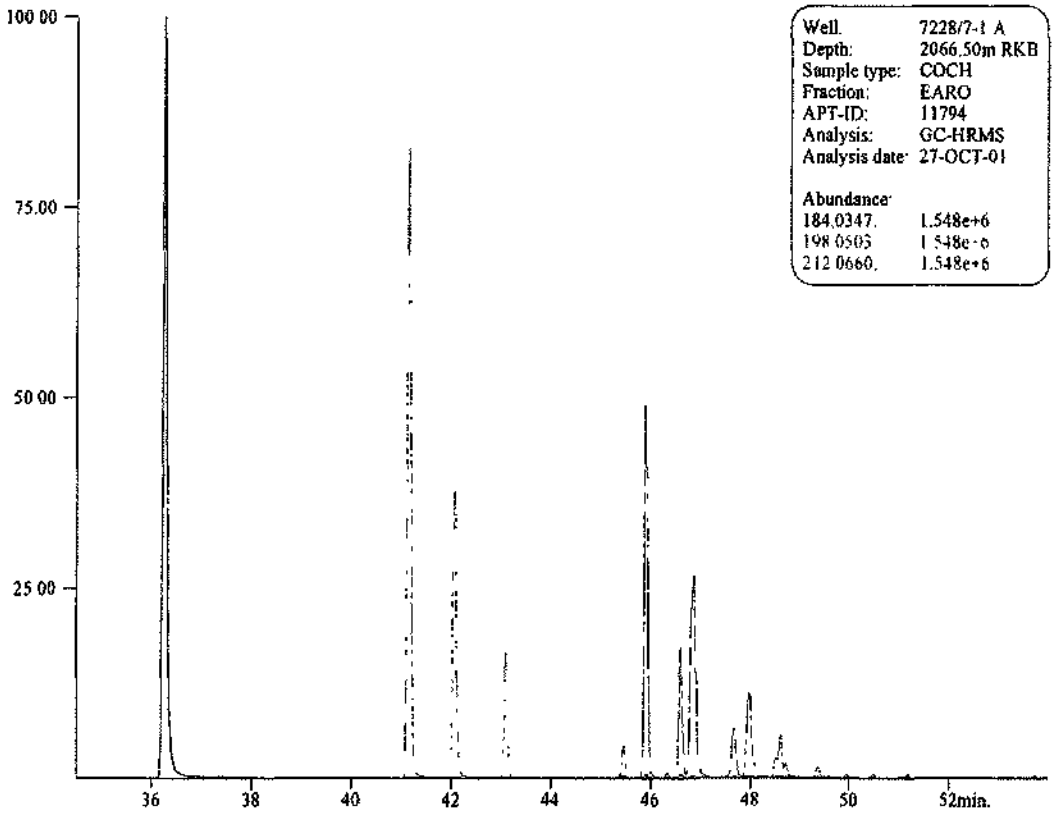

100.00
75.00
50.00
25.00
36
38
40
42
44
46
48
50
52min.
Well: 7228/7-1 B
Depth: 2165.50m RKB
Sample type: SWC
Fraction: OARO
APT-ID: 11852
Analysis: GC-HRMS
Analysis date: 26-OCT-01
Abundance
184.0347 2.919e+6
198.0503 2.919e+6
212.0660 2.919e+6

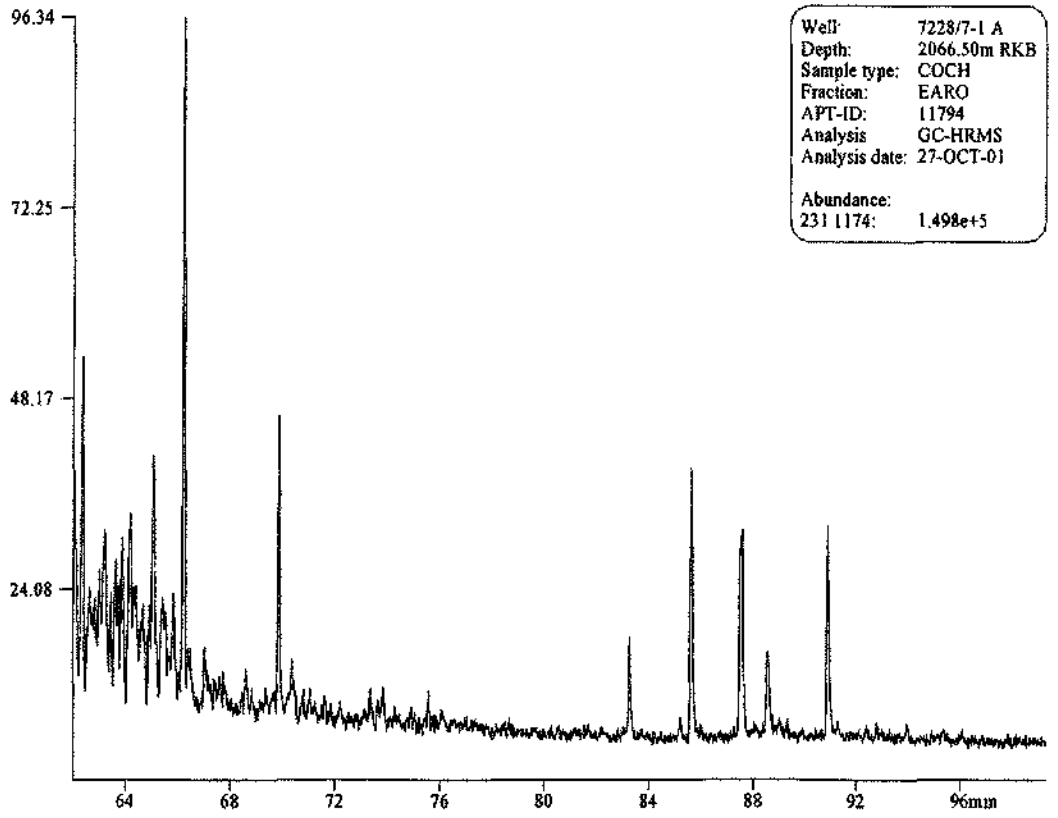

37.04
27.78
18.52
9.26
64
68
72
76
80
84
88
92
96min
Well: 7228/7-1 B
Depth: 2165.50m RKB
Sample type SWC
Fraction: OARO
APT-ID: 11852
Analysis. GC-HRMS
Analysis date: 26-OCT-01
Abundance.
231.1174: 2.535e+5

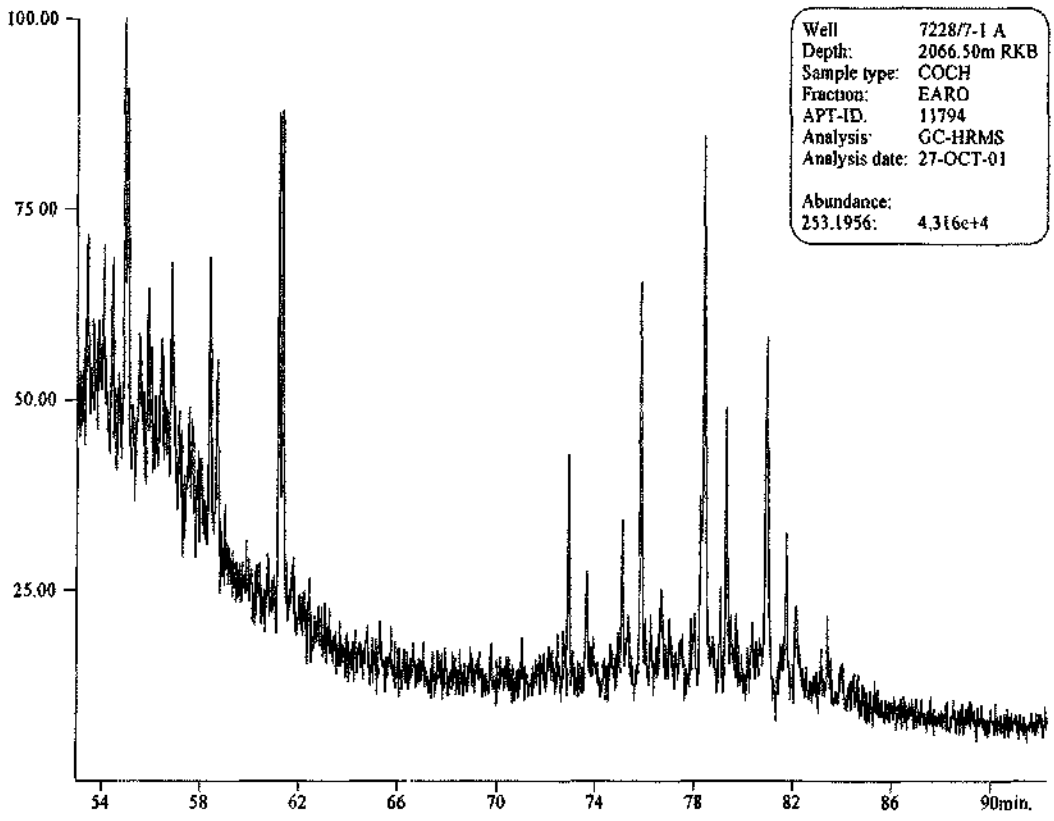

78.00
58.50
39.00
19.50
54
58
62
66
70
74
78
82
86
90min
Well: 7228/7-1 B
Depth: 2165.50m RKB
Sample type: SWC
Fraction: OARO
APT-ID: 11852
Analysis: GC-HRMS
Analysis date: 26-OCT-01
Abundance:
253 1956: 2.603e+4

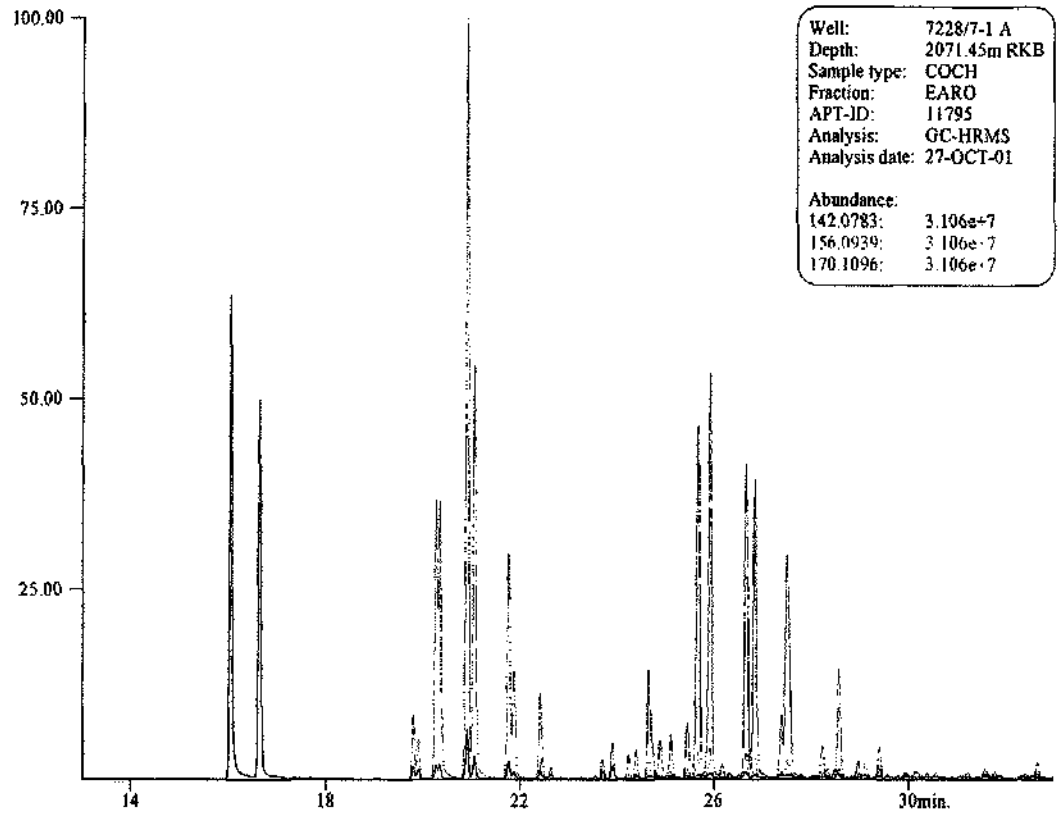

100 00
75 00
50 00
25 00
14
18
22
26
30min
Well 7228/7-1 A
Depth 2066 50m RKB
Sample type COCH
Fraction EARO
APT-ID 11794
Analysis GC-HRMS
Analysis date 27-OCT-01
Abundance
142 0783 1 365e+7
170 1096 1 365e+7

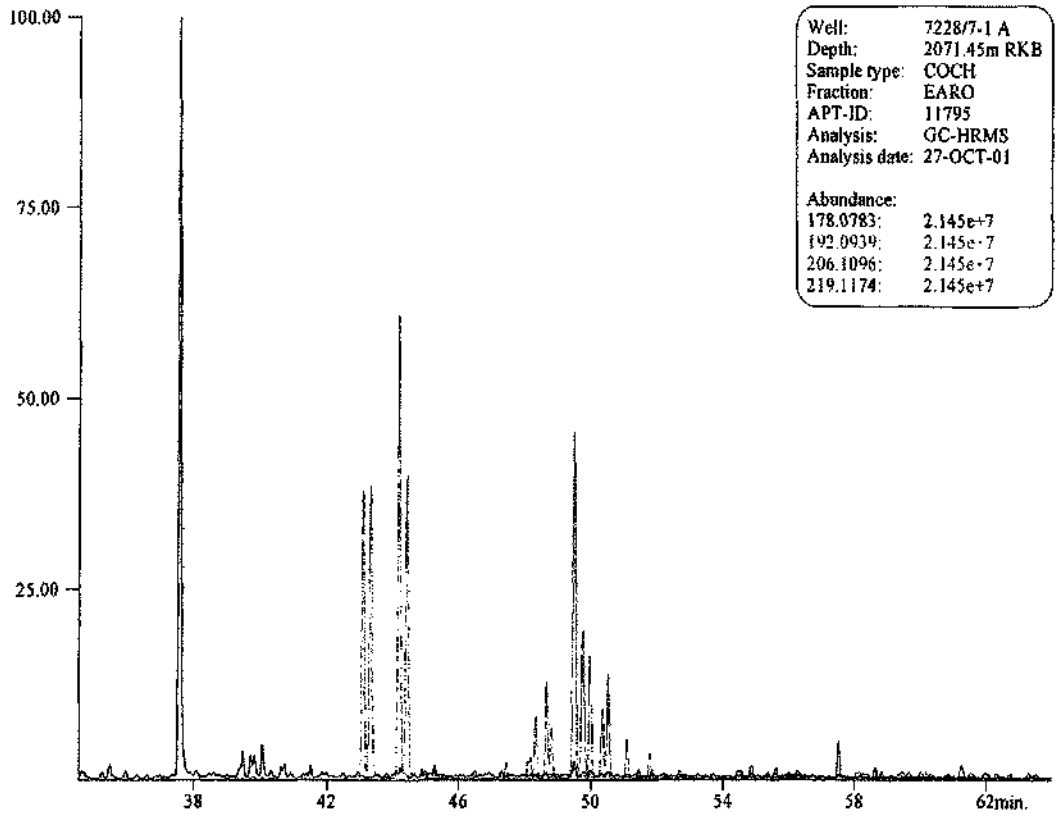

100 00
75 00
50 00
25 00
38
42
46
50
54
58
62min
Well 7228/7-1 A
Depth 2066 50m RKB
Sample type COCH
Fraction EARO
APT-ID 11794
Analysis GC-HRMS
Analysis date 27-OCT-01
Abundance
178 0783 1 492e+7
206 1096 1 492e+7
219 1174 1 492e+7

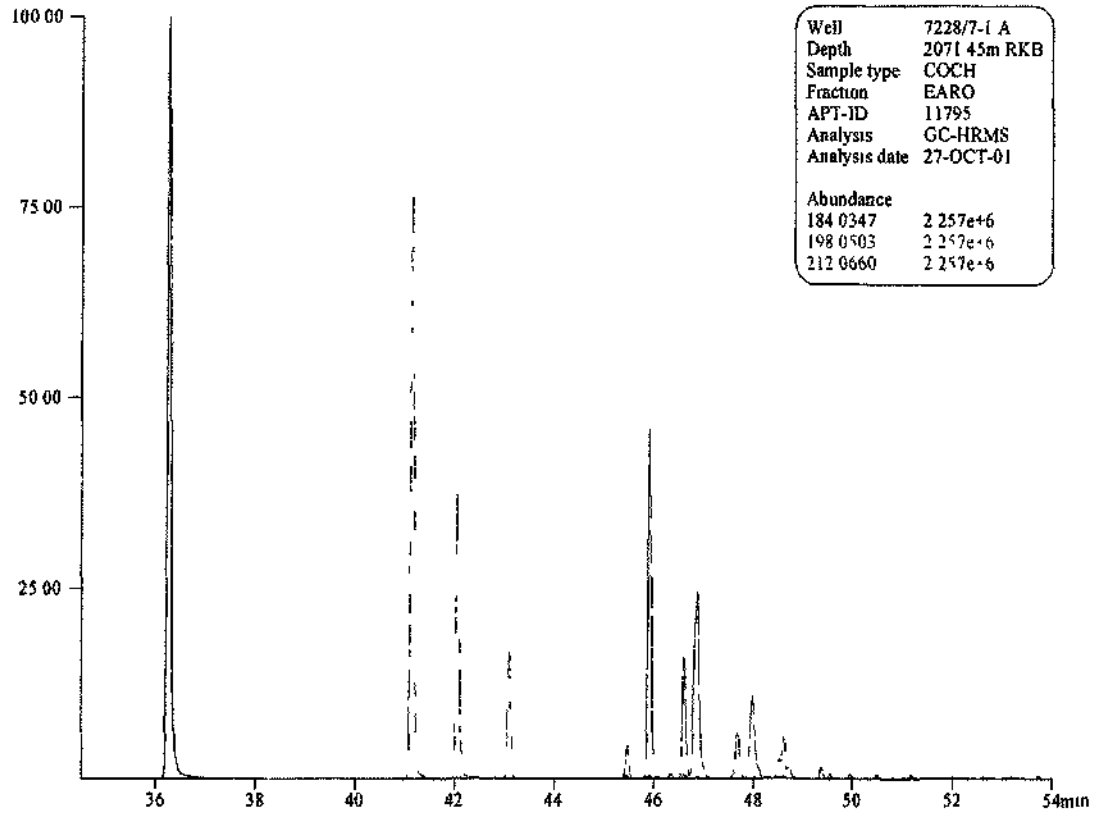

100 00
75.00
50 00
25 00
36
38
40
42
44
46
48
50
52min.
Well: 7228/7-1 A
Depth: 2066.50m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11794
Analysis: GC-HRMS
Analysis date: 27-OCT-01
Abundance:
184.0347: 1.548e+6
198.0503: 1.548e+6
212.0660: 1.548e+6

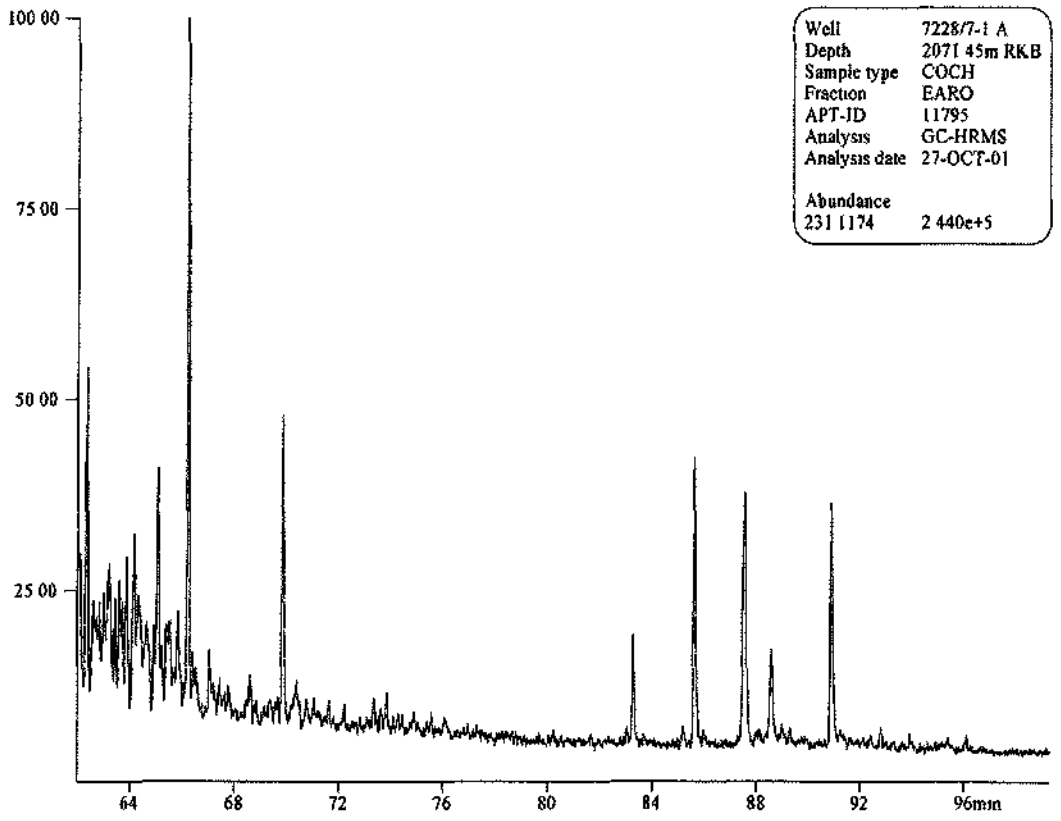

96.34
72.25
48.17
24.08
64
68
72
76
80
84
88
92
96mm
Well: 7228/7-1 A
Depth: 2066.50m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11794
Analysis: GC-HRMS
Analysis date: 27-OCT-01
Abundance:
231.1174: 1.498e+5

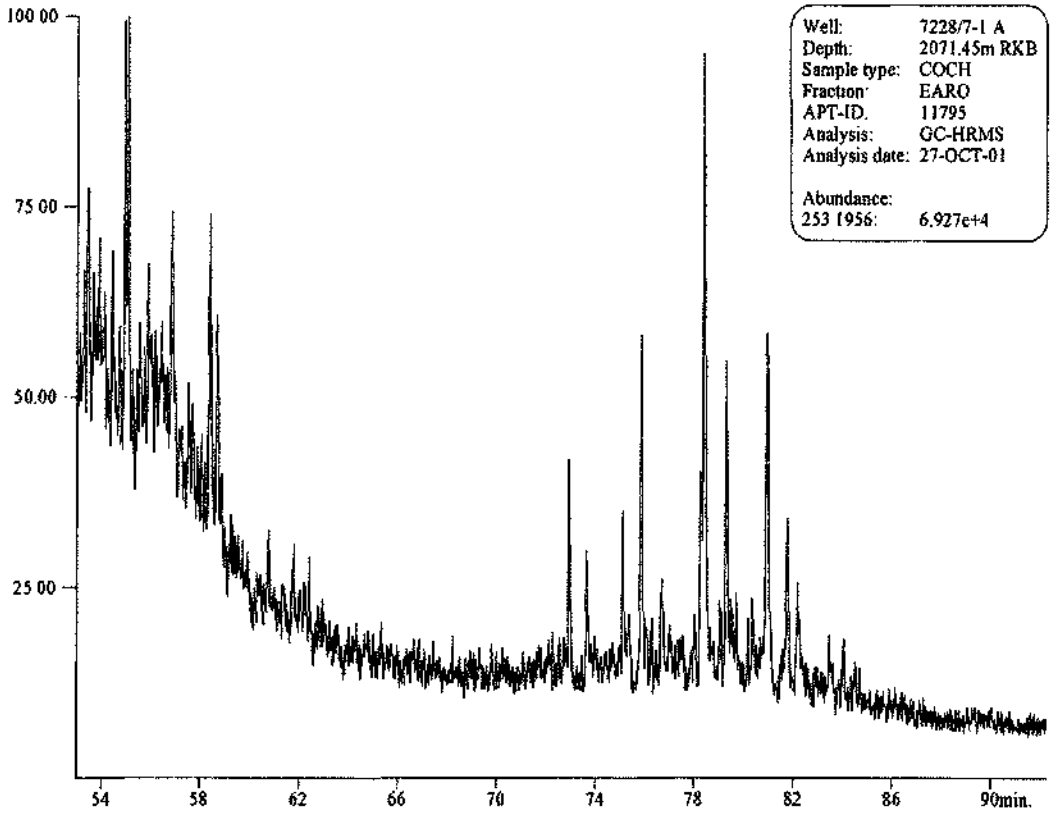

Well 7228/7-1 A
Depth: 2066.50m RKB
Sample type: COCH
Fraction: EARO
APT-ID. 11794
Analysis GC-HRMS
Analysis date: 27-OCT-01
Abundance:
253.1956: 4.316e+4
100.00
75.00
50.00
25.00
54
58
62
66
70
74
78
82
86
90min.

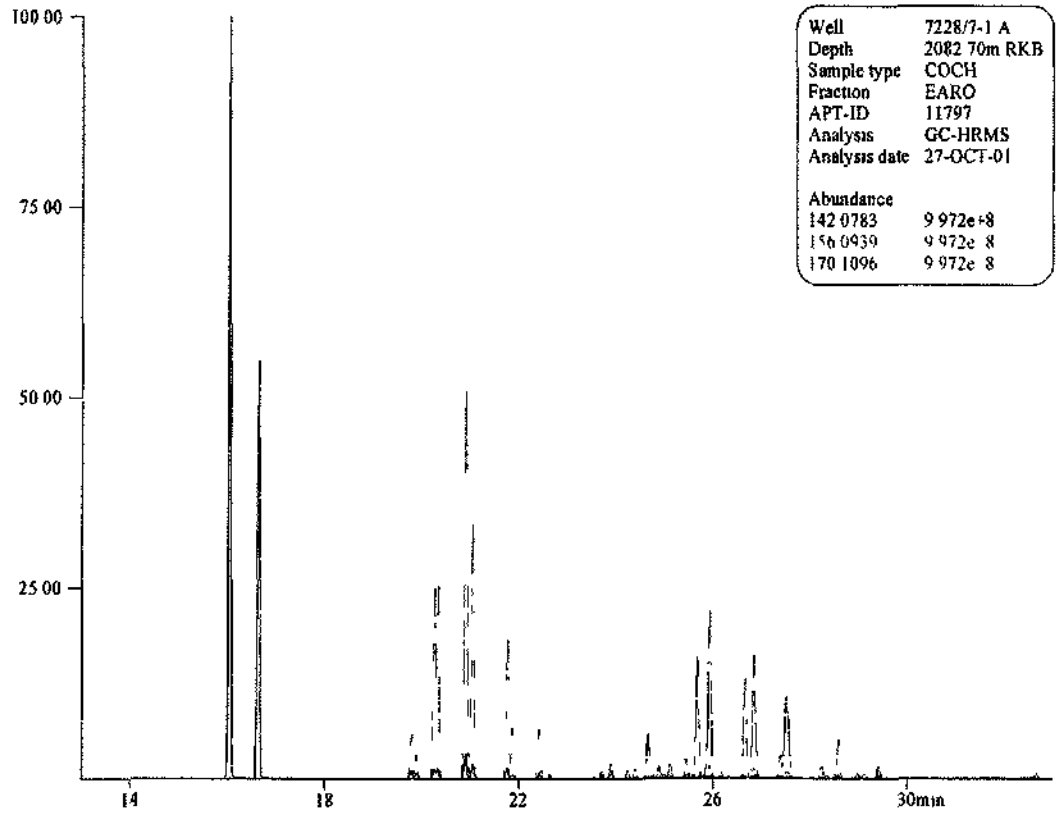

100.00
75.00
50.00
25.00
14
18
22
26
30min.
Well: 7228/7-1 A
Depth: 2071.45m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11795
Analysis: GC-HRMS
Analysis date: 27-OCT-01
Abundance:
142.0783: 3.106e+7
156.0939: 3.106e+7
170.1096: 3.106e+7

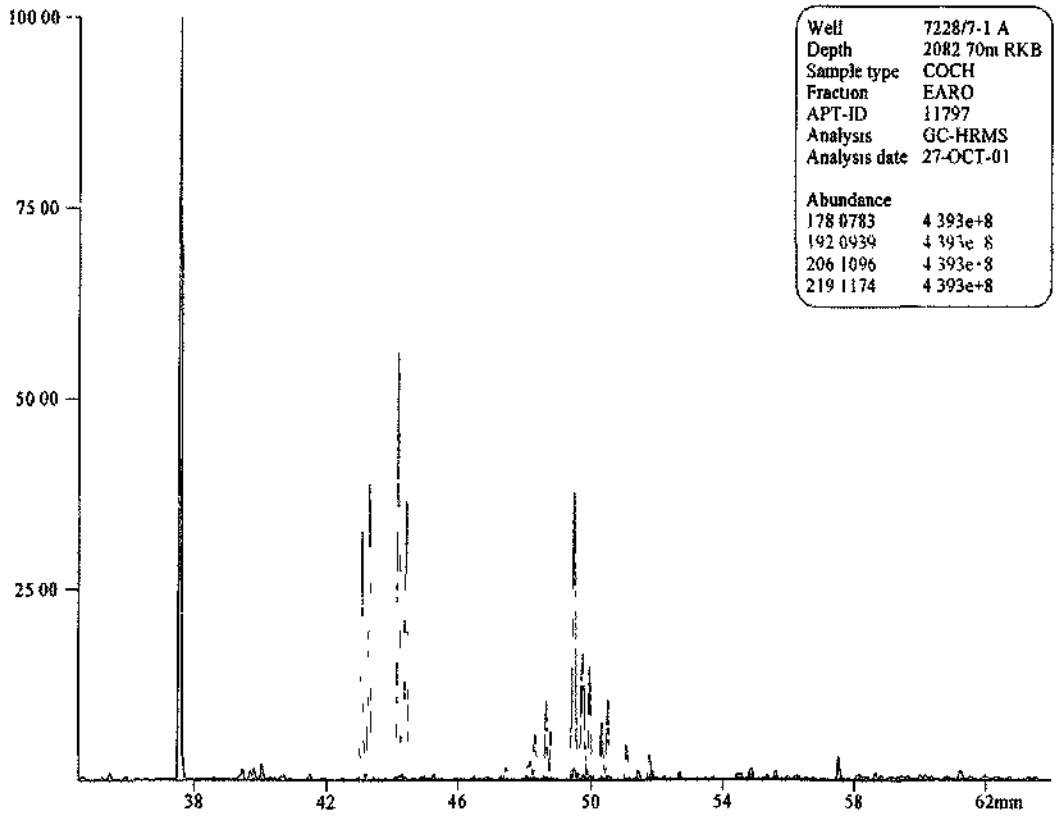

100.00
75.00
50.00
25.00
38
42
46
50
54
58
62min.
Well: 7228/7-1 A
Depth: 2071.45m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11795
Analysis: GC-HRMS
Analysis date: 27-OCT-01
Abundance:
178.0783: 2.145e+7
192.0939: 2.145e+7
206.1096: 2.145e+7
219.1174: 2.145e+7

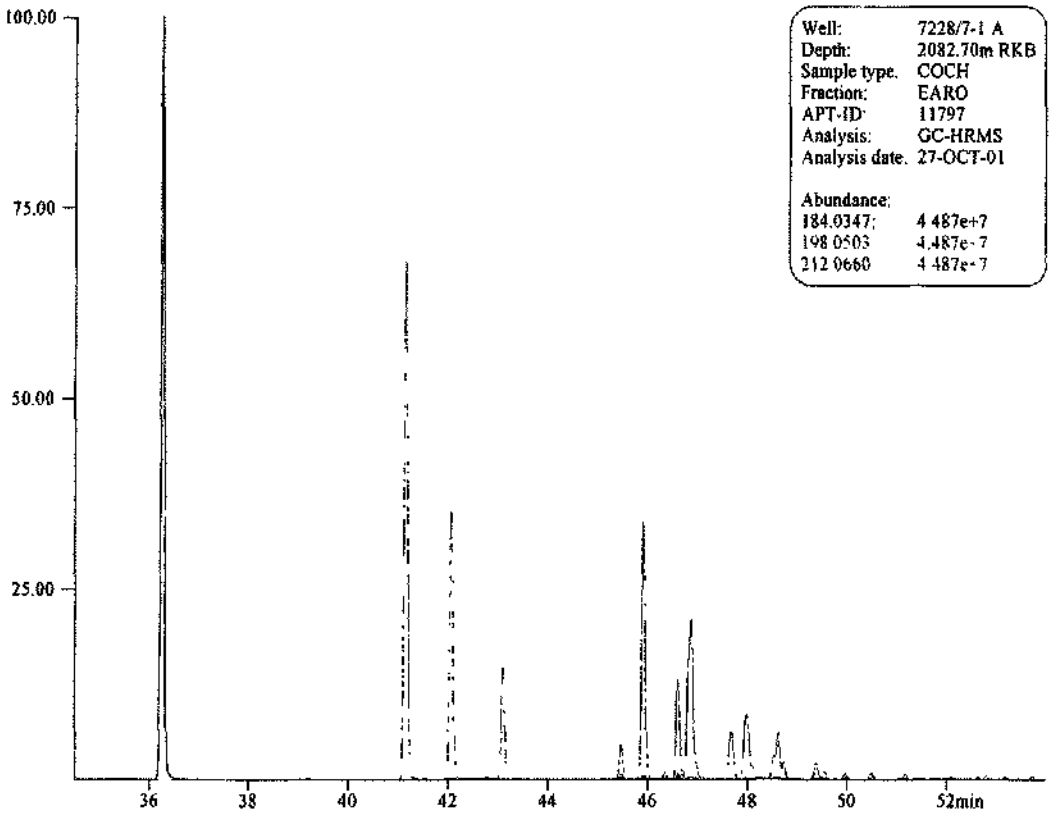

100 00
75 00
50 00
25 00
36
38
40
42
44
46
48
50
52
54min
Well 7228/7-1 A
Depth 2071 45m RKB
Sample type COCH
Fraction EARO
APT-ID 11795
Analysis GC-HRMS
Analysis date 27-OCT-01
Abundance
184 0347 2 257e+6
198 0503 2 257e+6
212 0660 2 257e+6

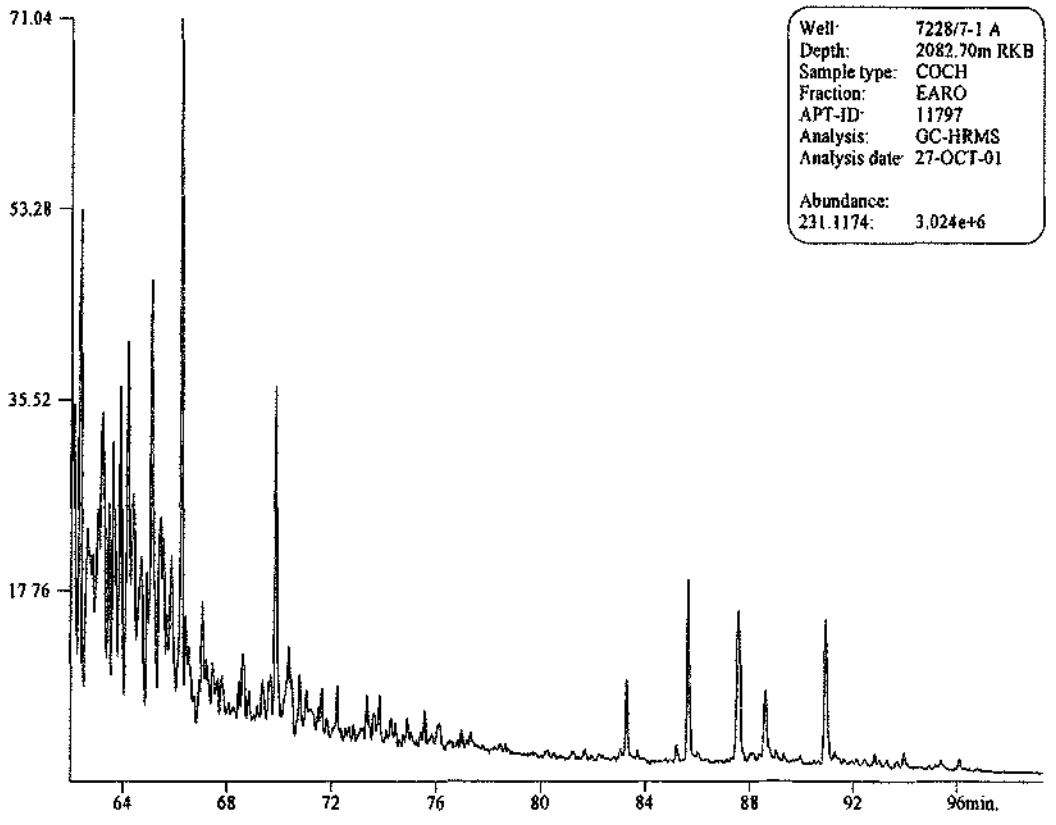

100 00
75 00
50 00
25 00
64
68
72
76
80
84
88
92
96min
Well 7228/7-1 A
Depth 2071 45m RKB
Sample type COCH
Fraction EARO
APT-ID 11795
Analysis GC-HRMS
Analysis date 27-OCT-01
Abundance
231 1174 2 440e+5

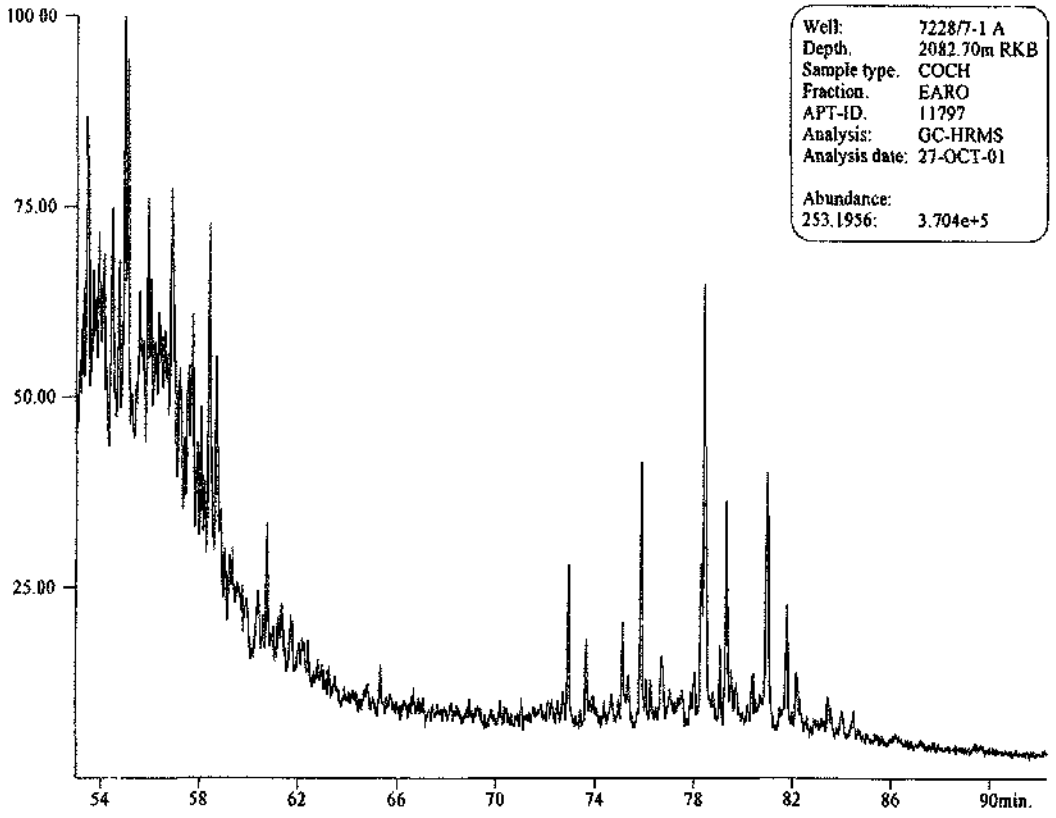

Well: 7228/7-1 A
Depth: 2071.45m RKB
Sample type: COCH
Fraction: EARO
APT-ID. 11795
Analysis: GC-HRMS
Analysis date: 27-OCT-01
Abundance:
253 1956: 6.927e+4
100 00
75 00
50.00
25 00
54
58
62
66
70
74
78
82
86
90min.

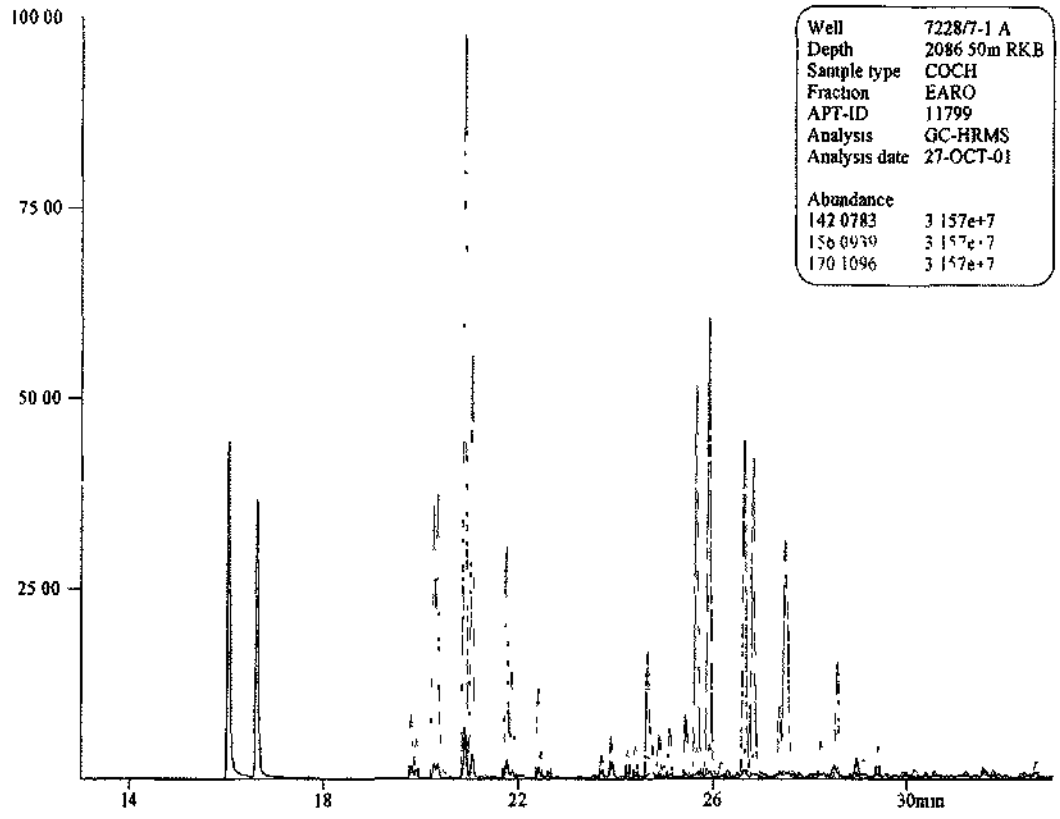

100 00
75 00
50 00
25 00
14
18
22
26
30min
Well 7228/7-1 A
Depth 2082 70m RKB
Sample type COCH
Fraction EARO
APT-ID 11797
Analysis GC-HRMS
Analysis date 27-OCT-01
Abundance
142 0783 9 972e+8
156 0939 9 972e 8
170 1096 9 972e 8

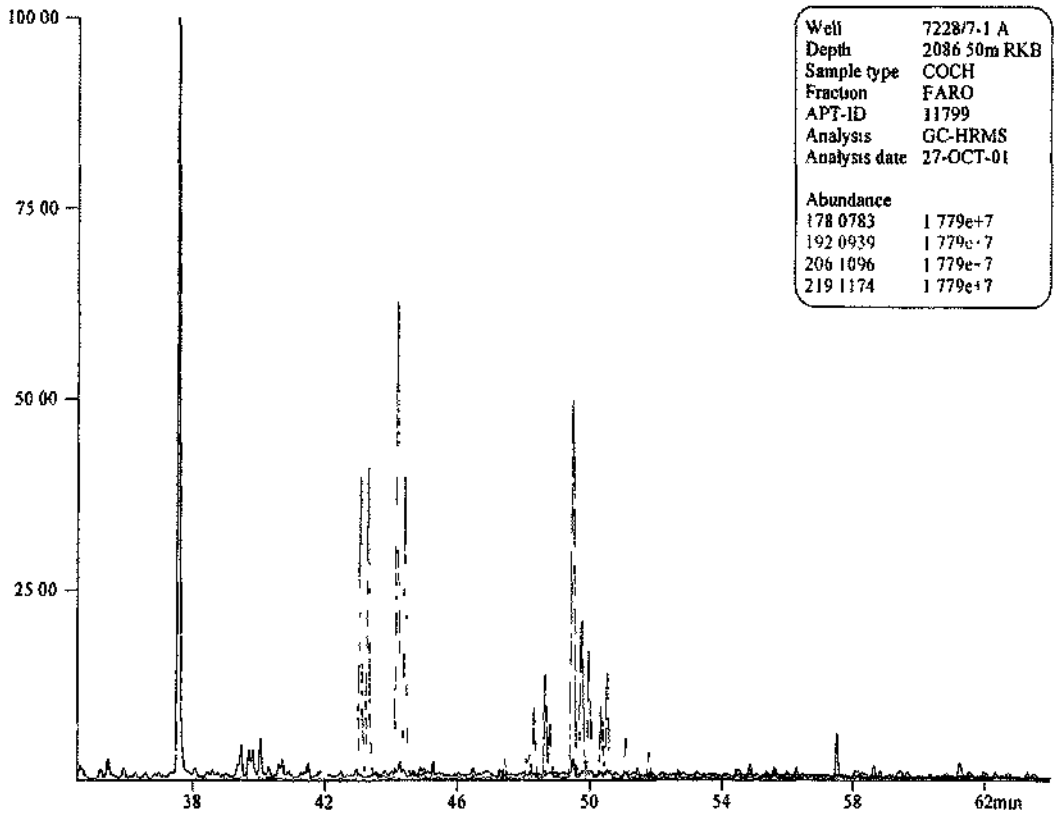

100 00
75 00
50 00
25 00
38
42
46
50
54
58
62mn
Well 7228/7-1 A
Depth 2082 70m RKB
Sample type COCH
Fraction EARO
APT-ID 11797
Analysis GC-HRMS
Analysis date 27-OCT-01
Abundance
178 0783 4 393e+8
192 0939 4 393e 8
206 1096 4 393e+8
219 1174 4 393e+8

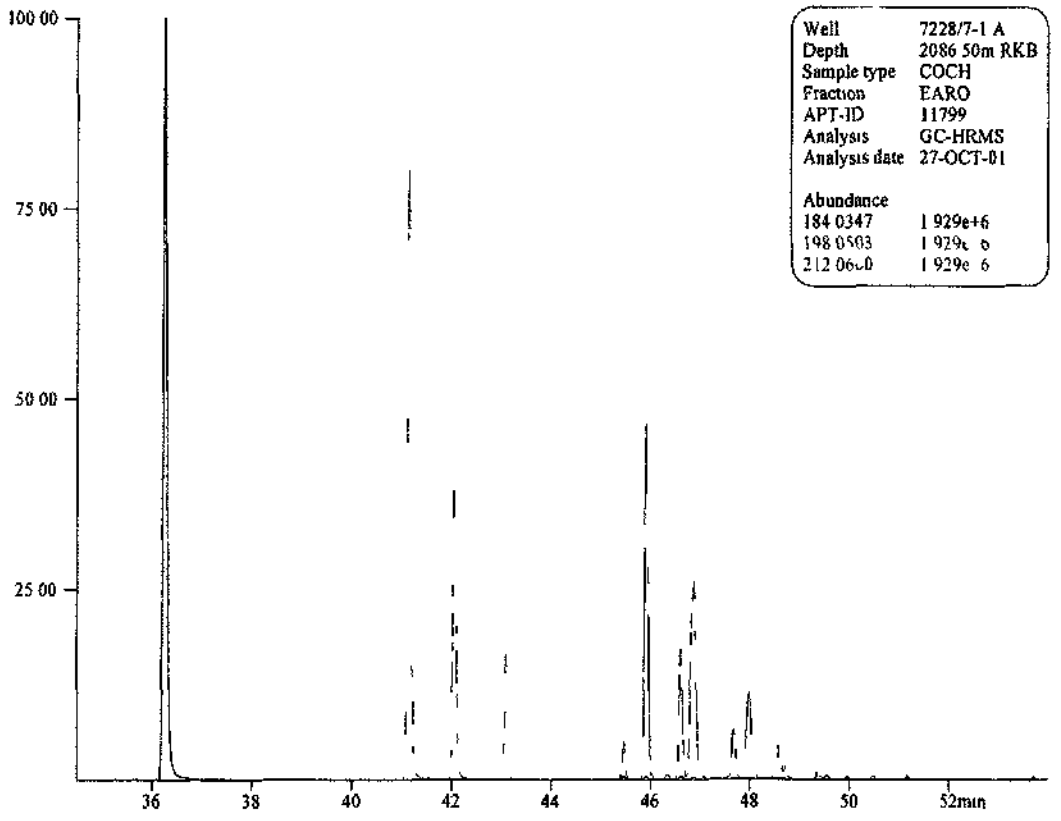

100.00
75.00
50.00
25.00
36
38
40
42
44
46
48
50
52min
Well: 7228/7-1 A
Depth: 2082.70m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11797
Analysis: GC-HRMS
Analysis date: 27-OCT-01
Abundance:
184.0347: 4.487e+7
198.0503: 4.487e+7
212.0660: 4.487e+7

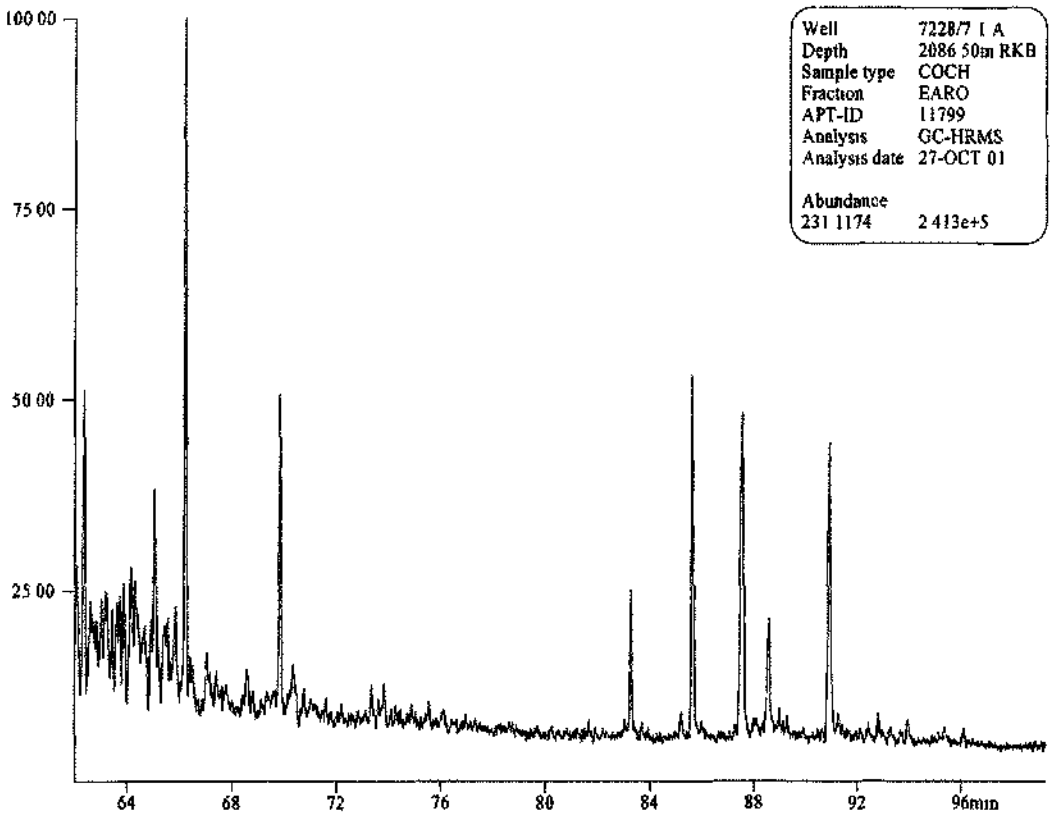

71.04
53.28
35.52
17.76
64
68
72
76
80
84
88
92
96min.
Well: 7228/7-1 A
Depth: 2082.70m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11797
Analysis: GC-HRMS
Analysis date: 27-OCT-01
Abundance:
231.1174: 3.024e+6

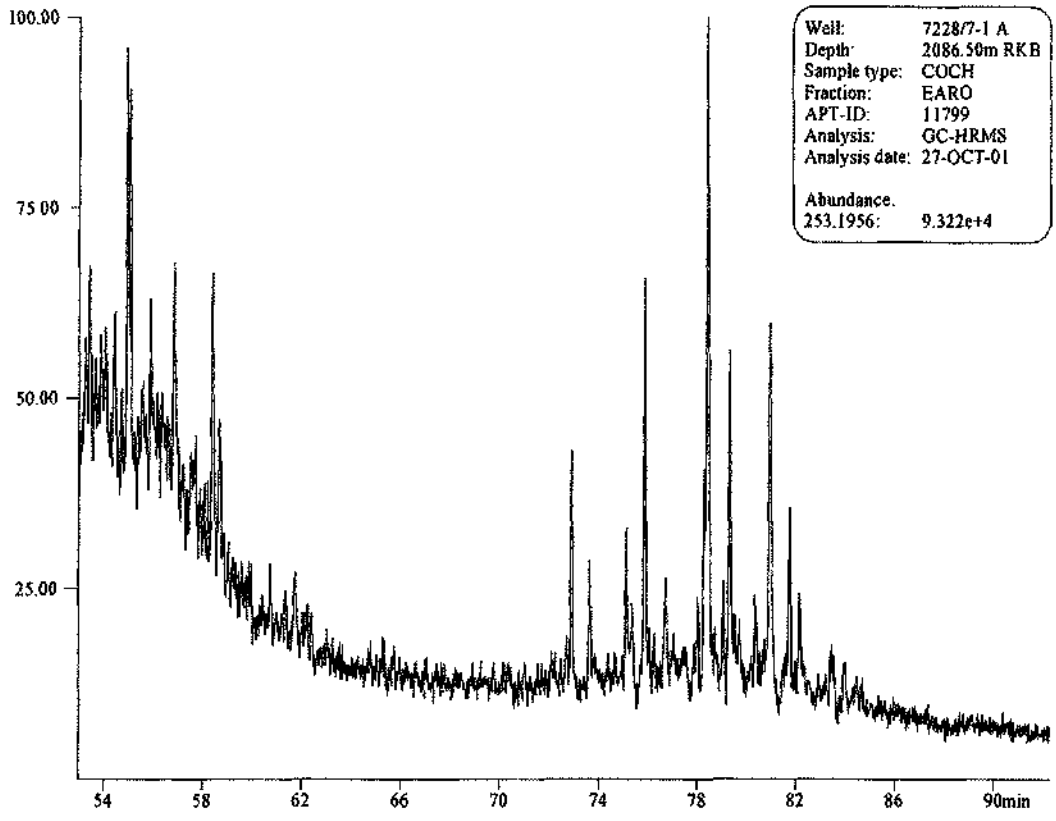

100.00
75.00
50.00
25.00
54
58
62
66
70
74
78
82
86
90min.
Well: 7228/7-1 A
Depth. 2082.70m RKB
Sample type. COCH
Fraction. EARO
APT-ID. 11797
Analysis: GC-HRMS
Analysis date: 27-OCT-01
Abundance:
253.1956: 3.704e+5

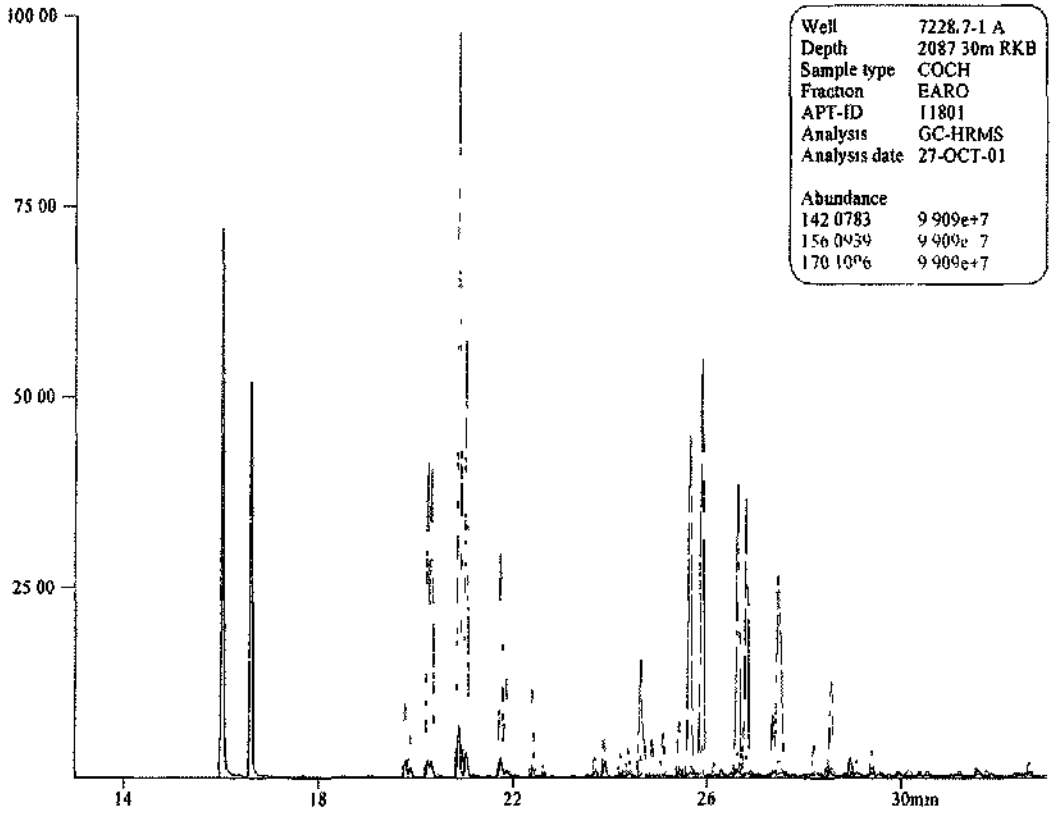

100 00
75 00
50 00
25 00
14
18
22
26
30min
Well 7228/7-1 A
Depth 2086 50m RKB
Sample type COCH
Fraction EARO
APT-ID 11799
Analysis GC-HRMS
Analysis date 27-OCT-01
Abundance
142 0783 3 157e+7
156 0939 3 157e+7
170 1096 3 157e+7

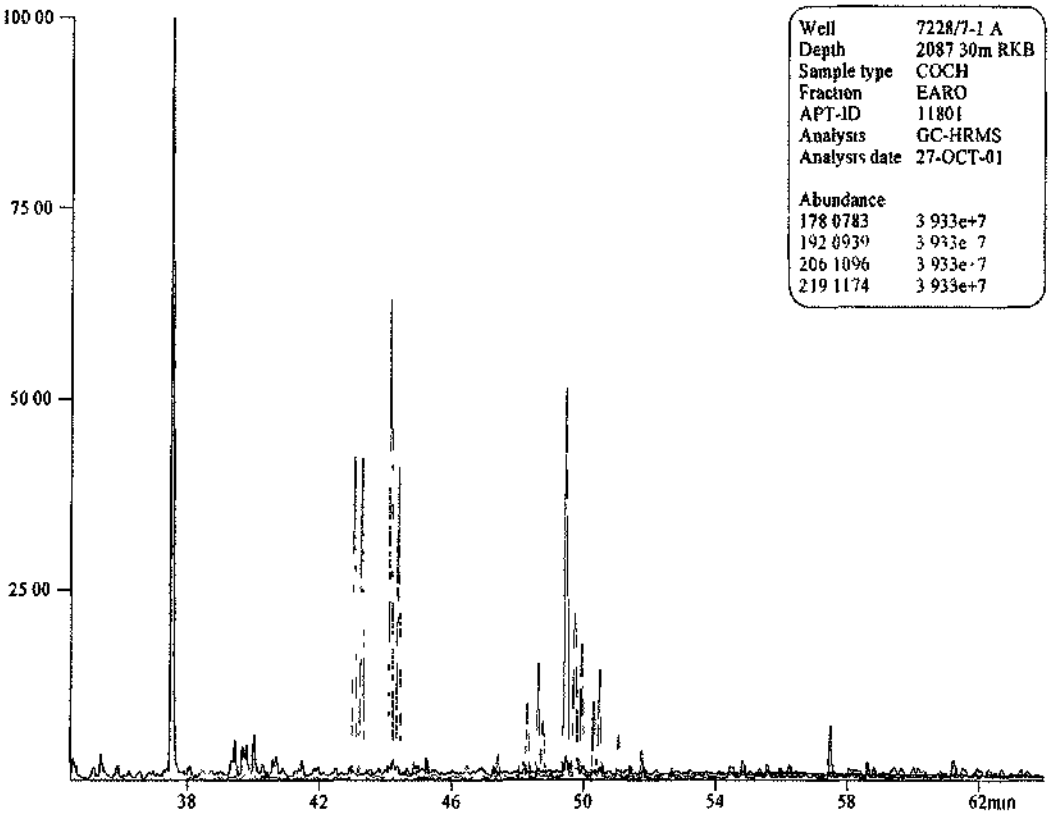

100 00
75 00
50 00
25 00
38
42
46
50
54
58
62min
Well 7228/7-1 A
Depth 2086 50m RKB
Sample type COCH
Fraction FARO
APT-ID 11799
Analysis GC-HRMS
Analysis date 27-OCT-01
Abundance
178 0783 1 779e+7
192 0939 1 779e+7
206 1096 1 779e+7
219 1174 1 779e+7

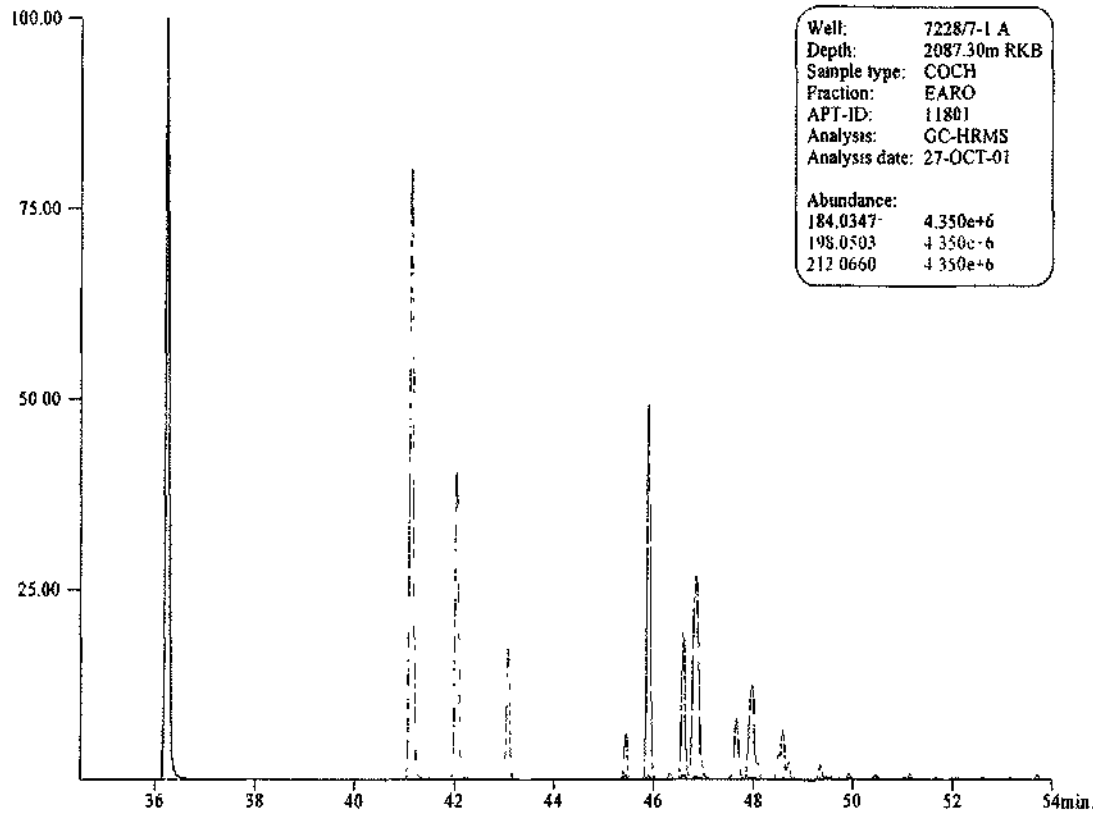

100 00
75 00
50 00
25 00
36
38
40
42
44
46
48
50
52min
Well 7228/7-1 A
Depth 2086 50m RKB
Sample type COCH
Fraction EARO
APT-ID 11799
Analysis GC-HRMS
Analysis date 27-OCT-01
Abundance
184 0347 1 929e+6
198 0503 1 929e 6
212 0660 1 929e 6

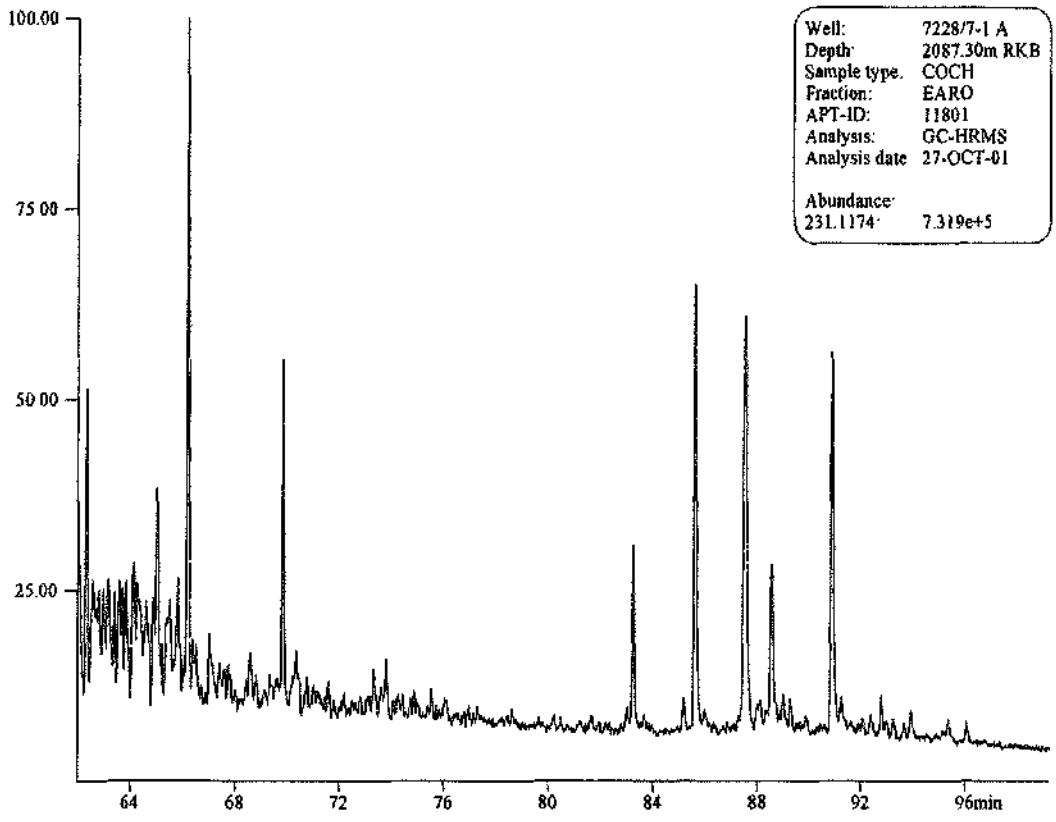

100 00
75 00
50 00
25 00
64
68
72
76
80
84
88
92
96min
Well 7228/7 1 A
Depth 2086 50m RKB
Sample type COCH
Fraction EARO
APT-ID 11799
Analysis GC-HRMS
Analysis date 27-OCT 01
Abundance
231 1174 2 413e+5

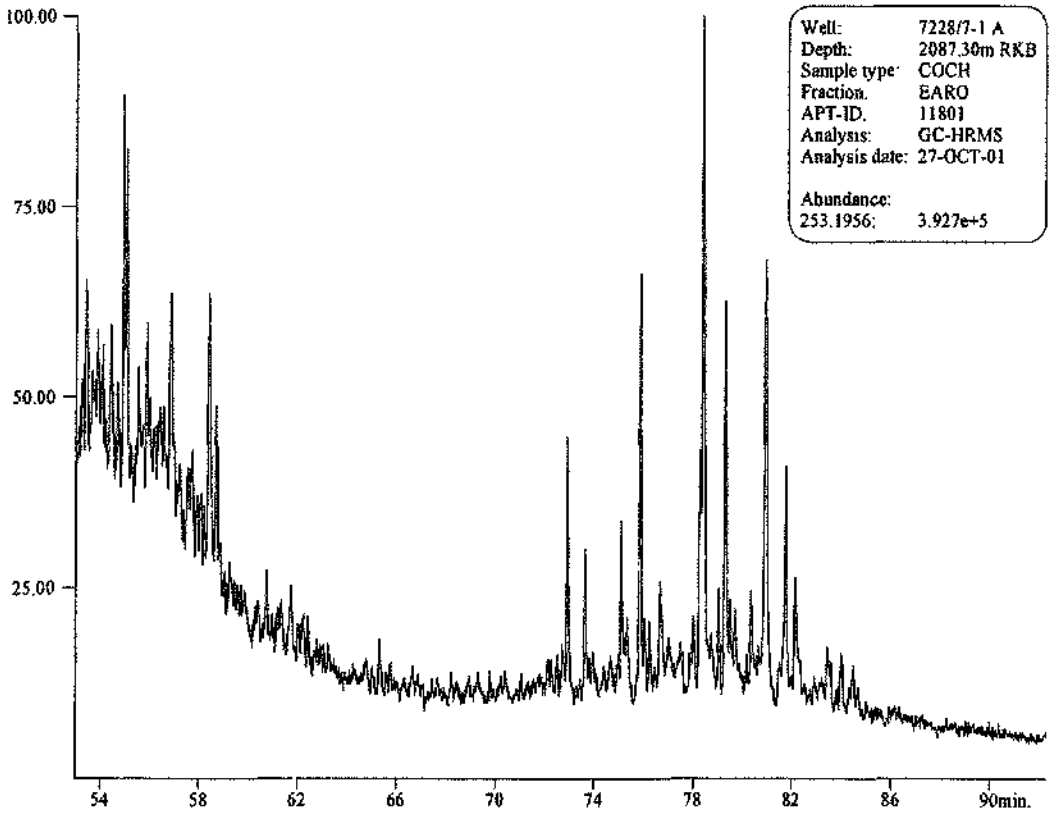

Well: 7228/7-1 A
Depth: 2086.50m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11799
Analysis: GC-HRMS
Analysis date: 27-OCT-01
Abundance
253.1956: 9.322e+4
100.00
75.00
50.00
25.00
54
58
62
66
70
74
78
82
86
90min

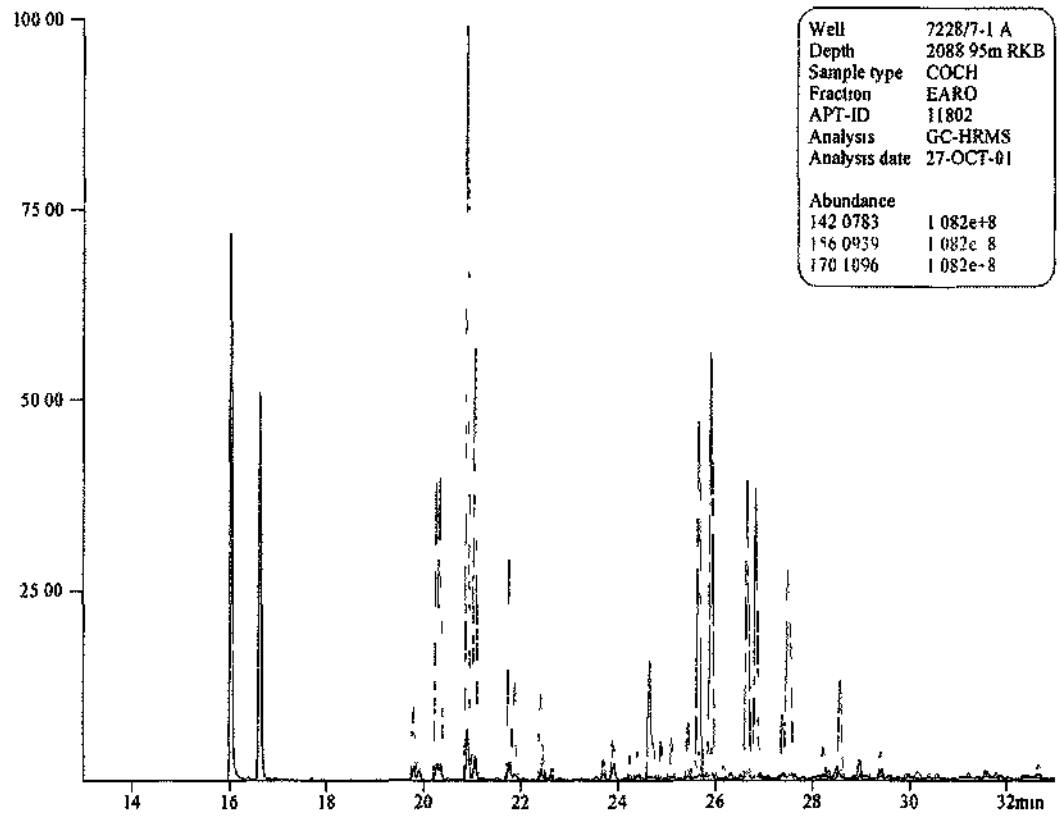

100 00
75 00
50 00
25 00
14
18
22
26
30mn
Well 7228.7-1 A
Depth 2087 30m RKB
Sample type COCH
Fraction EARO
APT-ID 11801
Analysis GC-HRMS
Analysis date 27-OCT-01
Abundance
142 0783 9 909e+7
156 0939 9 909e 7
170 1096 9 909e+7

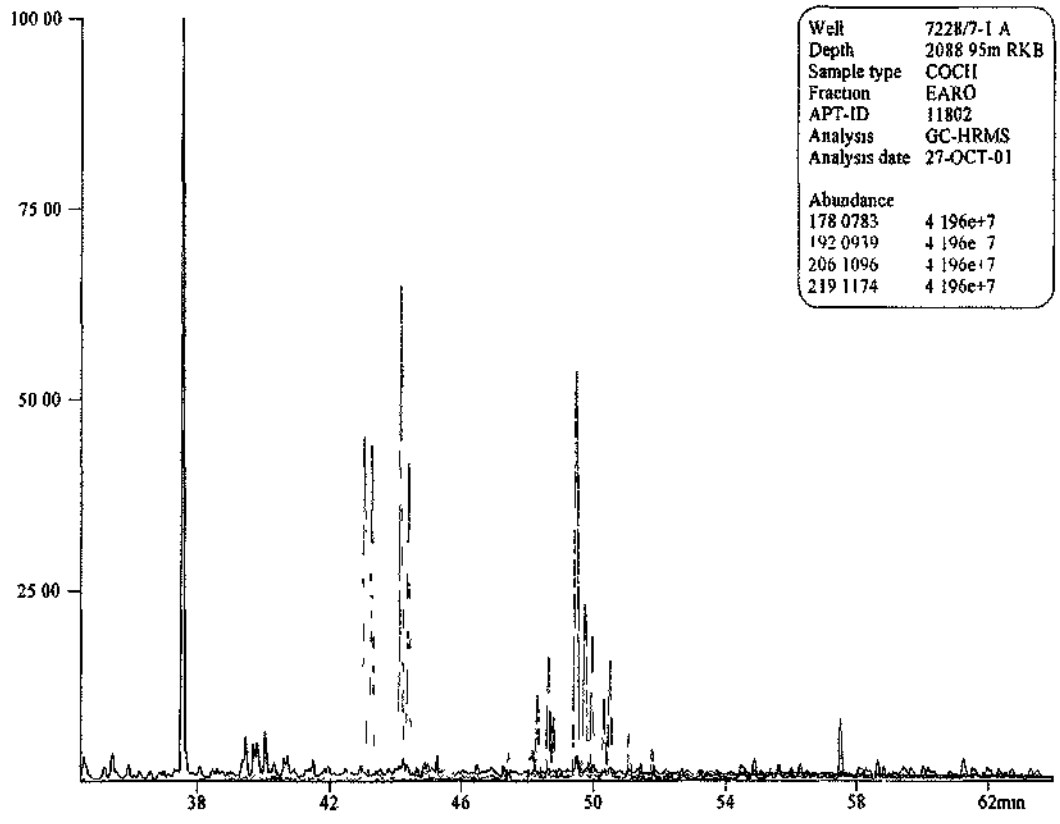

100 00
75 00
50 00
25 00
38
42
46
50
54
58
62mn
Well 7228/7-1 A
Depth 2087 30m RKB
Sample type COCH
Fraction EARO
APT-ID 11801
Analysis GC-HRMS
Analysis date 27-OCT-01
Abundance
178 0783 3 933e+7
192 0939 3 933e 7
206 1096 3 933e+7
219 1174 3 933e+7

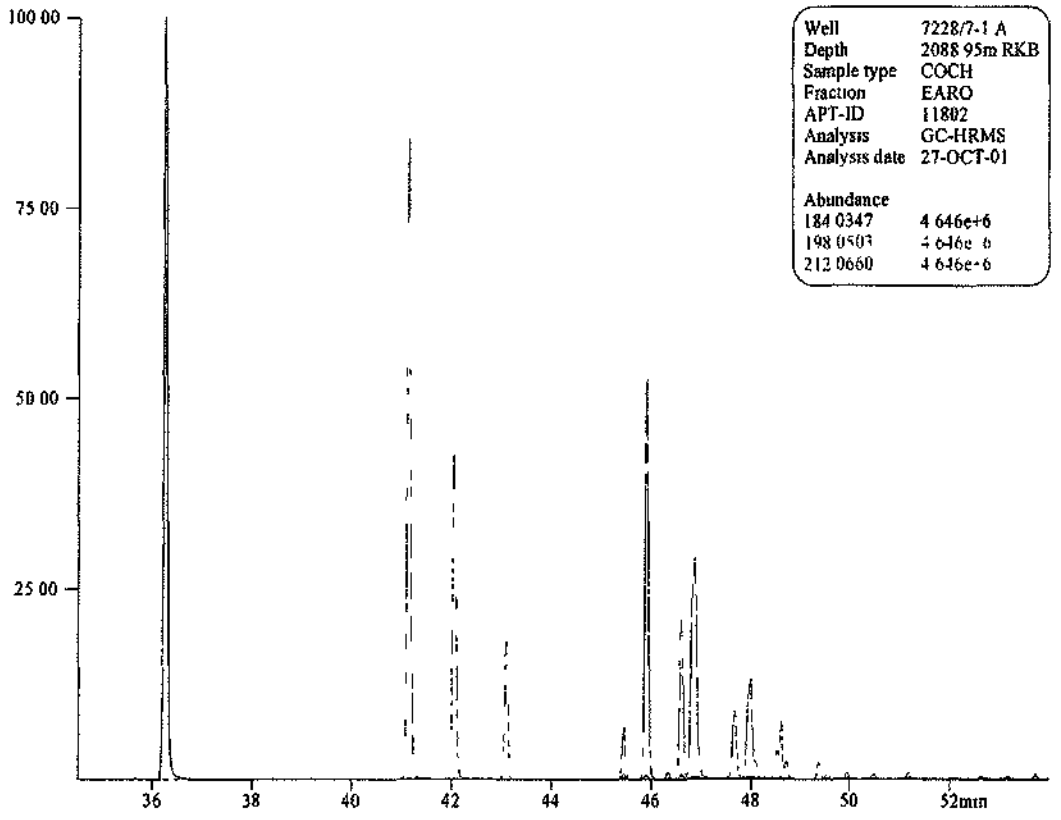

100.00
75.00
50.00
25.00
36
38
40
42
44
46
48
50
52
54min.
Well: 7228/7-1 A
Depth: 2087.30m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11801
Analysis: GC-HRMS
Analysis date: 27-OCT-01
Abundance:
184.0347 4.350e+6
198.0503 4.350e+6
212.0660 4.350e+6

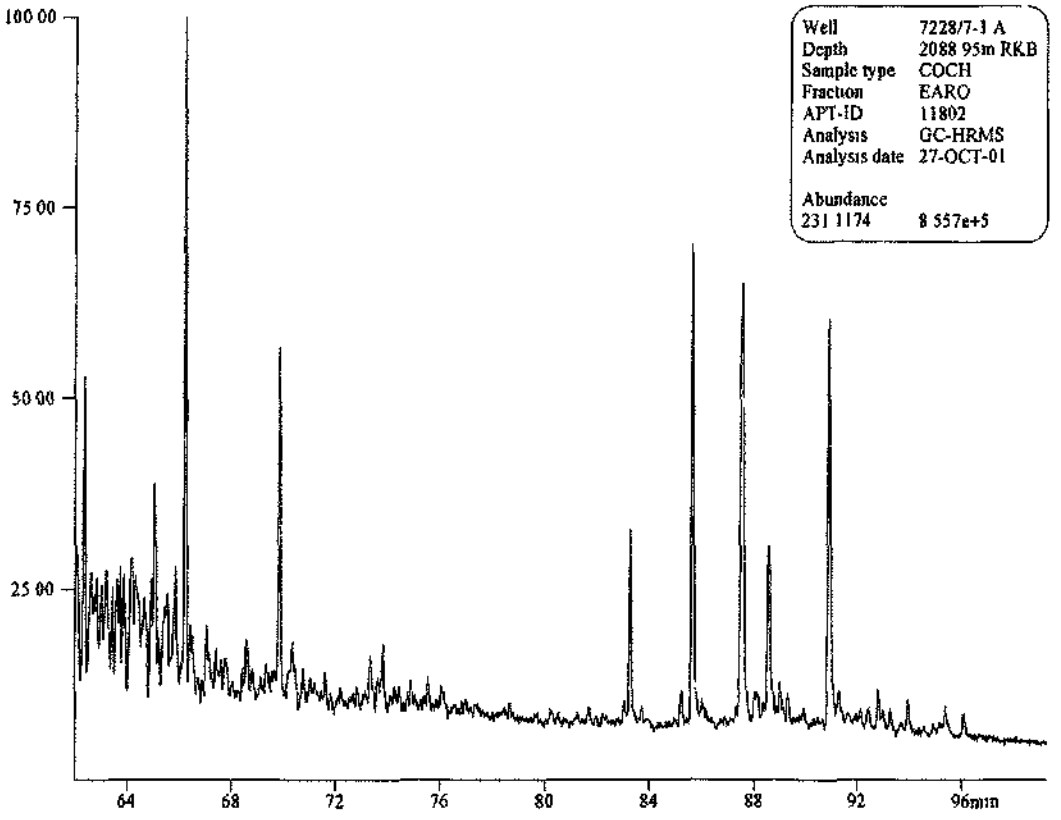

100.00
75.00
50.00
25.00
64
68
72
76
80
84
88
92
96min
Well: 7228/7-1 A
Depth: 2087.30m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11801
Analysis: GC-HRMS
Analysis date: 27-OCT-01
Abundance:
231.1174 7.319e+5

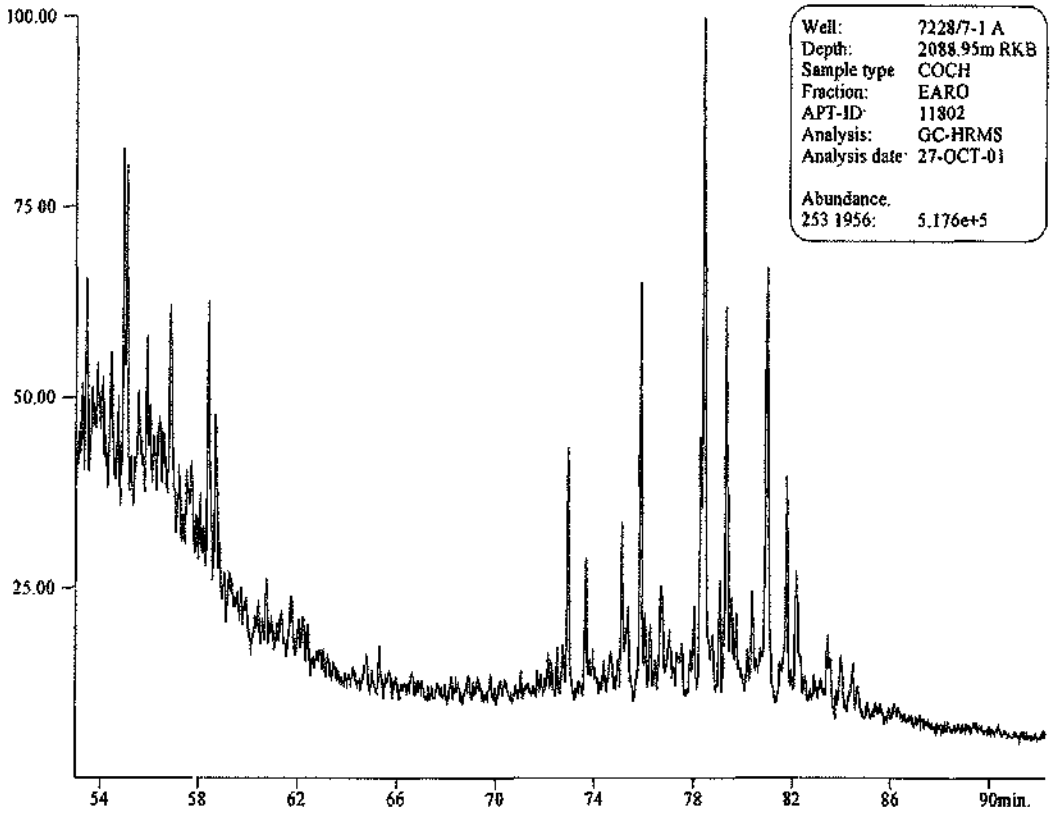

Well: 7228/7-1 A
Depth: 2087.30m RKB
Sample type: COCH
Fraction: EARO
APT-ID. 11801
Analysis: GC-HRMS
Analysis date: 27-OCT-01
Abundance:
253.1956: 3.927e+5
100.00
75.00
50.00
25.00
54
58
62
66
70
74
78
82
86
90min.

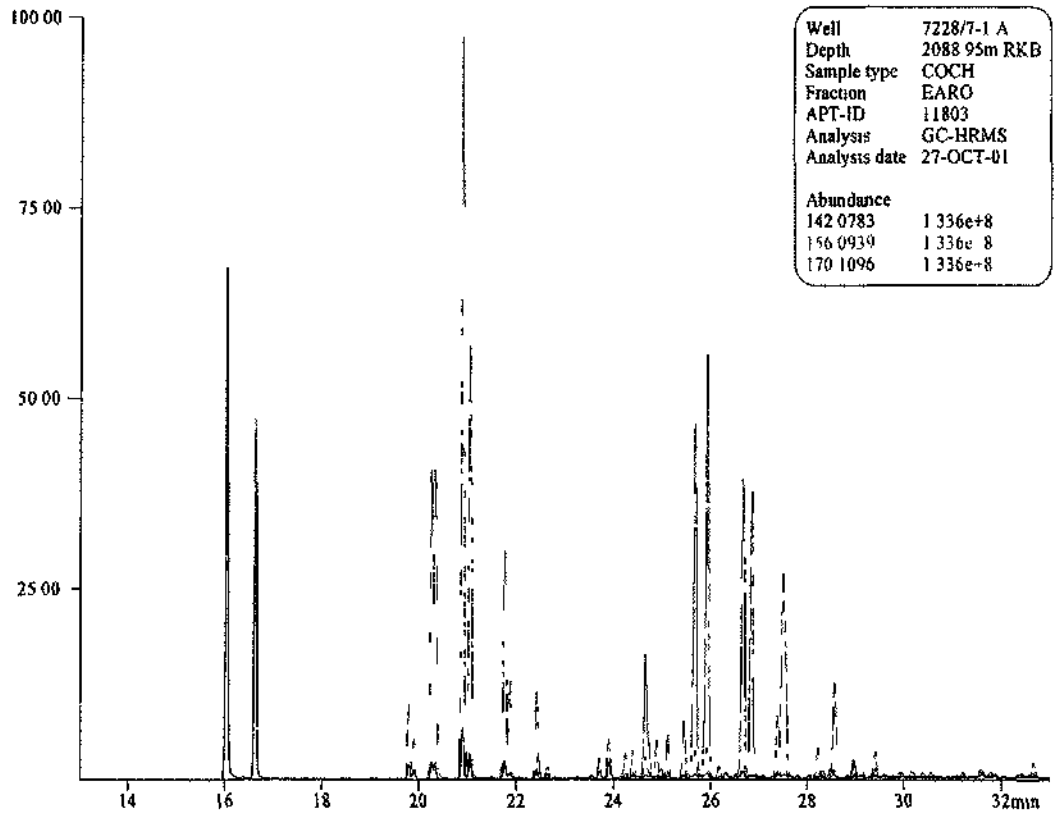

100 00
75 00
50 00
25 00
14
16
18
20
22
24
26
28
30
32min
Well 7228/7-1 A
Depth 2088 95m RKB
Sample type COCH
Fraction EARO
APT-ID 11802
Analysis GC-HRMS
Analysis date 27-OCT-01
Abundance
142 0783 1 082e+8
156 0939 1 082e 8
170 1096 1 082e+8

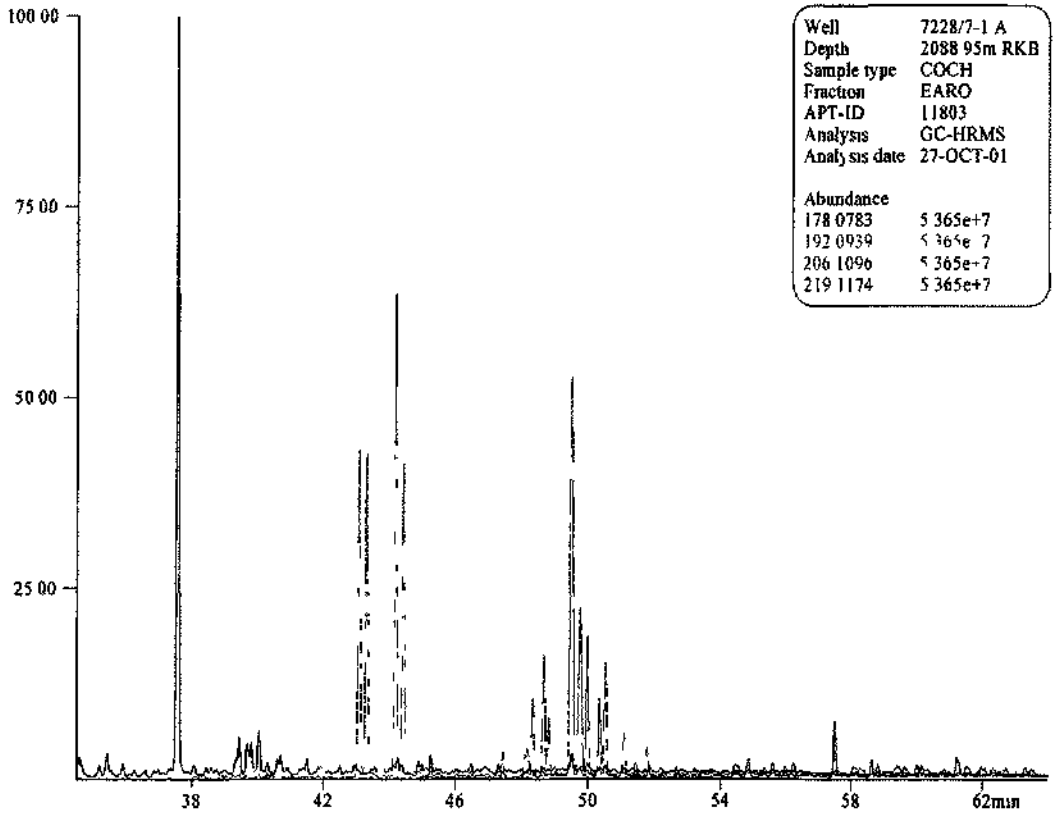

100 00
75 00
50 00
25 00
38
42
46
50
54
58
62min
Well 7228/7-1 A
Depth 2088 95m RKB
Sample type COCH
Fraction EARO
APT-ID 11802
Analysis GC-HRMS
Analysis date 27-OCT-01
Abundance
178 0783 4 196e+7
192 0939 4 196e 7
206 1096 4 196e+7
219 1174 4 196e+7

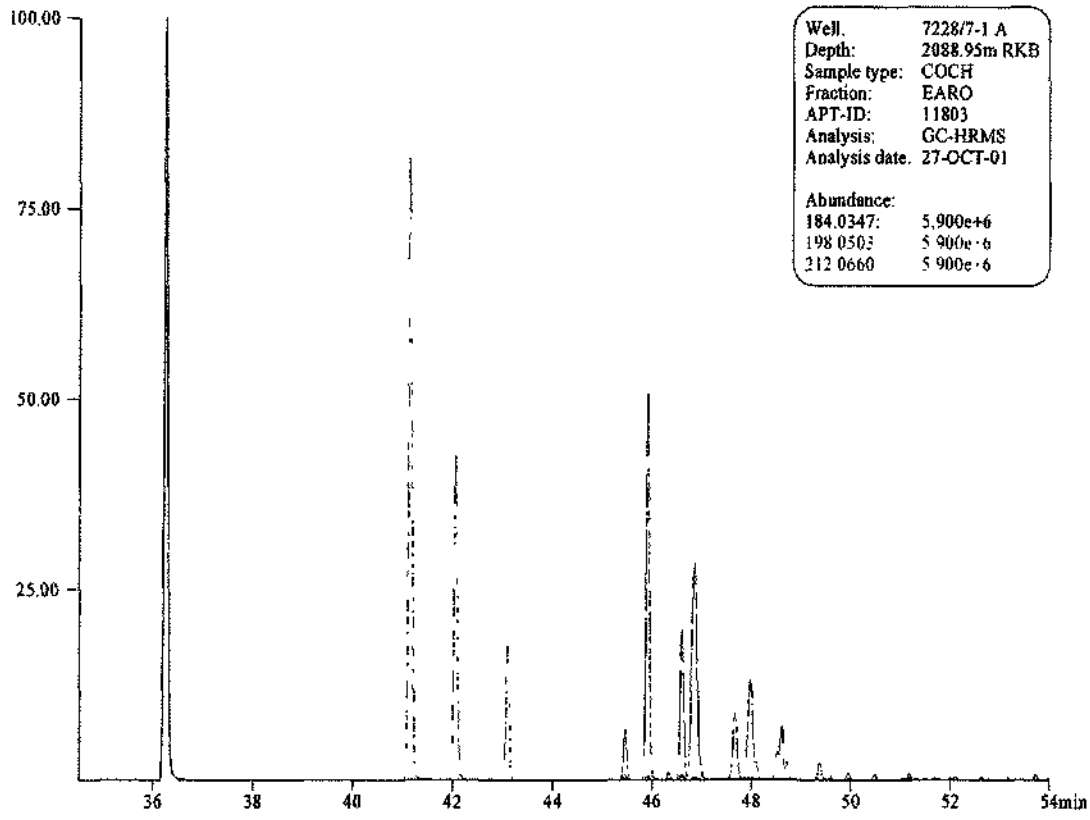

100 00
75 00
50 00
25 00
36
38
40
42
44
46
48
50
52min
Well 7228/7-1 A
Depth 2088 95m RKB
Sample type COCH
Fraction EARO
APT-ID 11802
Analysis GC-HRMS
Analysis date 27-OCT-01
Abundance
184 0347 4 646e+6
198 0503 4 646e+6
212 0660 4 646e+6

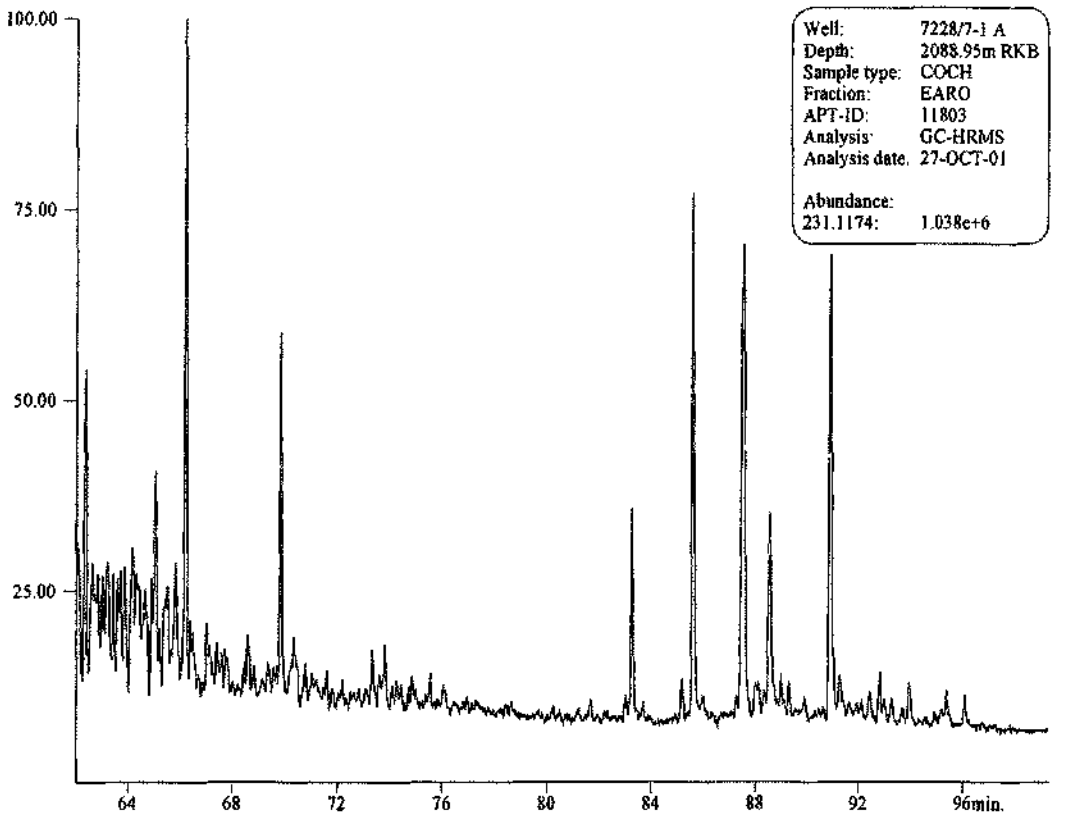

100 00
75 00
50 00
25 00
64
68
72
76
80
84
88
92
96min
Well 7228/7-1 A
Depth 2088 95m RKB
Sample type COCH
Fraction EARO
APT-ID 11802
Analysis GC-HRMS
Analysis date 27-OCT-01
Abundance
231 1174 8 557e+5

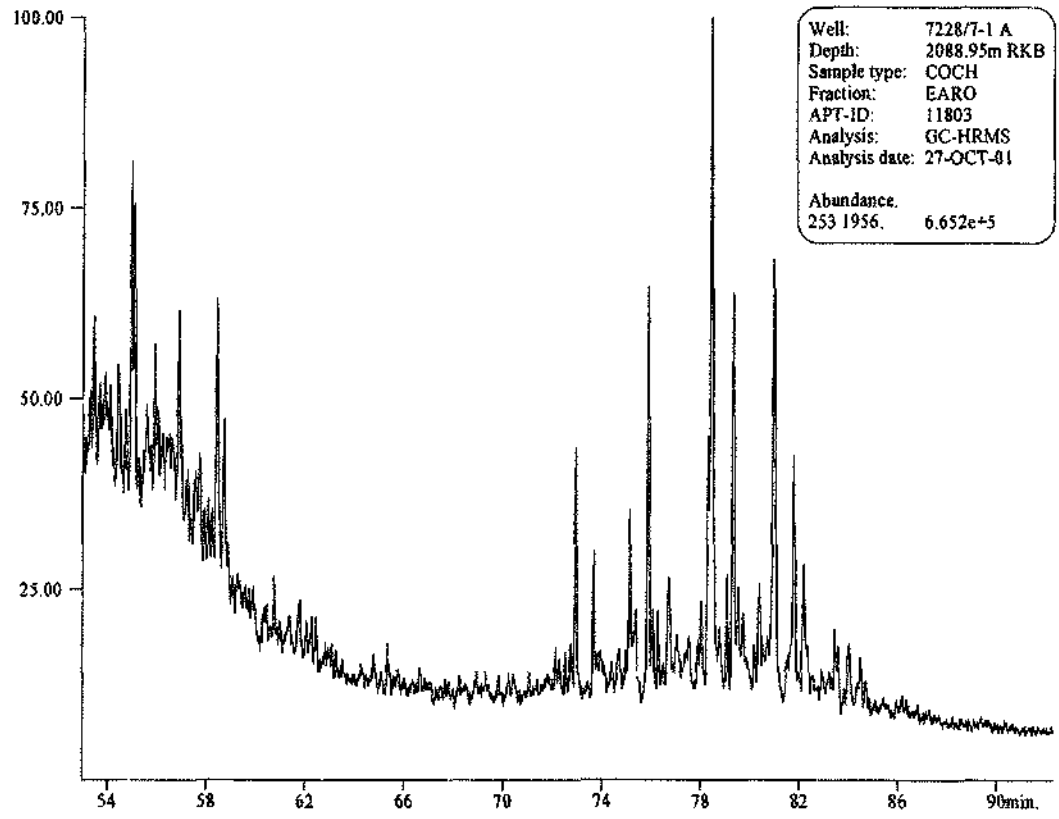

Well: 7228/7-1 A
Depth: 2088.95m RKB
Sample type COCH
Fraction: EARO
APT-ID 11802
Analysis: GC-HRMS
Analysis date 27-OCT-01
Abundance.
253 1956: 5.176e+5
100.00
75.00
50.00
25.00
54
58
62
66
70
74
78
82
86
90min.

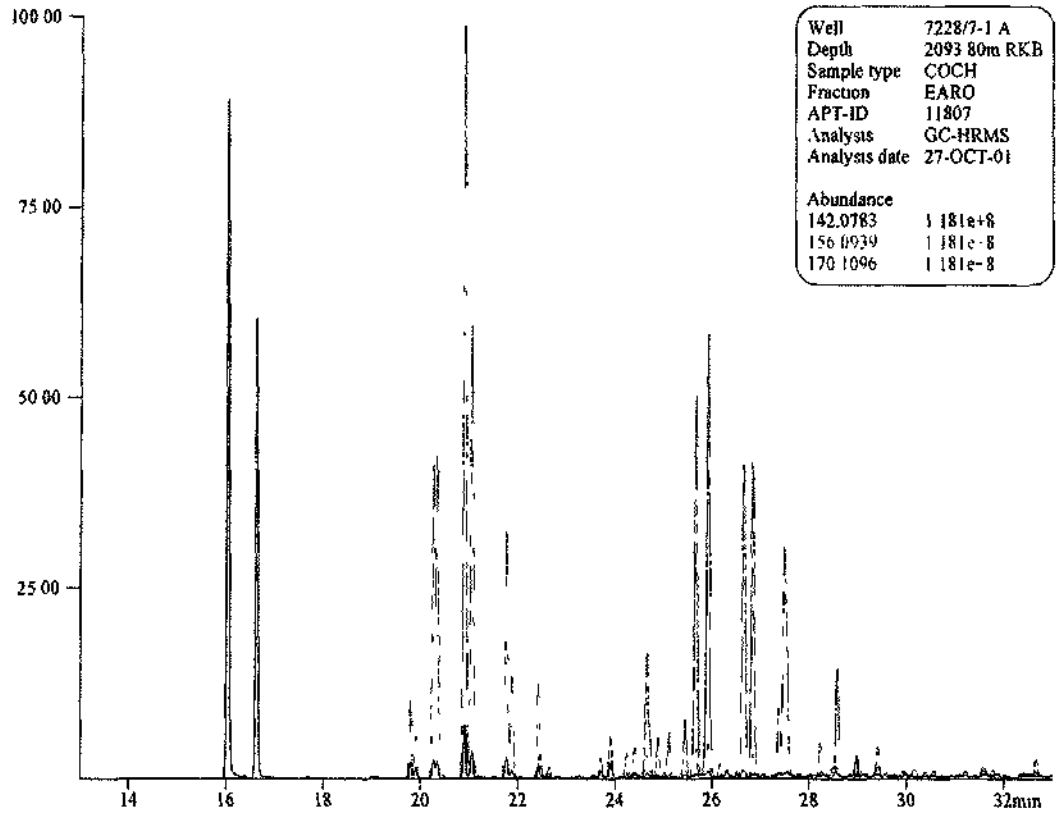

100 00
75 00
50 00
25 00
14
16
18
20
22
24
26
28
30
32min
Well 7228/7-1 A
Depth 2088 95m RKB
Sample type COCH
Fraction EARO
APT-ID 11803
Analysis GC-HRMS
Analysis date 27-OCT-01
Abundance
142 0783 1 336e+8
156 0939 1 336e 8
170 1096 1 336e+8

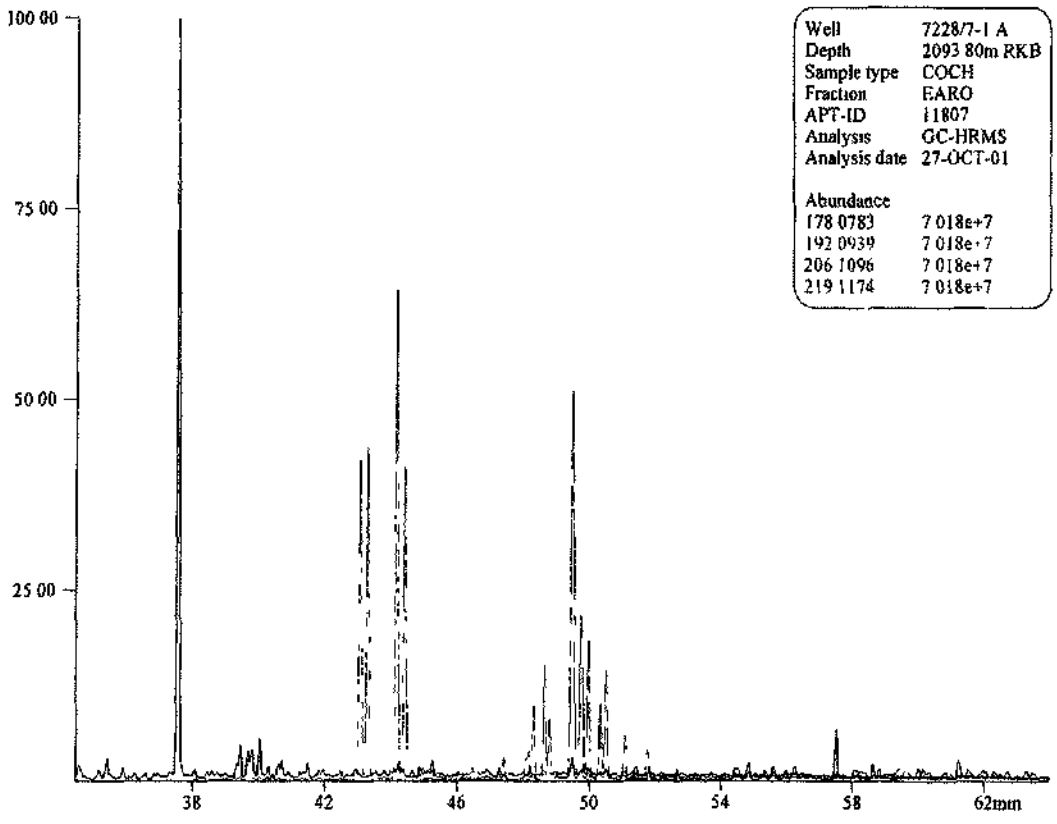

100 00
75 00
50 00
25 00
38
42
46
50
54
58
62min
Well 7228/7-1 A
Depth 2088 95m RKB
Sample type COCH
Fraction EARO
APT-ID 11803
Analysis GC-HRMS
Analysis date 27-OCT-01
Abundance
178 0783 5 365e+7
192 0939 5 365e 7
206 1096 5 365e+7
219 1174 5 365e+7

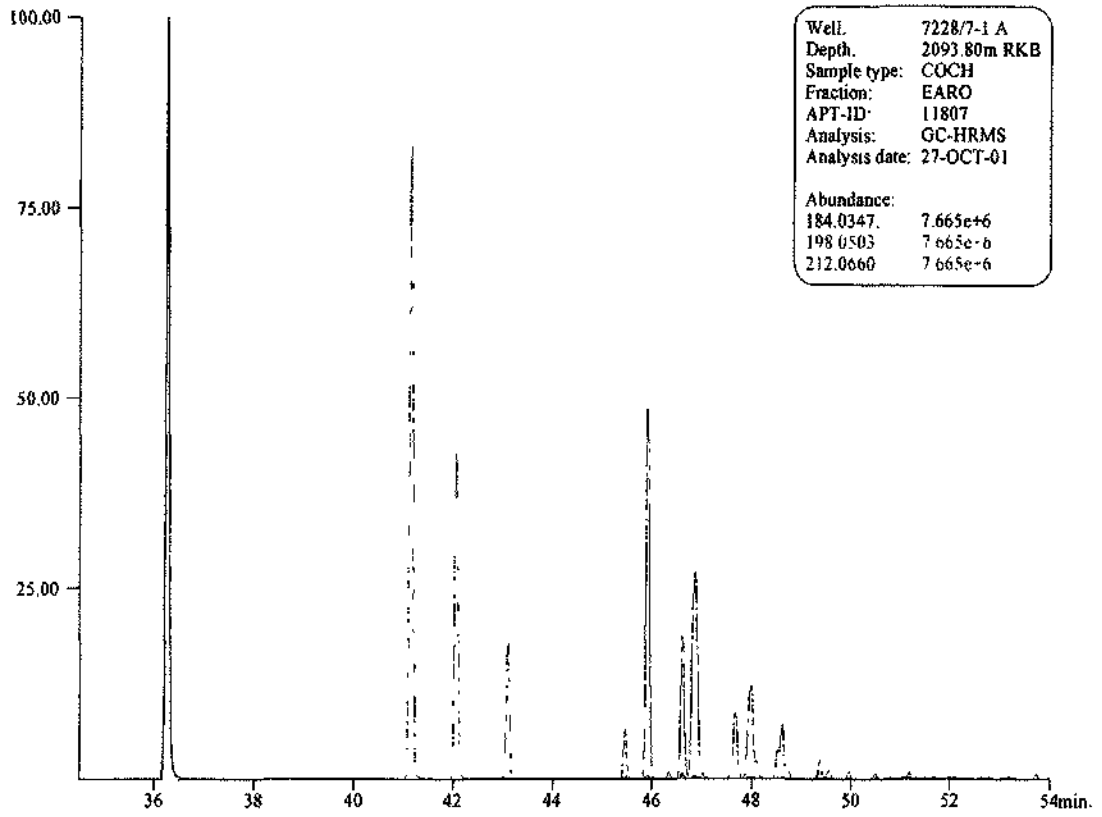

Well: 7228/7-1 A
Depth: 2088.95m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11803
Analysis: GC-HRMS
Analysis date. 27-OCT-01
Abundance:
184.0347: 5.900e+6
198.0503: 5.900e+6
212.0660: 5.900e+6
100.00
75.00
50.00
25.00
36
38
40
42
44
46
48
50
52
54min

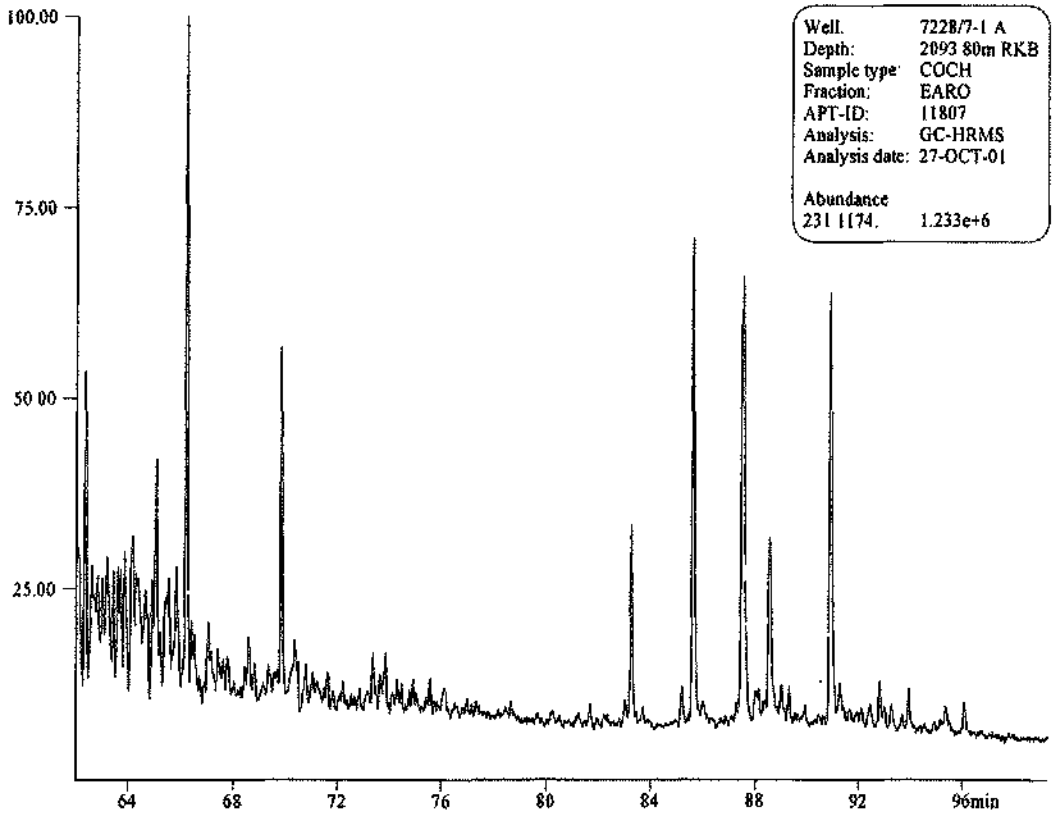

Well: 7228/7-1 A
Depth: 2088.95m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11803
Analysis: GC-HRMS
Analysis date. 27-OCT-01
Abundance:
231.1174: 1.038e+6
100.00
75.00
50.00
25.00
64
68
72
76
80
84
88
92
96min.

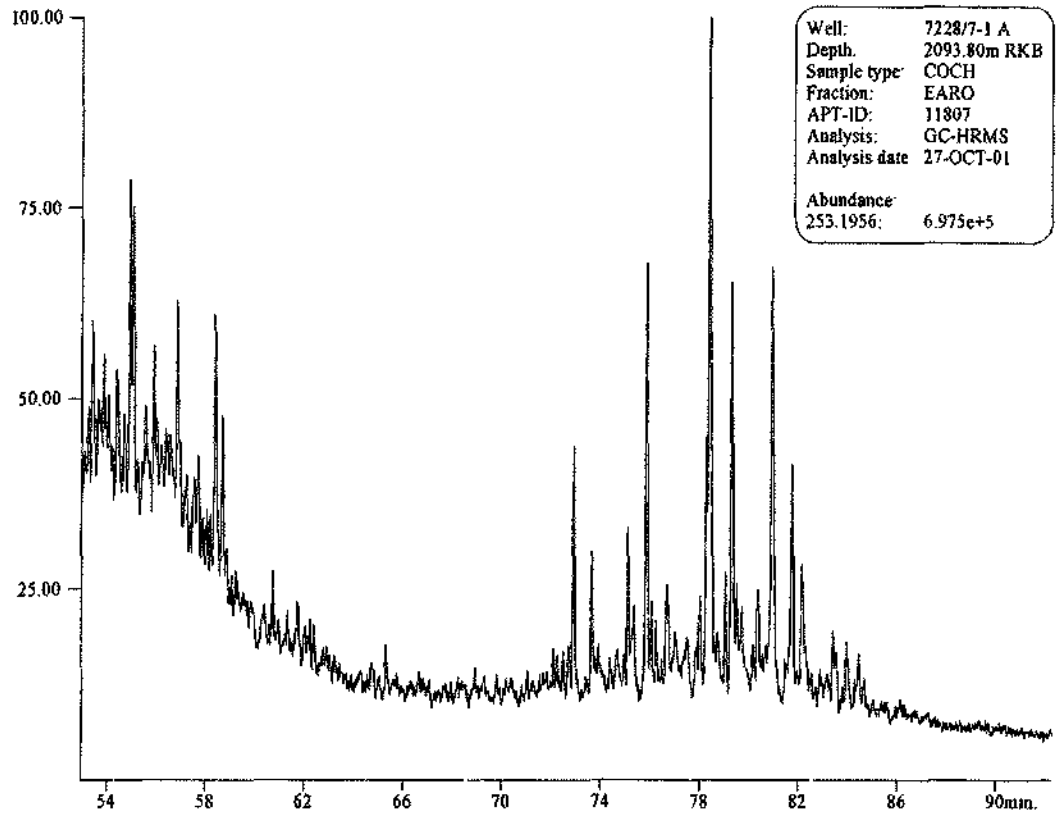

100.00
75.00
50.00
25.00
54
58
62
66
70
74
78
82
86
90min.
Well: 7228/7-1 A
Depth: 2088.95m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11803
Analysis: GC-HRMS
Analysis date: 27-OCT-01
Abundance.
253 1956. 6.652e+5

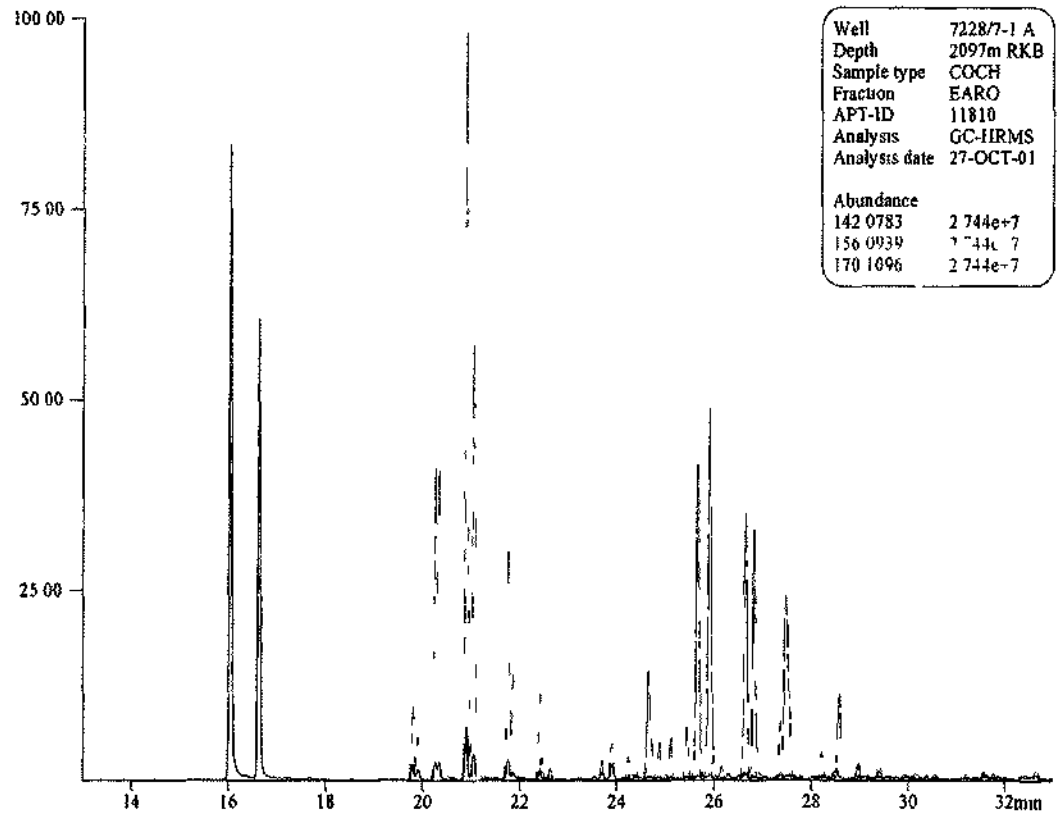

100 00
75 00
50 00
25 00
14
16
18
20
22
24
26
28
30
32min
Well 7228/7-1 A
Depth 2093 80m RKB
Sample type COCH
Fraction EARO
APT-ID 11807
Analysis GC-HRMS
Analysis date 27-OCT-01
Abundance
142.0783 1 181e+8
156 0939 1 181e-8
170 1096 1 181e-8

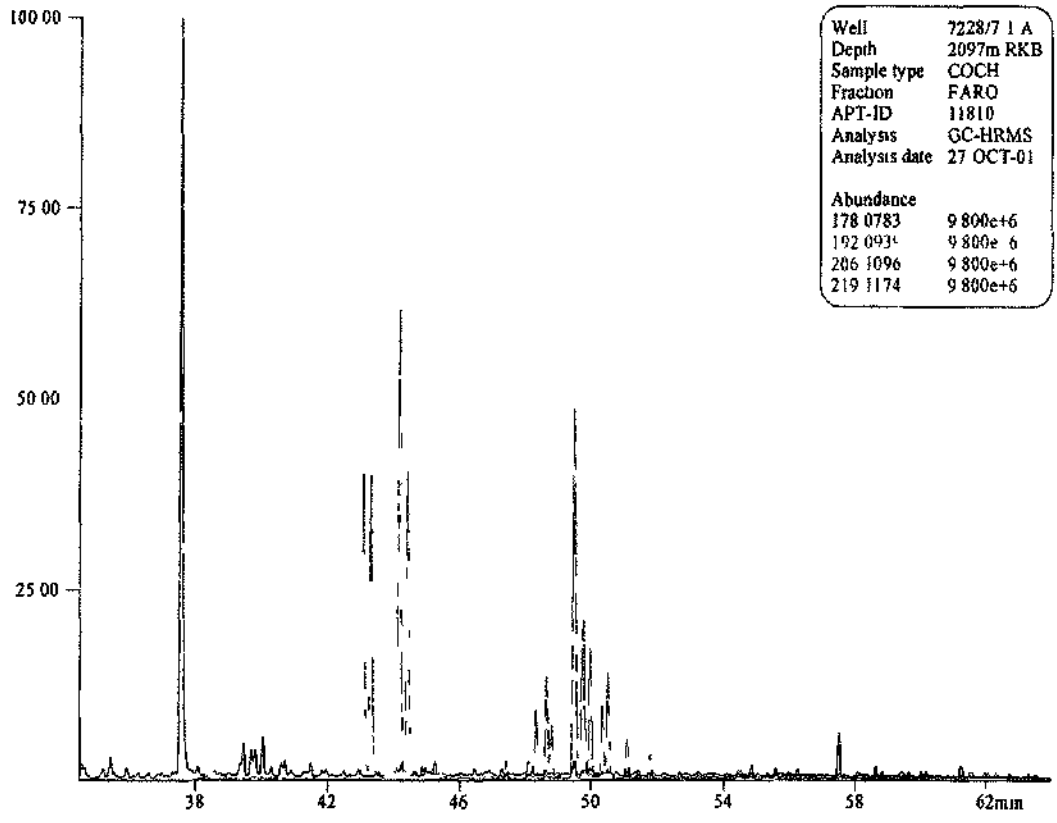

100 00
75 00
50 00
25 00
38
42
46
50
54
58
62mm
Well 7228/7-1 A
Depth 2093 80m RKB
Sample type COCH
Fraction EARO
APT-ID 11807
Analysis GC-HRMS
Analysis date 27-OCT-01
Abundance
178 0783 7 018e+7
192 0939 7 018e+7
206 1096 7 018e+7
219 1174 7 018e+7

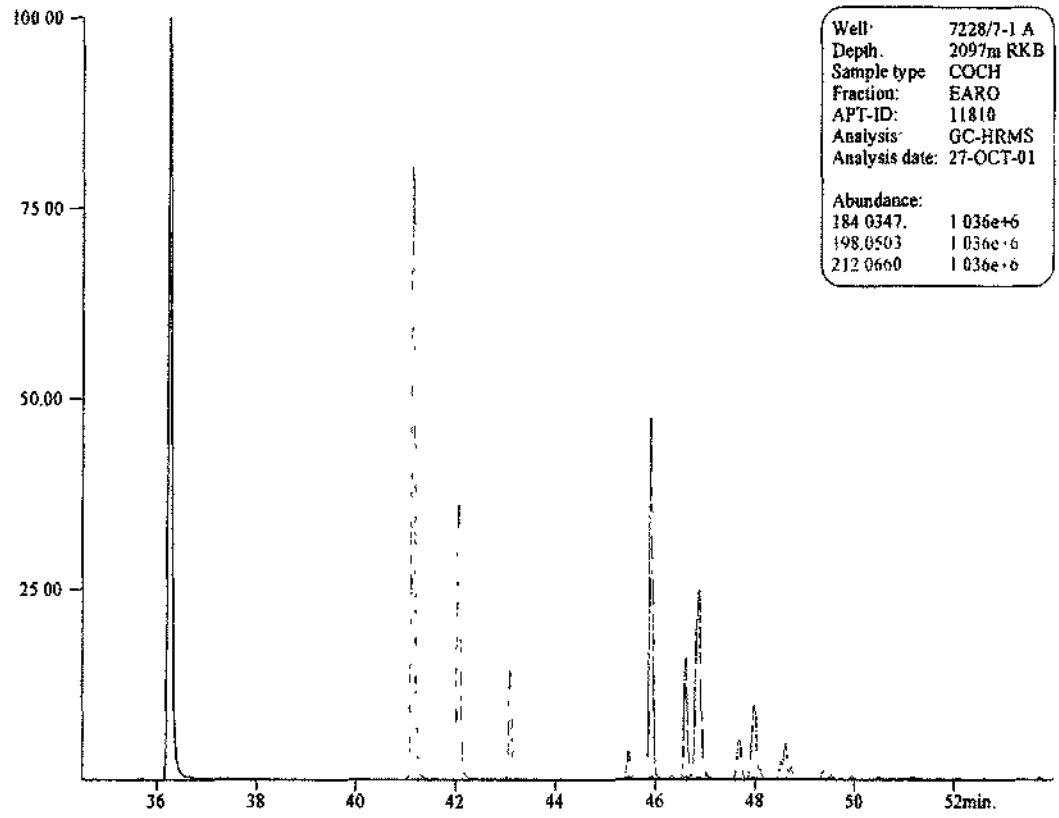

Well. 7228/7-1 A
Depth. 2093.80m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11807
Analysis: GC-HRMS
Analysis date: 27-OCT-01
Abundance:
184.0347. 7.665e+6
198.0503 7.665e+6
212.0660 7.665e+6
100.00
75.00
50.00
25.00
36
38
40
42
44
46
48
50
52
54min.

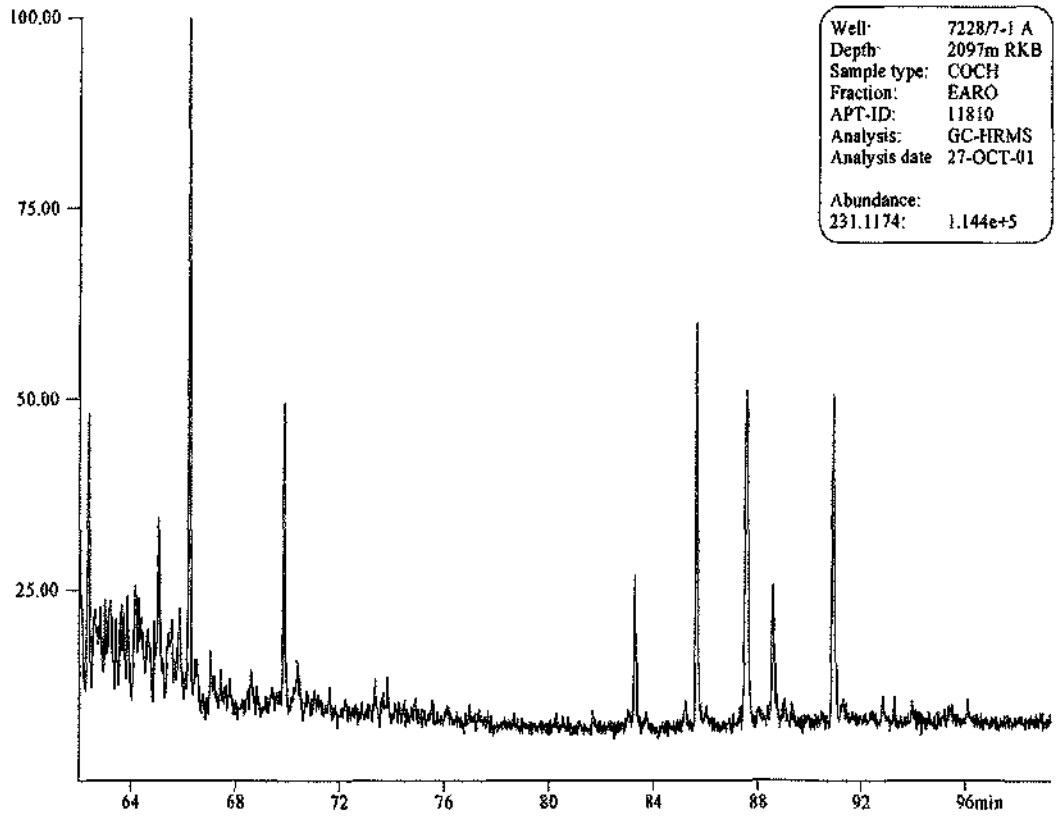

Well. 7228/7-1 A
Depth: 2093.80m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11807
Analysis: GC-HRMS
Analysis date: 27-OCT-01
Abundance
231.1174. 1.233e+6
100.00
75.00
50.00
25.00
64
68
72
76
80
84
88
92
96min

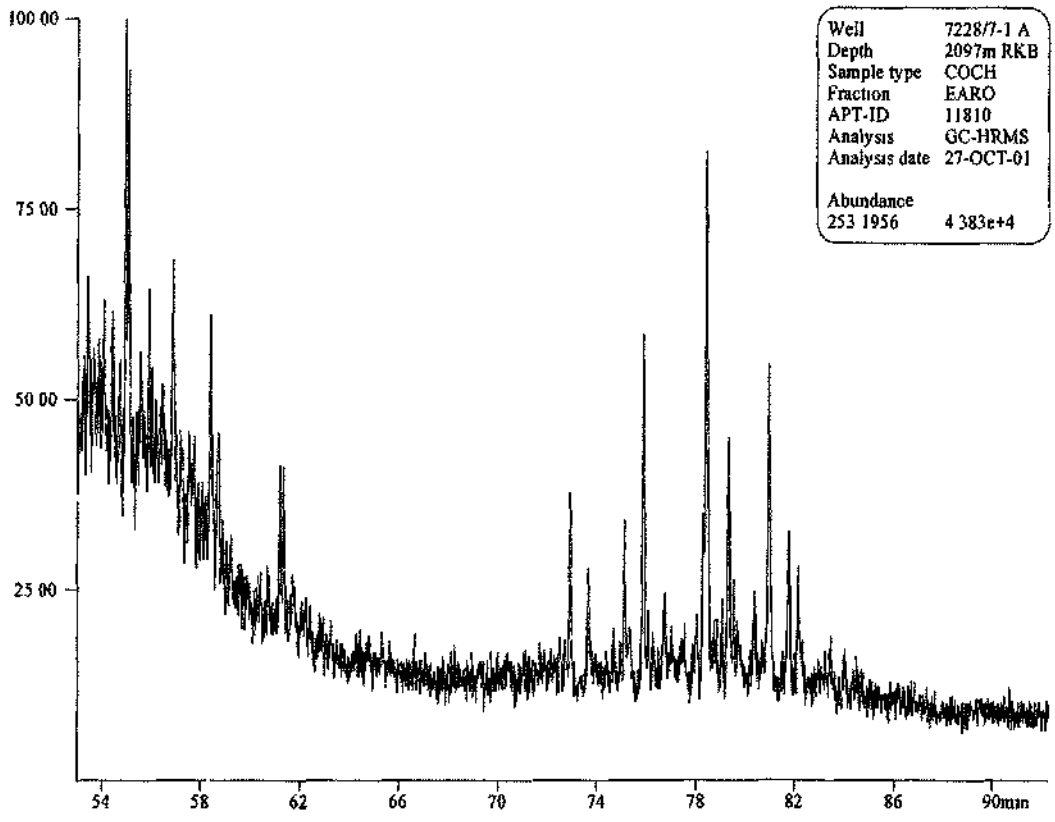

Well: 7228/7-1 A
Depth. 2093.80m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11807
Analysis: GC-HRMS
Analysis date 27-OCT-01
Abundance
253.1956: 6.975e+5
100.00
75.00
50.00
25.00
54
58
62
66
70
74
78
82
86
90min.

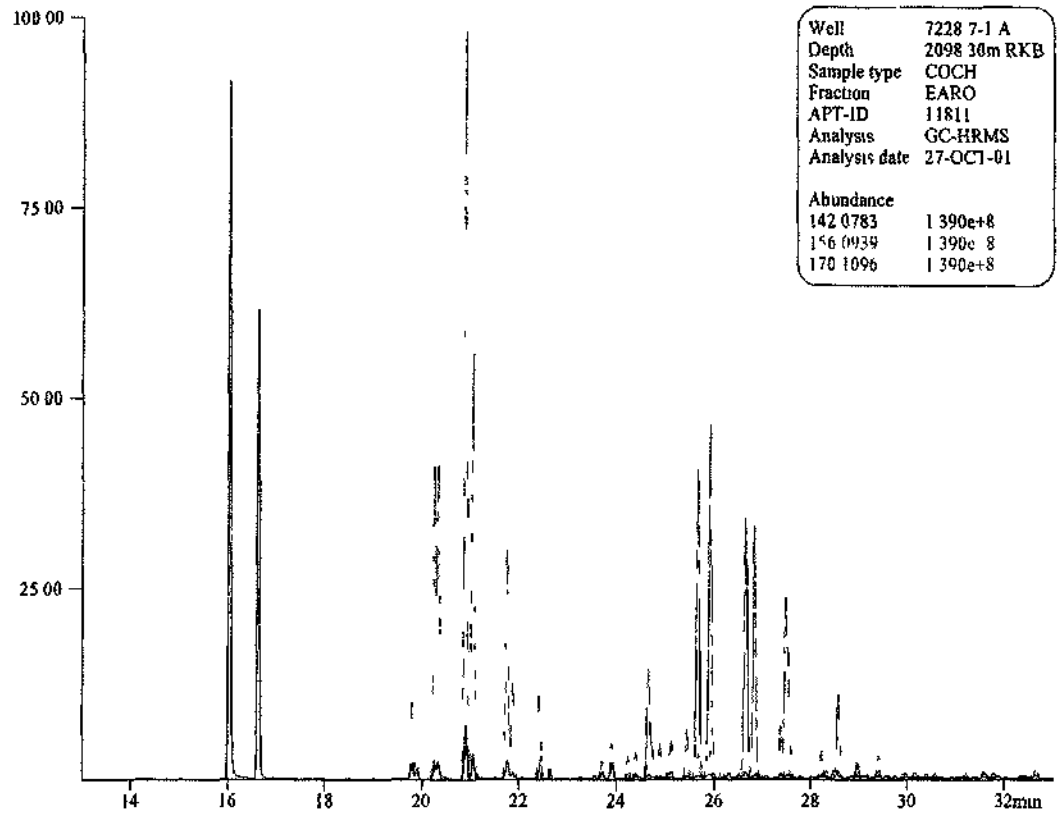

100 00
75 00
50 00
25 00
14
16
18
20
22
24
26
28
30
32mm
Well 7228/7-1 A
Depth 2097m RKB
Sample type COCH
Fraction EARO
APT-ID 11810
Analysis GC-HRMS
Analysis date 27-OCT-01
Abundance
142 0783 2 744e+7
156 0939 2 744e 7
170 1096 2 744e+7

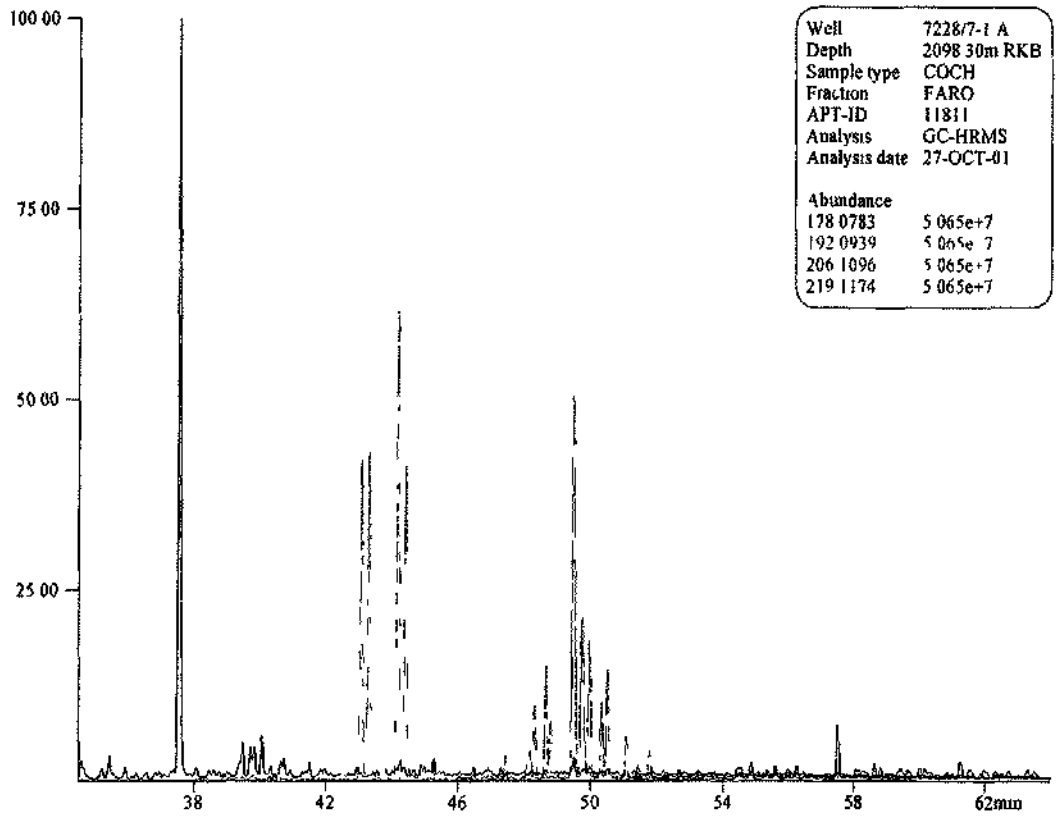

100 00
75 00
50 00
25 00
38
42
46
50
54
58
62mm
Well 7228/7 1 A
Depth 2097m RKB
Sample type COCH
Fraction EARO
APT-ID 11810
Analysis GC-HRMS
Analysis date 27 OCT-01
Abundance
178 0783 9 800e+6
192 093' 9 800e 6
206 1096 9 800e+6
219 1174 9 800e+6

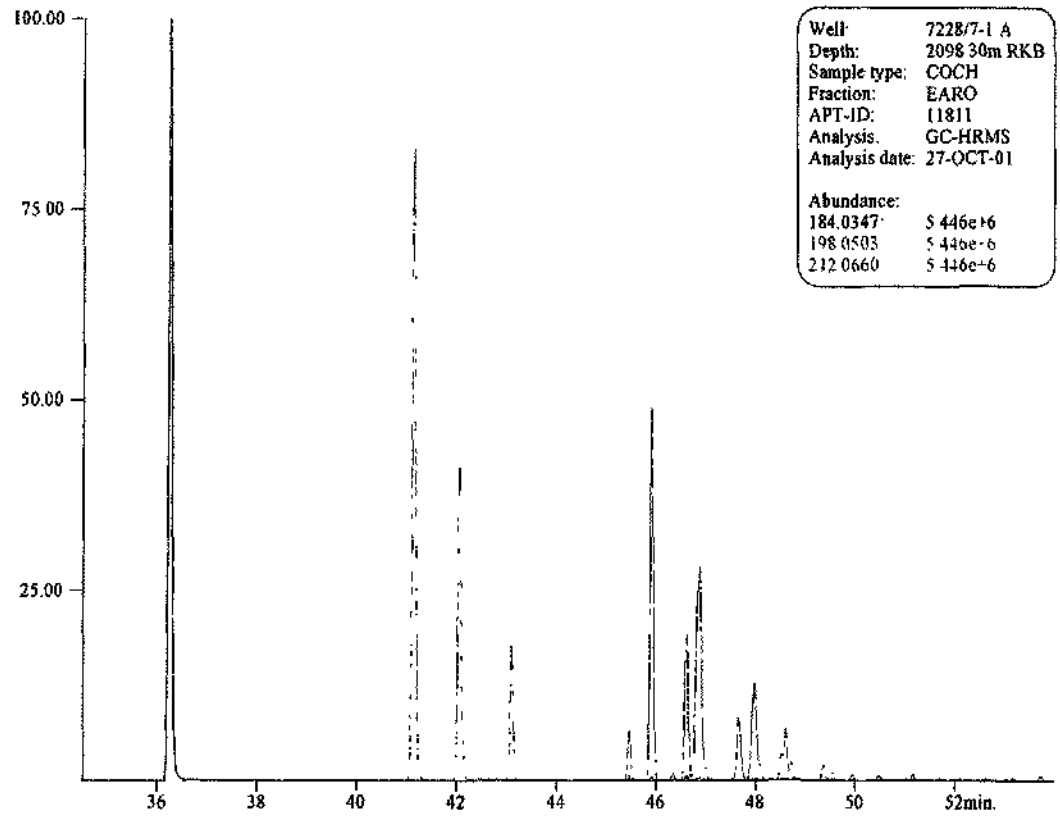

100.00
75.00
50.00
25.00
36
38
40
42
44
46
48
50
52min.
Well: 7228/7-1 A
Depth: 2097m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11810
Analysis: GC-HRMS
Analysis date: 27-OCT-01
Abundance:
184.0347: 1.036e+6
198.0503: 1.036e+6
212.0660: 1.036e+6

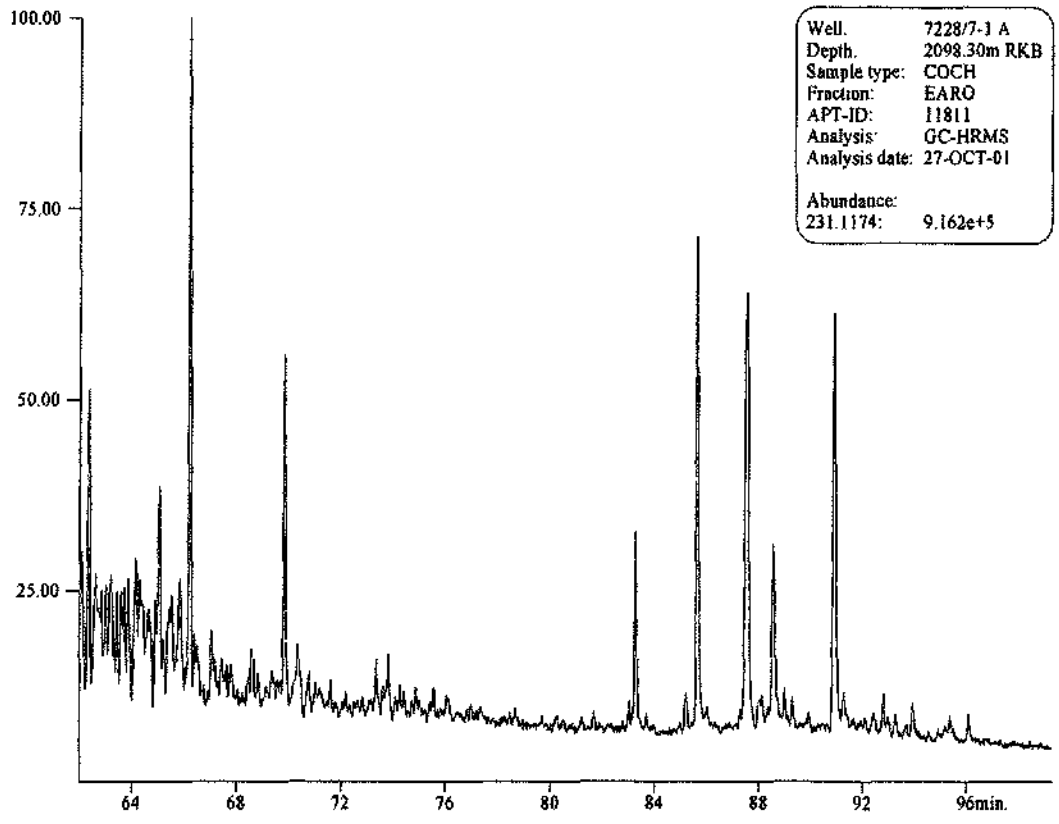

100.00
75.00
50.00
25.00
64
68
72
76
80
84
88
92
96min
Well: 7228/7-1 A
Depth: 2097m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11810
Analysis: GC-HRMS
Analysis date: 27-OCT-01
Abundance:
231.1174: 1.144e+5

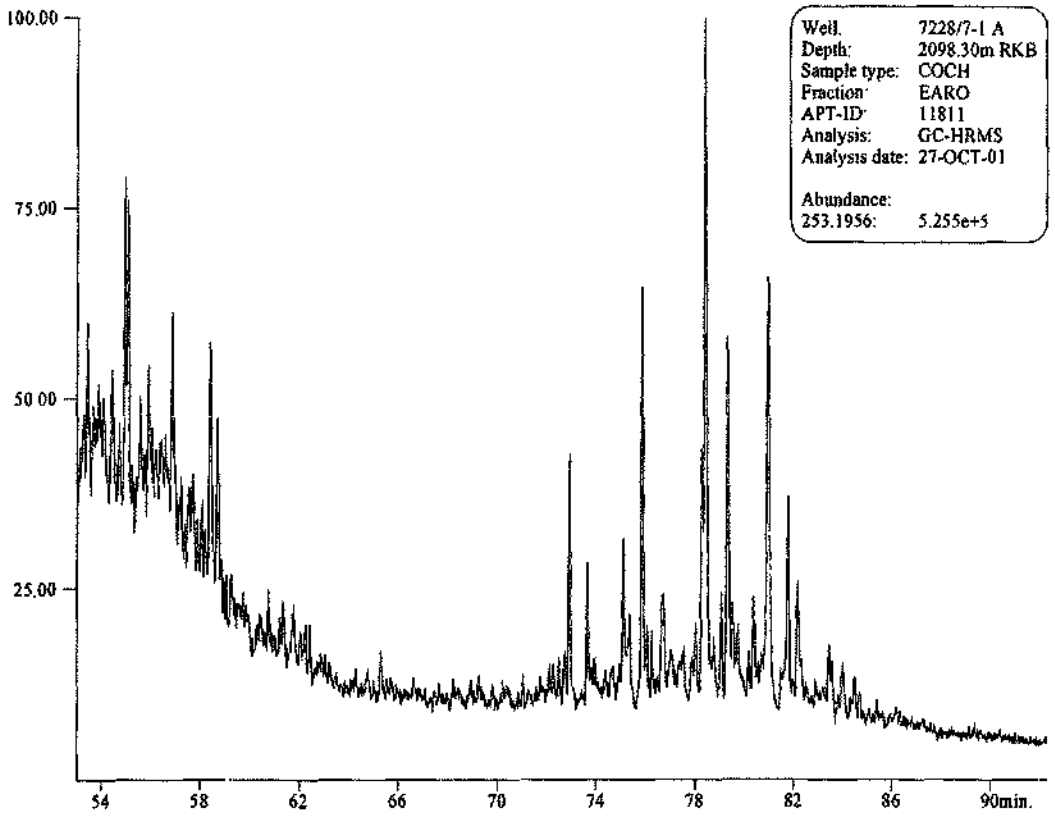

100 00
75 00
50 00
25 00
54
58
62
66
70
74
78
82
86
90min
Well 7228/7-1 A
Depth 2097m RKB
Sample type COCH
Fraction EARO
APT-ID 11810
Analysis GC-HRMS
Analysis date 27-OCT-01
Abundance
253 1956 4 383e+4

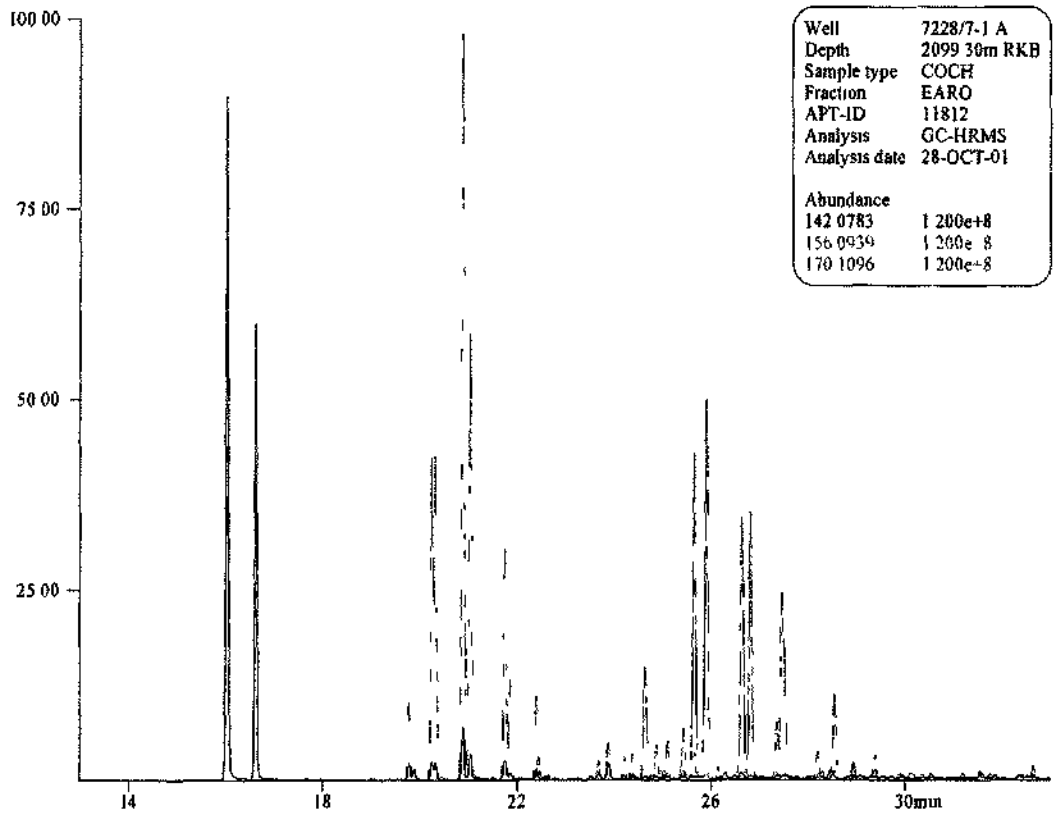

100 00
75 00
50 00
25 00
14
16
18
20
22
24
26
28
30
32mm
Well 7228 7-1 A
Depth 2098 30m RKB
Sample type COCH
Fraction EARO
APT-ID 11811
Analysis GC-HRMS
Analysis date 27-OCT-01
Abundance
142 0783 1 390e+8
156 0939 1 390e 8
170 1096 1 390e+8

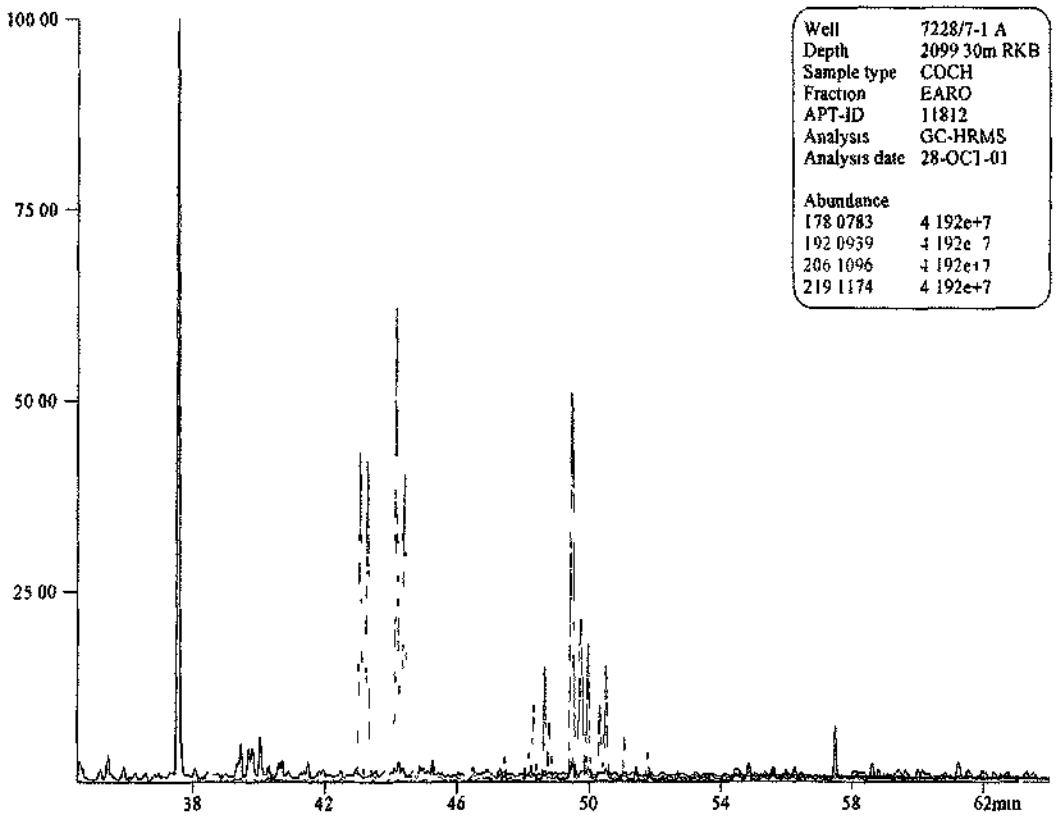

100 00
75 00
50 00
25 00
38
42
46
50
54
58
62mm
Well 7228/7-1 A
Depth 2098 30m RKB
Sample type COCH
Fraction FARO
APT-ID 11811
Analysis GC-HRMS
Analysis date 27-OCT-01
Abundance
178 0783 5 065e+7
192 0939 5 065e 7
206 1096 5 065e+7
219 1174 5 065e+7

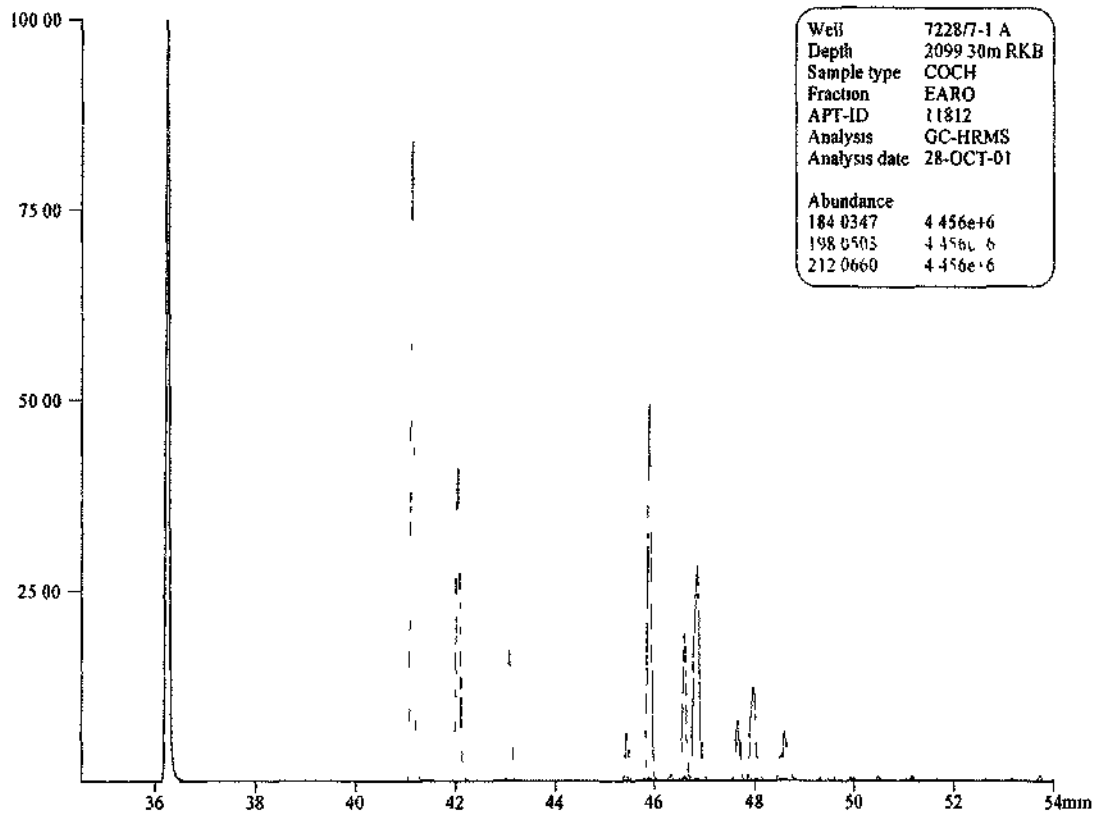

Well: 7228/7-1 A
Depth: 2098.30m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11811
Analysis: GC-HRMS
Analysis date: 27-OCT-01
Abundance:
184.0347: 5.446e+6
198.0503: 5.446e+6
212.0660: 5.446e+6
100.00
75.00
50.00
25.00
36
38
40
42
44
46
48
50
52min.

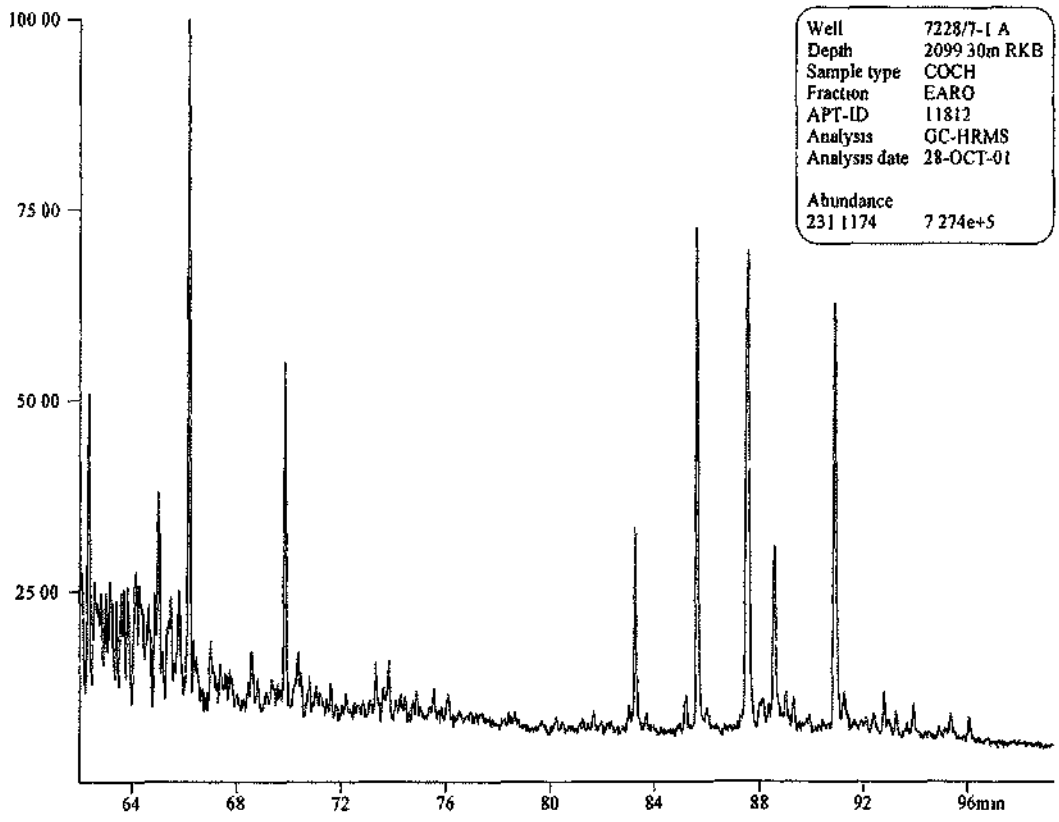

Well: 7228/7-1 A
Depth: 2098.30m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11811
Analysis: GC-HRMS
Analysis date: 27-OCT-01
Abundance:
231.1174: 9.162e+5
100.00
75.00
50.00
25.00
64
68
72
76
80
84
88
92
96min.

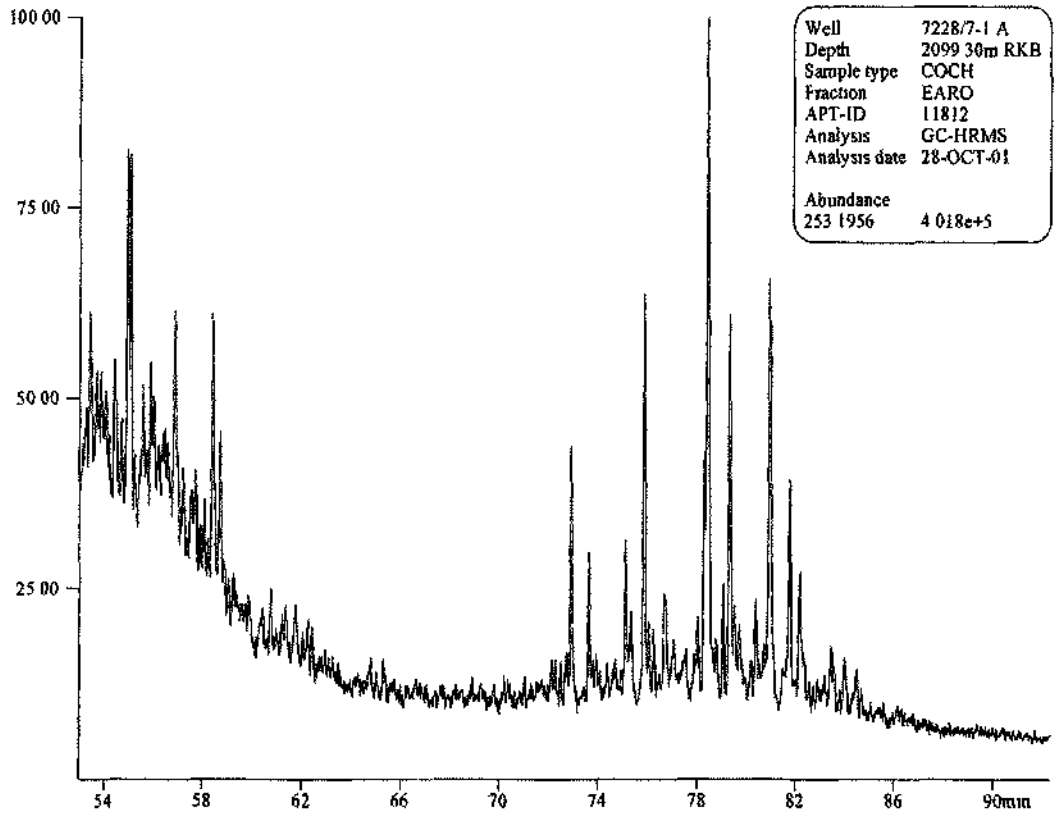

Well: 7228/7-1 A
Depth: 2098.30m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11811
Analysis: GC-HRMS
Analysis date: 27-OCT-01
Abundance:
253.1956: 5.255e+5
100.00
75.00
50.00
25.00
54
58
62
66
70
74
78
82
86
90min.

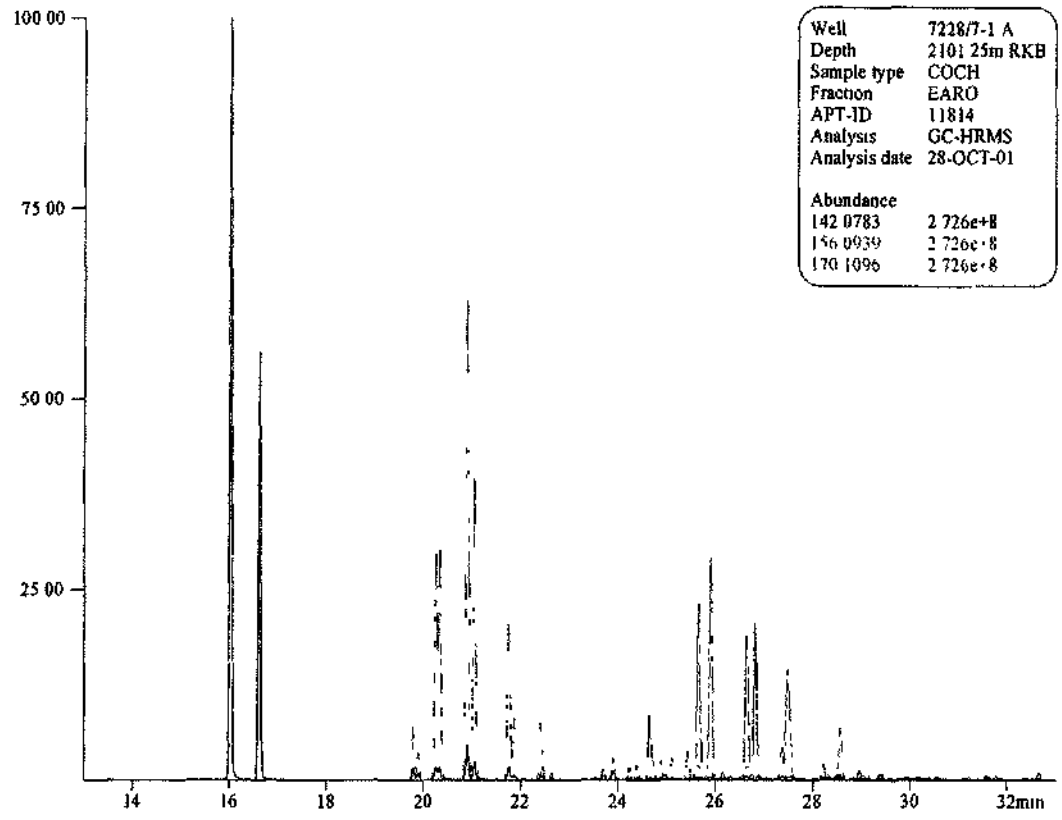

100 00
75 00
50 00
25 00
14
18
22
26
30min
Well 7228/7-1 A
Depth 2099 30m RKB
Sample type COCH
Fraction EARO
APT-ID 11812
Analysis GC-HRMS
Analysis date 28-OCT-01
Abundance
142 0783 1 200e+8
156 0939 1 200e 8
170 1096 1 200e+8

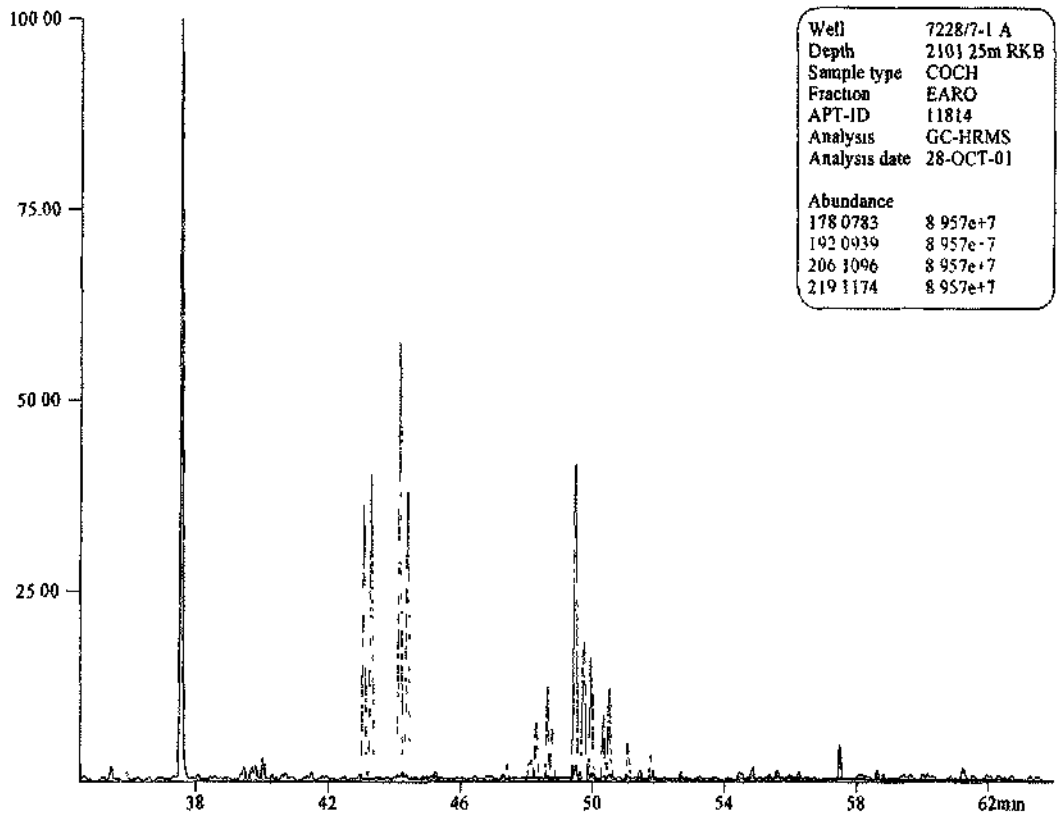

100 00
75 00
50 00
25 00
38
42
46
50
54
58
62min
Well 7228/7-1 A
Depth 2099 30m RKB
Sample type COCH
Fraction EARO
APT-ID 11812
Analysis GC-HRMS
Analysis date 28-OCT-01
Abundance
178 0783 4 192e+7
192 0939 4 192e 7
206 1096 4 192e+7
219 1174 4 192e+7

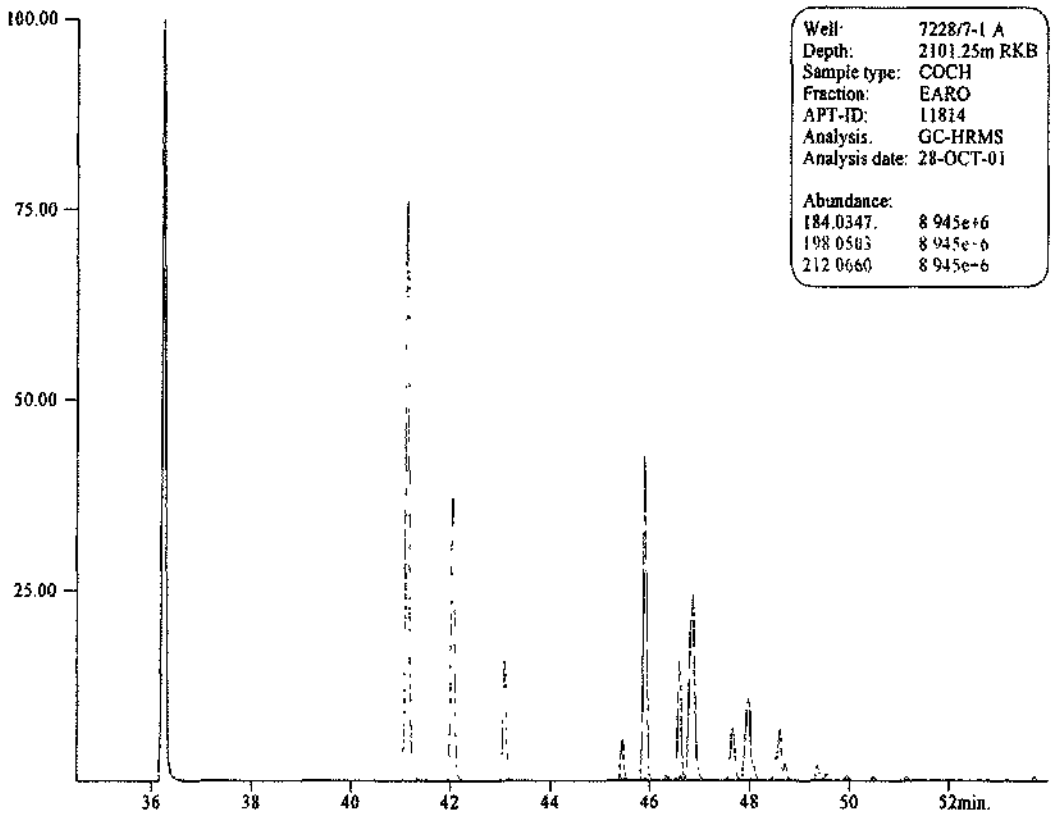

Well 7228/7-1 A
Depth 2099 30m RKB
Sample type COCH
Fraction EARO
APT-ID 11812
Analysis GC-HRMS
Analysis date 28-OCT-01
Abundance
184 0347 4 456e+6
198 0503 4 456e+6
212 0660 4 456e+6
100 00
75 00
50 00
25 00
36
38
40
42
44
46
48
50
52
54mm

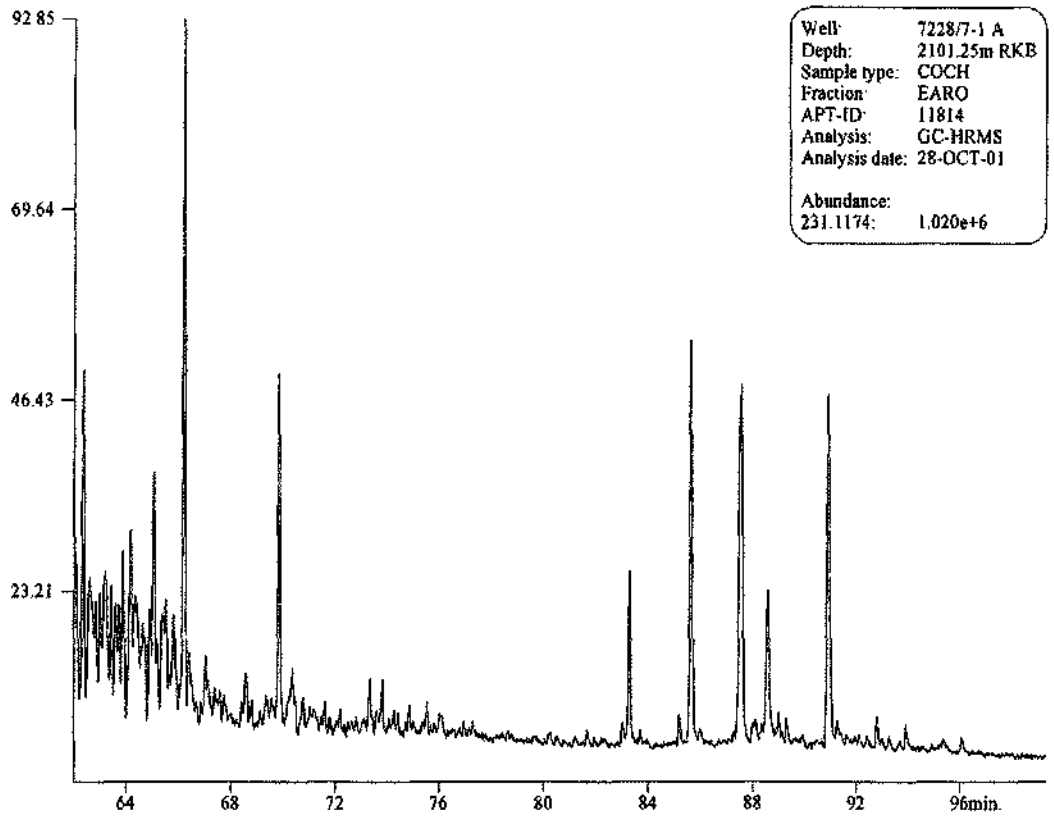

Well 7228/7-1 A
Depth 2099 30m RKB
Sample type COCH
Fraction EARO
APT-ID 11812
Analysis GC-HRMS
Analysis date 28-OCT-01
Abundance
231 1174 7 274e+5
100 00
75 00
50 00
25 00
64
68
72
76
80
84
88
92
96mm

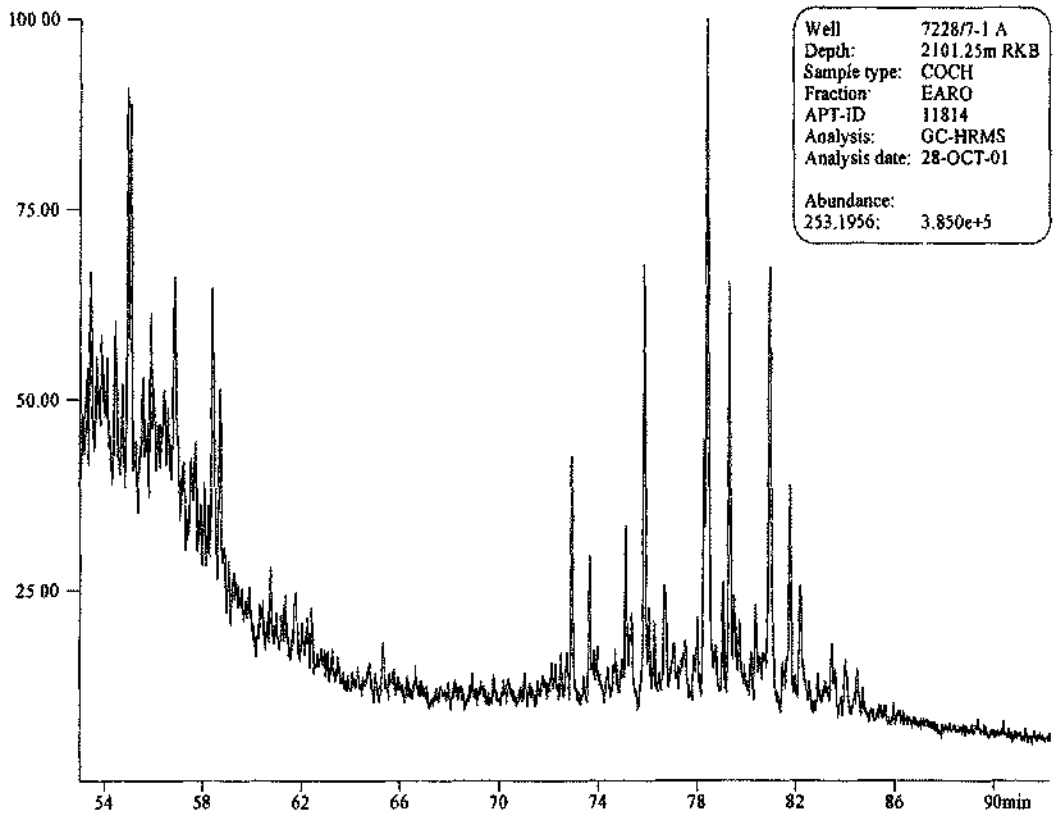

100 00
75 00
50 00
25 00
54
58
62
66
70
74
78
82
86
90mm
Well 7228/7-1 A
Depth 2099 30m RKB
Sample type COCH
Fraction EARO
APT-ID 11812
Analysis GC-HRMS
Analysis date 28-OCT-01
Abundance
253 1956 4 018e+5

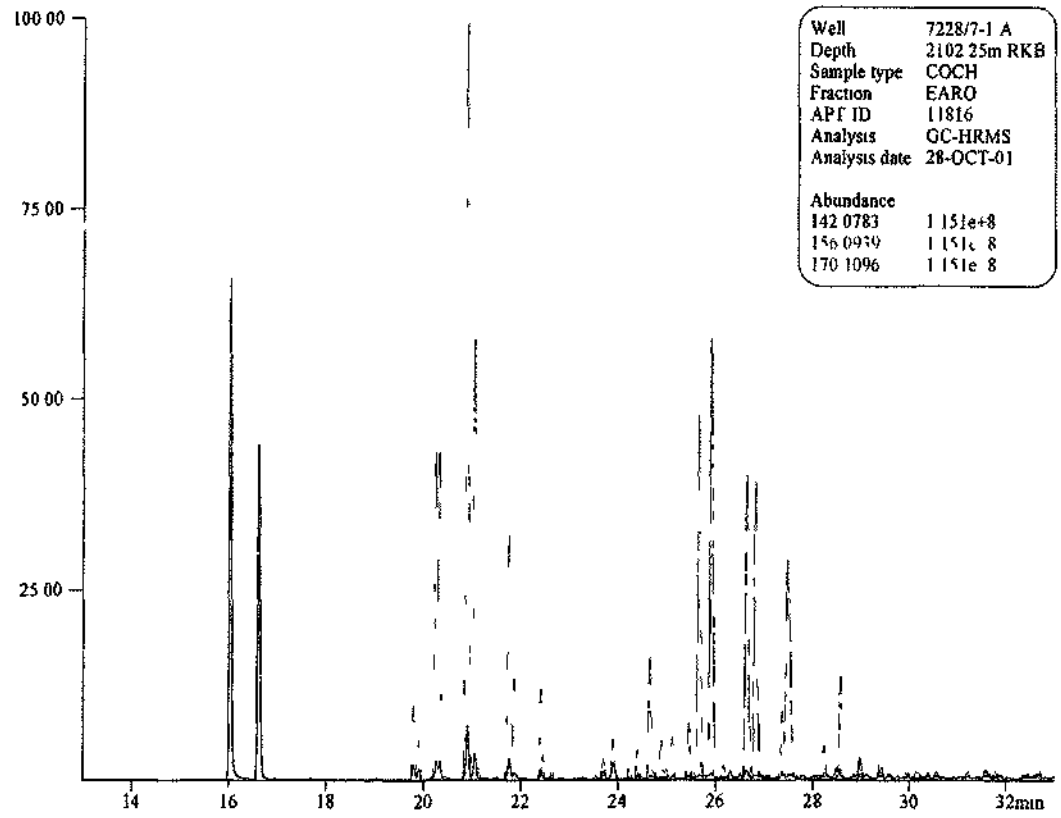

100 00
75 00
50 00
25 00
14
16
18
20
22
24
26
28
30
32min
Well 7228/7-1 A
Depth 2101 25m RKB
Sample type COCH
Fraction EARO
APT-ID 11814
Analysis GC-HRMS
Analysis date 28-OCT-01
Abundance
142 0783 2 726e+8
156 0939 2 726e+8
170 1096 2 726e+8

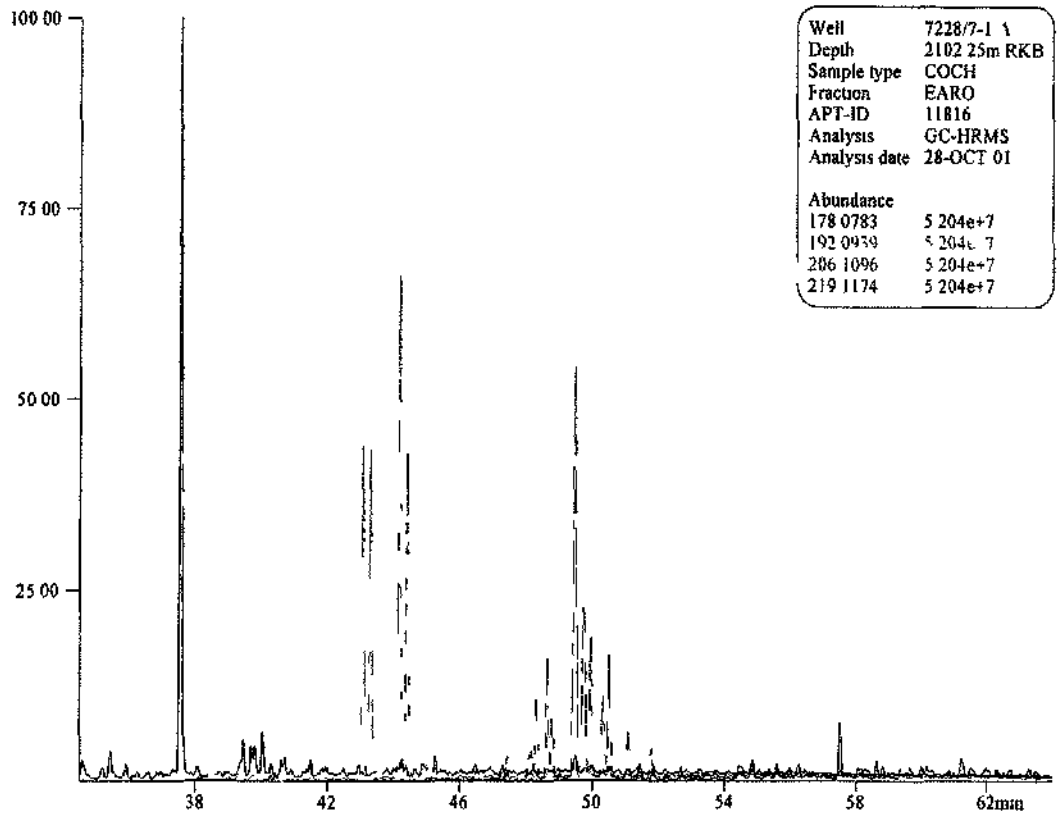

100 00
75.00
50 00
25 00
38
42
46
50
54
58
62min
Well 7228/7-1 A
Depth 2101 25m RKB
Sample type COCH
Fraction EARO
APT-ID 11814
Analysis GC-HRMS
Analysis date 28-OCT-01
Abundance
178 0783 8 957e+7
192 0939 8 957e+7
206 1096 8 957e+7
219 1174 8 957e+7

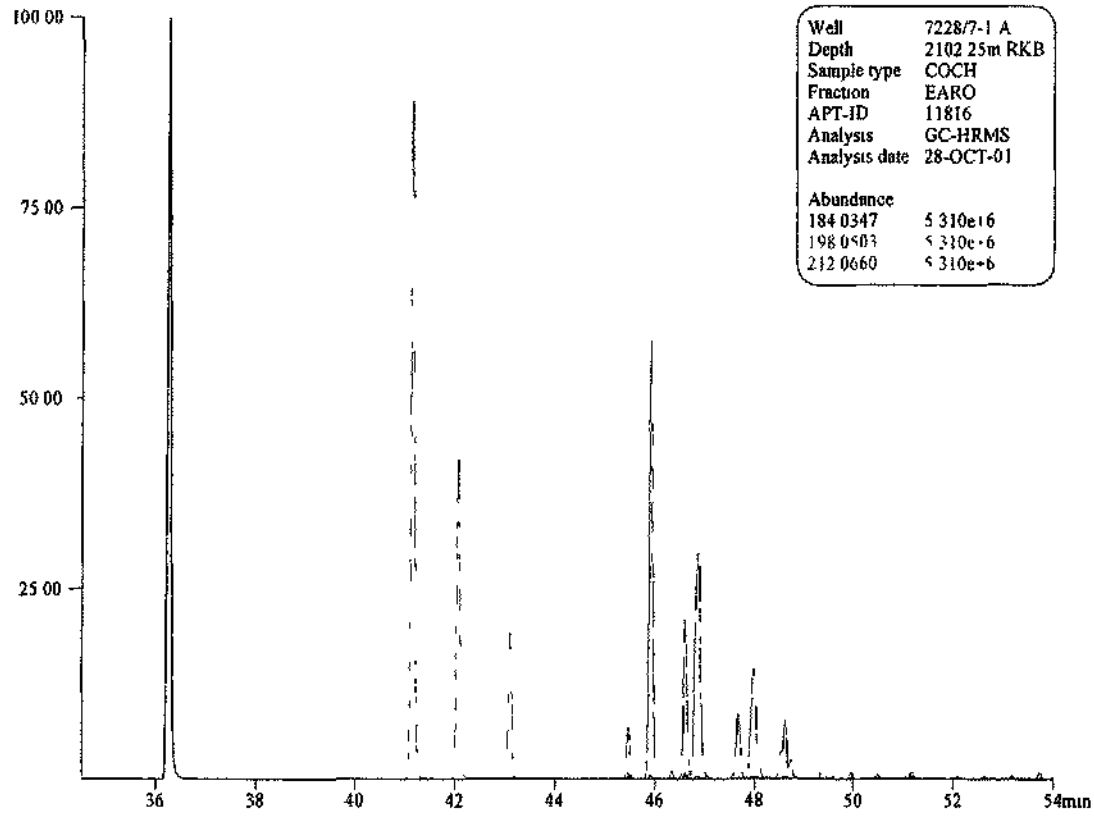

100.00
75.00
50.00
25.00
36
38
40
42
44
46
48
50
52min.
Well: 7228/7-1 A
Depth: 2101.25m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11814
Analysis: GC-HRMS
Analysis date: 28-OCT-01
Abundance:
184.0347: 8.945e+6
198.0503: 8.945e+6
212.0660: 8.945e+6

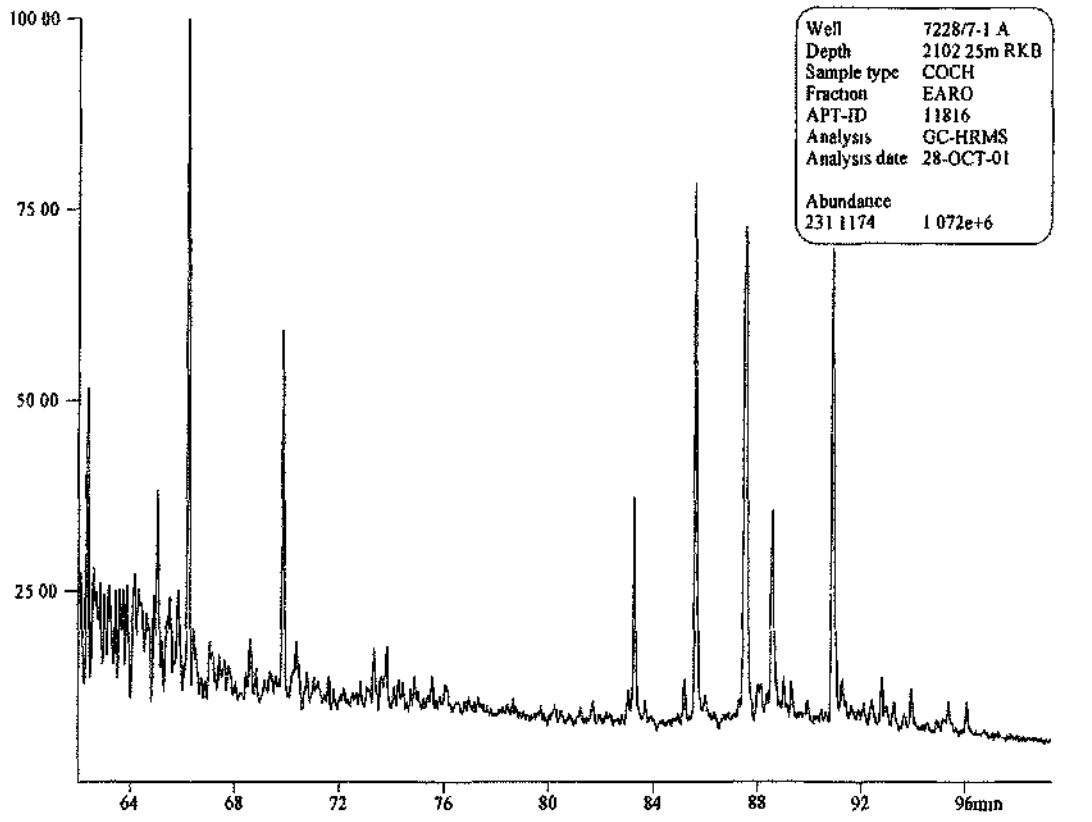

92.85
69.64
46.43
23.21
64
68
72
76
80
84
88
92
96min.
Well: 7228/7-1 A
Depth: 2101.25m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11814
Analysis: GC-HRMS
Analysis date: 28-OCT-01
Abundance:
231.1174: 1.020e+6

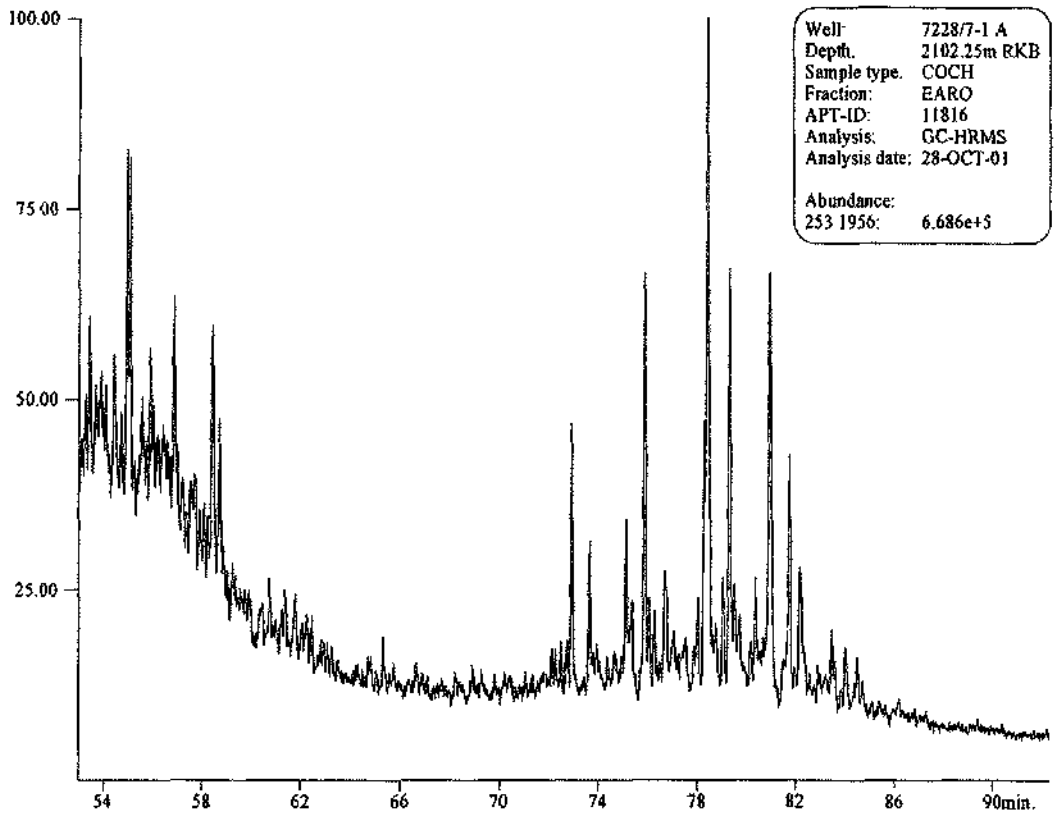

100.00
75.00
50.00
25.00
54
58
62
66
70
74
78
82
86
90min
Well 7228/7-1 A
Depth: 2101.25m RKB
Sample type: COCH
Fraction: EARO
APT-ID 11814
Analysis: GC-HRMS
Analysis date: 28-OCT-01
Abundance:
253.1956: 3.850e+5

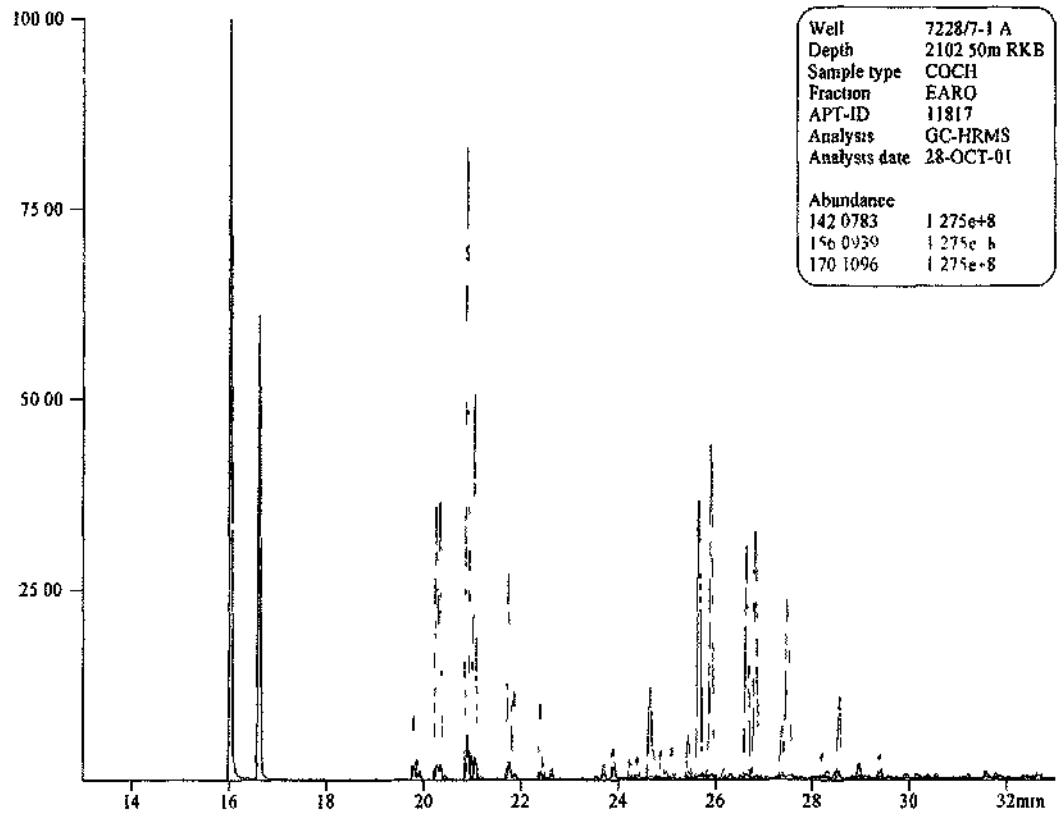

100 00
75 00
50 00
25 00
14
16
18
20
22
24
26
28
30
32min
Well 7228/7-1 A
Depth 2102 25m RKB
Sample type COCH
Fraction EARO
APT ID 11816
Analysis GC-HRMS
Analysis date 28-OCT-01
Abundance
142 0783 1 151e+8
156 0939 1 151e 8
170 1096 1 151e 8

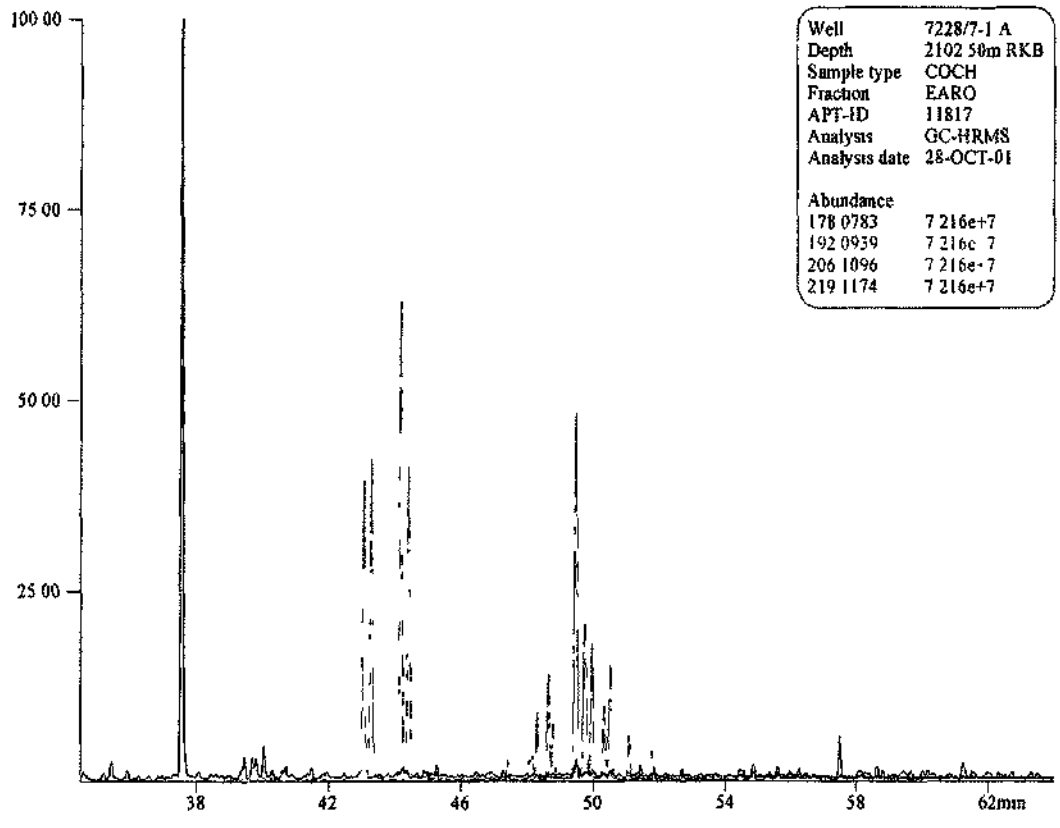

100 00
75 00
50 00
25 00
38
42
46
50
54
58
62min
Well 7228/7-1 A
Depth 2102 25m RKB
Sample type COCH
Fraction EARO
APT-ID 11816
Analysis GC-HRMS
Analysis date 28-OCT 01
Abundance
178 0783 5 204e+7
192 0939 5 204e 7
206 1096 5 204e+7
219 1174 5 204e+7

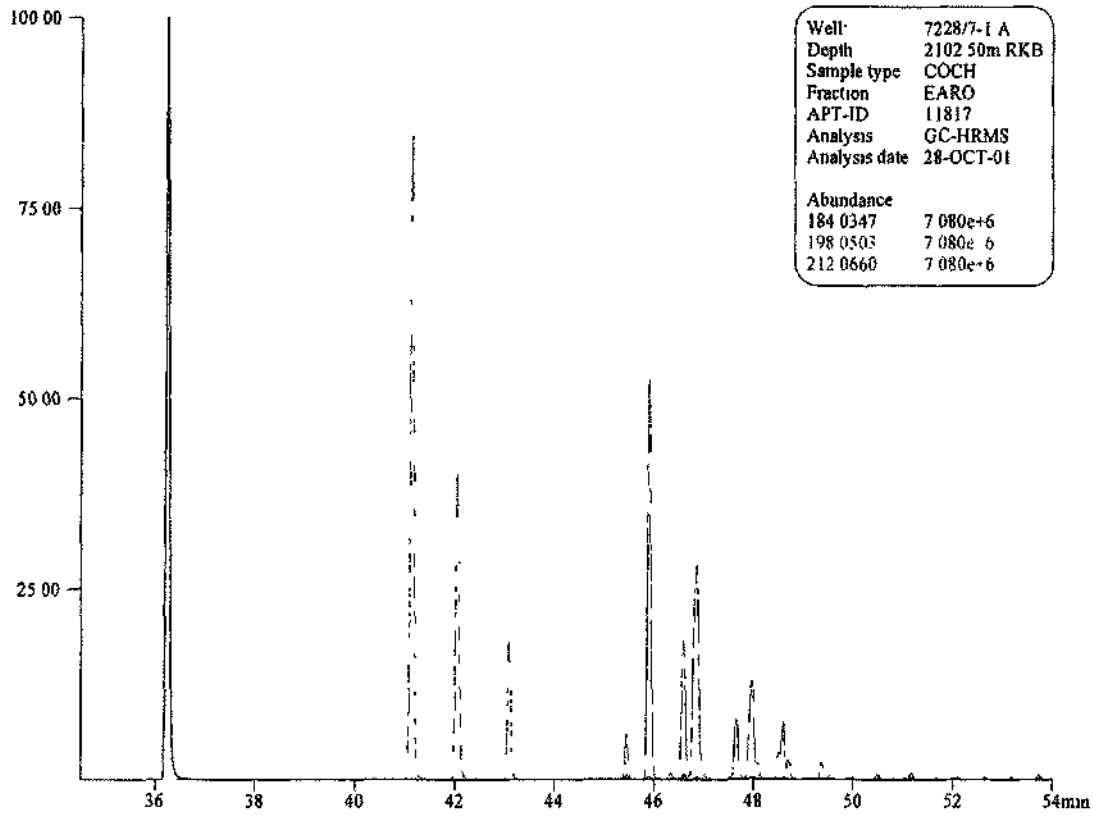

100 00
75 00
50 00
25 00
36
38
40
42
44
46
48
50
52
54min
Well 7228/7-1 A
Depth 2102 25m RKB
Sample type COCH
Fraction EARO
APT-ID 11816
Analysis GC-HRMS
Analysis date 28-OCT-01
Abundance
184 0347 5 310e+6
198 0503 5 310e+6
212 0660 5 310e+6

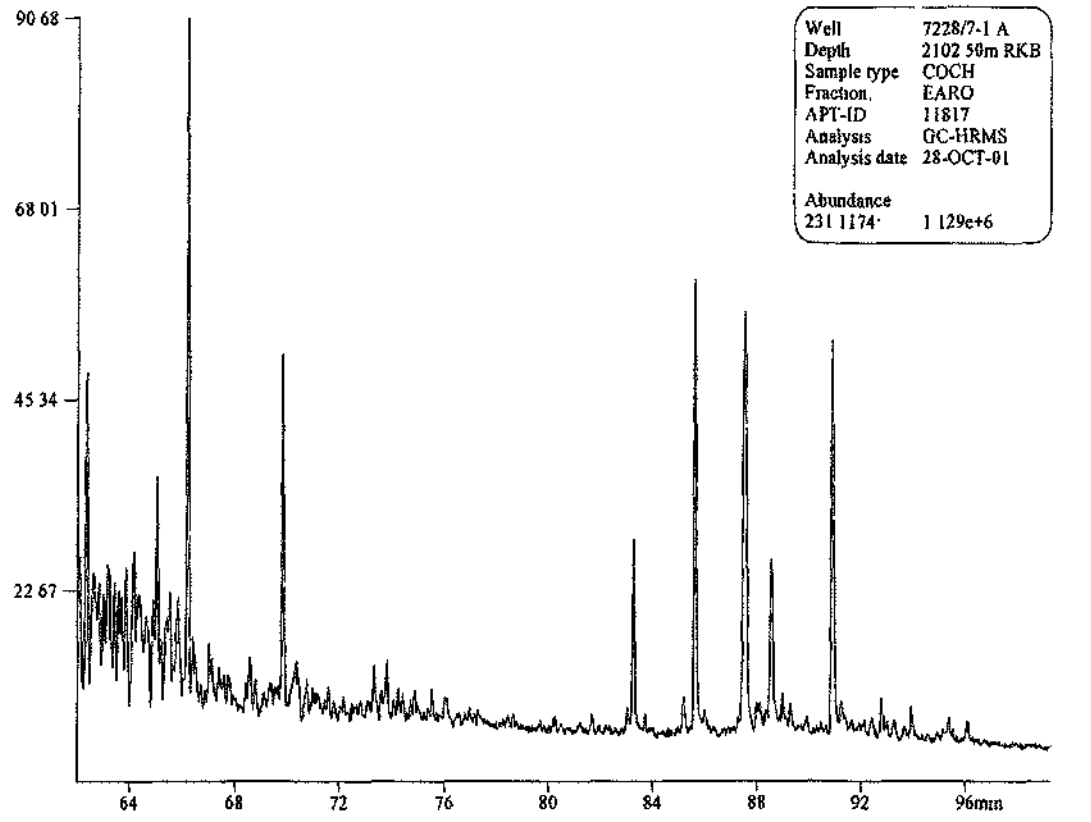

100 00
75 00
50 00
25 00
64
68
72
76
80
84
88
92
96min
Well 7228/7-1 A
Depth 2102 25m RKB
Sample type COCH
Fraction EARO
APT-ID 11816
Analysis GC-HRMS
Analysis date 28-OCT-01
Abundance
231 1174 1 072e+6

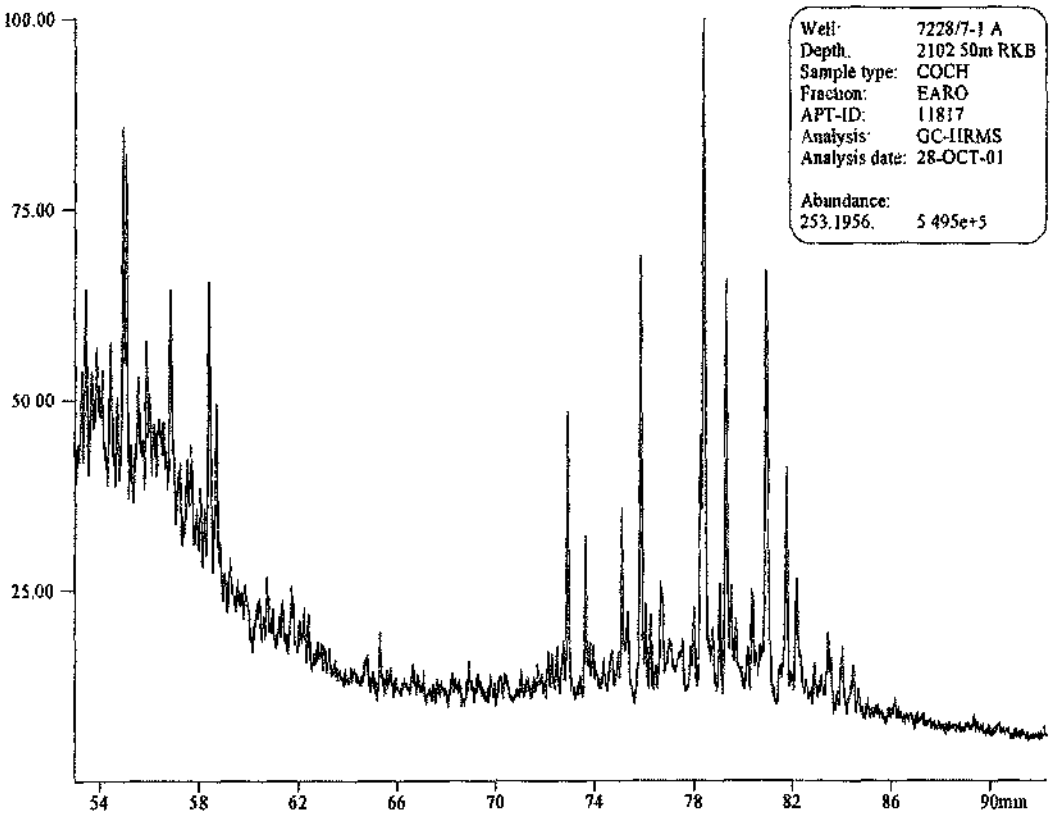

Well: 7228/7-1 A
Depth. 2102.25m RKB
Sample type. COCH
Fraction: EARO
APT-ID: 11816
Analysis: GC-HRMS
Analysis date: 28-OCT-01
Abundance:
253 1956: 6.686e+5
100.00
75.00
50.00
25.00
54
58
62
66
70
74
78
82
86
90min.

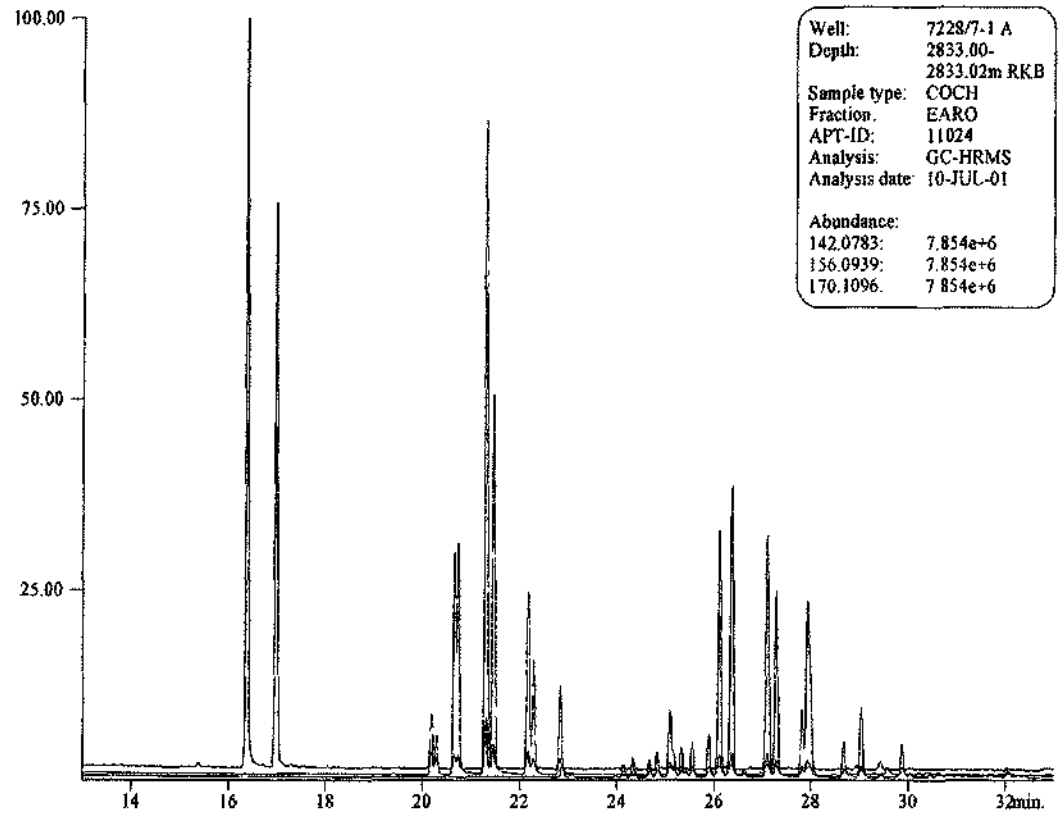

100 00
75 00
50 00
25 00
14
16
18
20
22
24
26
28
30
32mm
Well 7228/7-1 A
Depth 2102 50m RKB
Sample type COCH
Fraction EARO
APT-ID 11817
Analysis GC-HRMS
Analysis date 28-OCT-01
Abundance
142 0783 1 275e+8
156 0939 1 275e 8
170 1096 1 275e+8

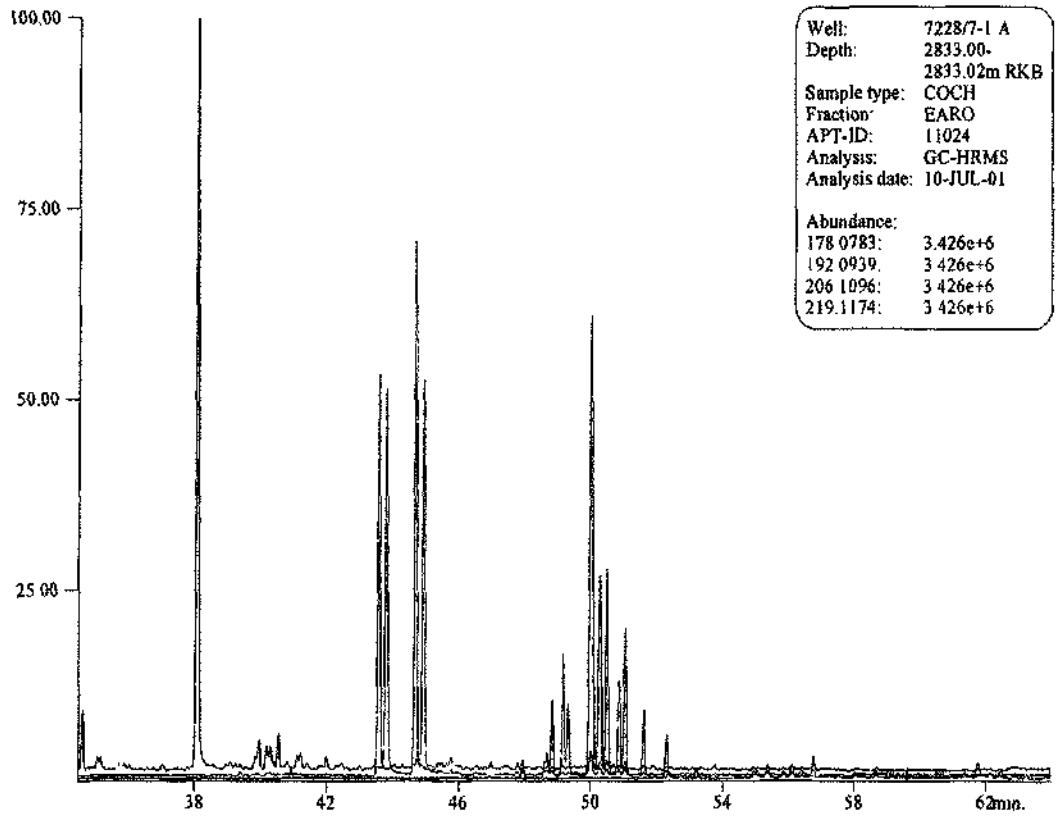

100 00
75 00
50 00
25 00
38
42
46
50
54
58
62mm
Well 7228/7-1 A
Depth 2102 50m RKB
Sample type COCH
Fraction EARO
APT-ID 11817
Analysis GC-HRMS
Analysis date 28-OCT-01
Abundance
178 0783 7 216e+7
192 0939 7 216e 7
206 1096 7 216e+7
219 1174 7 216e+7

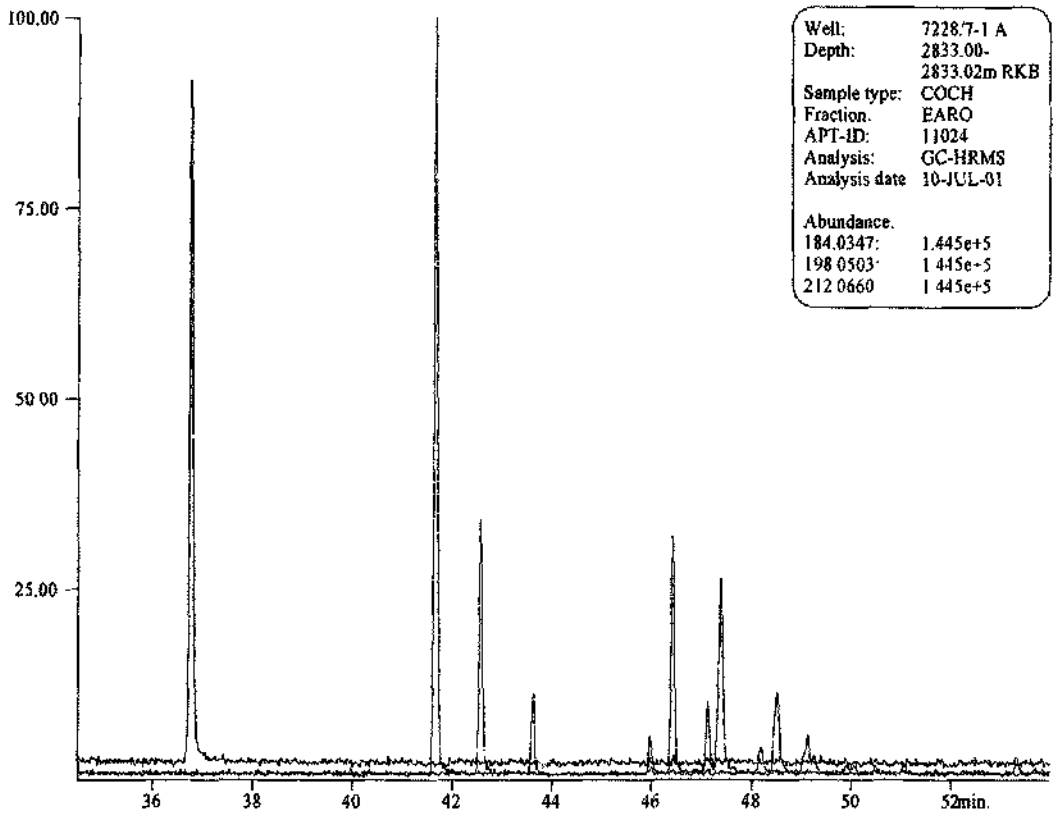

100 00
75 00
50 00
25 00
36
38
40
42
44
46
48
50
52
54min
Well 7228/7-1 A
Depth 2102 50m RKB
Sample type COCH
Fraction EARO
APT-ID 11817
Analysis GC-HRMS
Analysis date 28-OCT-01
Abundance
184 0347 7 080e+6
198 0503 7 080e 6
212 0660 7 080e+6

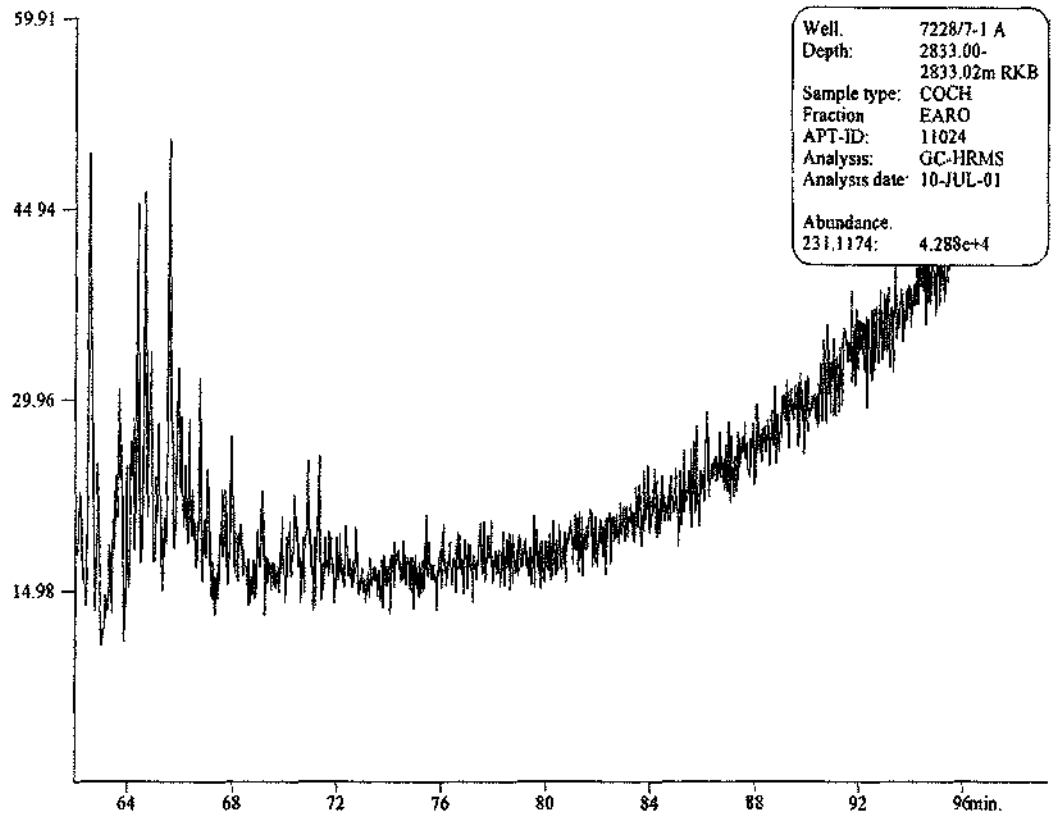

90 68
68 01
45 34
22 67
64
68
72
76
80
84
88
92
96min
Well 7228/7-1 A
Depth 2102 50m RKB
Sample type COCH
Fraction EARO
APT-ID 11817
Analysis GC-HRMS
Analysis date 28-OCT-01
Abundance
231 1174 1 129e+6

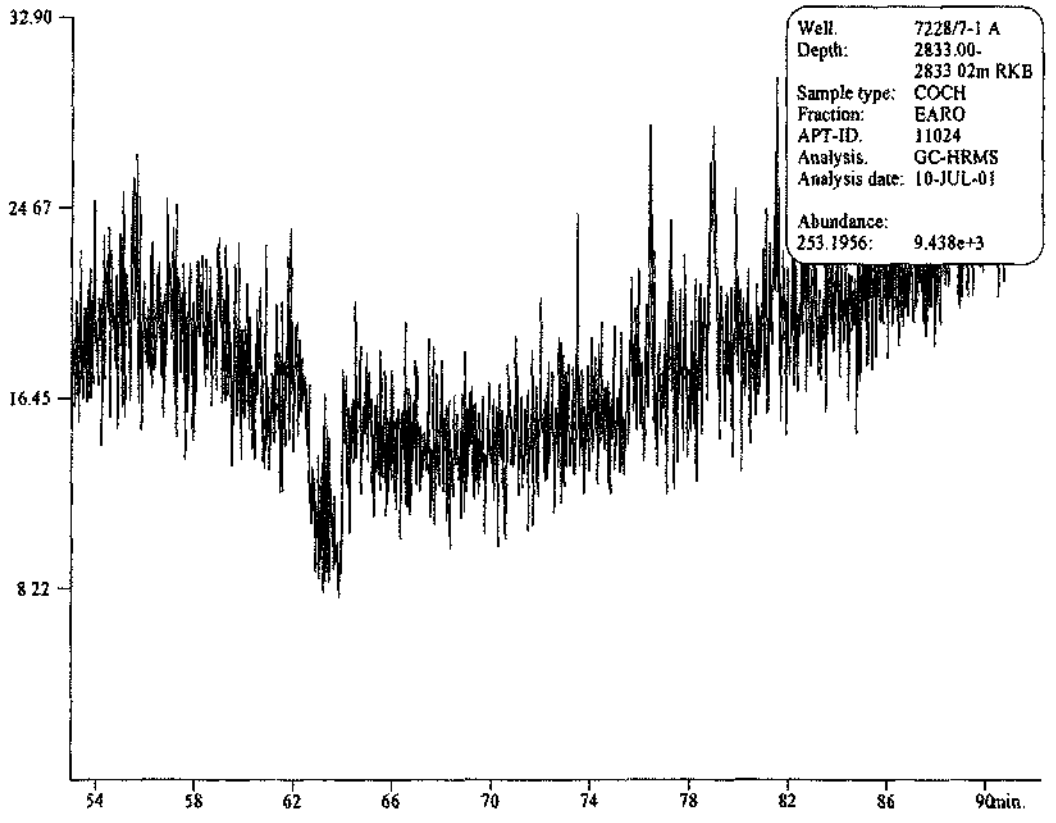

100.00
75.00
50.00
25.00
54
58
62
66
70
74
78
82
86
90mm
Well: 7228/7-1 A
Depth: 2102.50m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11817
Analysis: GC-IIRMS
Analysis date: 28-OCT-01
Abundance:
253.1956, 5.495e+5


100.00
75.00
50.00
25.00
14
16
18
20
22
24
26
28
30
32min.
Well: 7228/7-1 A
Depth: 2833.00-2833.02m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11024
Analysis: GC-HRMS
Analysis date: 10-JUL-01
Abundance:
142.0783: 7.854e+6
156.0939: 7.854e+6
170.1096: 7.854e+6


100.00
75.00
50.00
25.00
38
42
46
50
54
58
62min.
Well: 7228/7-1 A
Depth: 2833.00-2833.02m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11024
Analysis: GC-HRMS
Analysis date: 10-JUL-01
Abundance:
178.0783: 3.426e+6
192.0939: 3.426e+6
206.1096: 3.426e+6
219.1174: 3.426e+6


100.00
75.00
50.00
25.00
36
38
40
42
44
46
48
50
52min.
Well: 7228/7-1 A
Depth: 2833.00-2833.02m RKB
Sample type: COCH
Fraction: EARO
APT-ID: 11024
Analysis: GC-HRMS
Analysis date 10-JUL-01
Abundance.
184.0347: 1.445e+5
198.0503: 1.445e+5
212.0660 1.445e+5


59.91
44.94
29.96
14.98
64
68
72
76
80
84
88
92
96min.
Well: 7228/7-1 A
Depth: 2833.00-2833.02m RKB
Sample type: COCH
Fraction EARO
APT-ID: 11024
Analysis: GC-HRMS
Analysis date: 10-JUL-01
Abundance.
231.1174: 4.288e+4


32.90
24.67
16.45
8.22
54
58
62
66
70
74
78
82
86
90min.
Well. 7228/7-1 A
Depth: 2833.00-2833.02m RKB
Sample type: COCH
Fraction: EARO
APT-ID. 11024
Analysis. GC-HRMS
Analysis date: 10-JUL-01
Abundance:
253.1956: 9.438e+3

Experimental Procedures

All procedures follow NIGOGA, 4th Edition. Below are brief descriptions of procedures/analytical conditions.

Sample preparation

Cuttings samples are washed in water to remove mud. When oil based mud is used, soap (Zalo) is added to the sample and the sample is washed thoroughly in warm water to remove mud and soap.

Extraction

A Soxtec Tecator instrument is used. Thimbles are pre extracted in dichloromethane with 7% (vol/vol) methanol, 10 min boiling and 20 min rinsing. The crushed sample is weighed accurately in the pre extracted thimbles and boiled for 1 hour and rinsed for 2 hours in approximately 80 cc of dichloromethane with 7% (vol/vol) methanol. Copper blades activated in concentrated hydrochloric acid are added to the extraction cups to cause free sulphur to react with the copper. An aliquot of 10% of the extract is transferred to a pre weighed bottle and evaporated to dryness. The amount of extractable organic matter is calculated from the weight of this 10% aliquot.

Deasphaltening

The extract is evaporated almost to dryness before a small amount of dichloromethane (3 times the amount of EOM) is added. Then pentane is added in access (40 times the volume of EOM and dichloromethane). The solution is stored for at least 12 hours in a dark place before the solution is filtered or centrifuged and the weight of the asphaltenes measured.

MPLC

The MPLC is constructed as described by Radke et al. (1980). The system includes two HPLC pumps, sample injector, sample collector, RI-detector, UV-detector and two packed columns. The pre column is filled with Kieselgel 100, which is heated at 600 °C for 2 hours to deactivate it. The main column is a LiChroprep Si60, which is heated at 120 °C for 2 hours to make it water free.
Approximately 30 mg of deasphaltened oil or EOM diluted in 1 ml hexane is injected and separated into a saturated, an aromatic and a polar fraction.

TOC and Rock-Eval

A Rock-Eval 6 instrument is used. The analysis is performed in two steps, pyrolysis and oxidation, when TOC is measured. Jet-Rock 1 was run as every tenth sample and checked against the acceptable range given in NIGOGA.

Temperature programme

Pyrolysis: 300 °C (3 min.) - 25 °C/min. - 650 °C (0 min.)
Oxidation: 400 °C (3 min.) - 25 °C/min. - 850 °C (5 min.)

Iatroscan
An Iatroscan MK-5 (TLC/FID Analyser) instrument is used. 2 µl of extract or diluted oil is spotted on Chromarod S-III rods before elution in hexane (25 min), toluene (8 min) and dichloromethane with 7 % methanol (vol/vol). The solvent is allowed to evaporate before the rods are placed into the next eluation chamber. Before running the rods in the analyser, the rods are heated for 90 sec. in a heating chamber at 60 °C.

GC of whole oil
A HP5890 II instrument is used. The column is a HP PONA, length 50 m, i.d. 0.2 mm, film thickness 0.5 µm. 2,2,4-tri-methane-pentane is used as an internal standard.

Temperature programme
30 °C (10 min.) - 2 °C/min. - 60 °C (10 min.)- 2 °C/min - 240 °C (60 min.)

GC of saturated fraction
A HP5890 II instrument is used. The column is a CP-Sil-5 CB-MS, length 25 m, i.d. 0.25 mm, film thickness 0.25 µm. C12D26, C20D42, C24D50 and C30D62 are used as internal standards.

Temperature programme
50 °C (1 min.) - 4 °C/min. - 310 °C (25 min.)

GC of aromatic fraction
A HP5890 instrument is used. The column is a CP-Sil-8 CB, length 50 m, i.d. 0.25 mm, film thickness 0.25 µm.

Temperature programme
50 °C (1 min.) - 4 °C/min. - 310 °C (25 min.)

PyGC
A HP5890 II instrument with a MSSV injector and a FID is used. The column is a CP-Sil-5 CB-MS, length 25 m, i.d. 0.25 mm, film thickness 0.25 µm.
During the run the pyrolysis oven starts at 330 °C. The tube is then broken and the temperature increased to 600 °C at a rate of 25 °C/min. The pyrolysis products are collected in the cold trap for fourteen minutes.

Temperature programme
30 °C (15 min.) - 5 °C/min. - 310 °C (23 min.)

GCMS of saturated and aromatic fractions
A Micromass ProSpec high resolution instrument is used. The instrument is tuned to a resolution of 3000 and data is acquired in Selected Ion Recording (SIR) mode. The column used is a 60 m CP-Sil-5 CB-MS with an i.d. of 0.25 mm and a film thickness 0.25 µm.

d4-27ααR is used as internal standard when quantitative results are requested for the saturated compounds. The aromatic and aliphatic fractions may be analysed together or separately.

Temperature programme
50 °C (1 min.) - 20 °C/min. - 120 °C - 2 °C/min - 320 °C (20 min.)

Stable isotope analysis of gas compounds
5-10 ml of the gas is sampled with a syringe and then separated into the different gas components by a Carlo Erba 4200 gas chromatograph. The hydrocarbon gas components are oxidised in separate CuO-ovens in order to prevent cross contamination. The combustion products CO_2 and H_2O are frozen into collection vessels and separated.

The combustion water is reduced with zinc metal in sealed quartz tubes to prepare hydrogen for isotopic analysis. The isotopic measurements are performed on a Finnigan MAT 251 and a Finnigan Delta mass spectrometer.

The value for the NBS 22 standard is –29.77 ± 0.06 ‰ PDB. The analytical procedures are tested with a laboratory gas standard mixture. Based on repeated analysis of the gas standard, the reproducibility in the $\delta^{13}C$ value is better than 0.5 ‰ PDB for all components. The reproducibility in the δD value is likewise better than 10 ‰.

Stable carbon isotope analysis of oil, EOM and kerogen
The samples are dissolved in a known amount of dichloromethane, and 1-2 mg of the sample (or as much as possible) is then transferred to a glass container. The solvent is evaporated in an oven at 50 °C. CuO and some silver wires are added to the containers, which are then sealed by melting in a vacuum. The samples are then combusted in an oven at 550 °C for 1 hour (Sofer, 1980). The combustion products CO_2 and H_2O are separated at –80°C before the isotopic ratio is determined on a Finnigan MAT 251 mass spectrometer.

A standard (NGS NSO-1, topped oil) is analysed for each 10th sample. The $\delta^{13}C$ value obtained for this standard is –28.73 ‰ PDB. The variation in the isotopic values for the standard by repeated analysis over a period of four years is ± 0.16 ‰.

GC analysis of gas components
Aliqouts of 0.2 ml are sampled with a syringe for analysis on a Porabond Q column on a Carlo Erba HRGC 5300 equipped with a flame ionisation (FID) and a thermal conductivity (TCD) detector. The detection limit for the hydrocarbon gas components is 0.001 µl/ml, for CO_2 0.05 µl/ml.

Vitrinite reflectance analysis
The samples are prepared either as "whole rock" or are treated with hydrochloric and hydrofluoric acid prior to further preparation. The aim of the acid treatment is to avoid soft and expanding mineral phases in order to ensure good polishing quality. The whole rock or the kerogen resulting from the acid treatment is embedded in an epoxy resin to make

briquettes, ground flat and polished using 0.25 micron diamond paste and magnesium oxide as the two final steps.

The analytical equipment used is a Zeiss MPM 03 photometer microscope equipped with an Epiplan-Neofluar 40/0.90 oil objective. The sensitive measuring spot is kept constant for all measurements at about 2.5 micron in diameter. The measurements are made through a green band pass filter (546 nm) and in oil immersion (refractive index 1.515 at 18 °C). The readings are made without a polarizer and using a stationary stage. This procedure is called measurement of random reflectance (%Rm). The photometer is calibrated daily against a standard of known reflectance (%Rm = 0.588) and routinely (daily) checked against two other standards of significant different reflectances (%Rm = 0.879 and 1.696). A deviation from these values of less than ± 0.01 and ± 0.02 respectively is considered acceptable. The calibration is routinely checked during the course of measurements at least every hour, and a deviation of less than ± 0.005 is considered acceptable.

For each sample at least 20 points are measured if possible, and quality ratings are given to various important aspects, which may affect the measurements. These aspects are abundance of vitrinite, uncertainties in the identification of indigenous vitrinite, type of vitrinite, particle size, particle surface quality and abundance of pyrite.