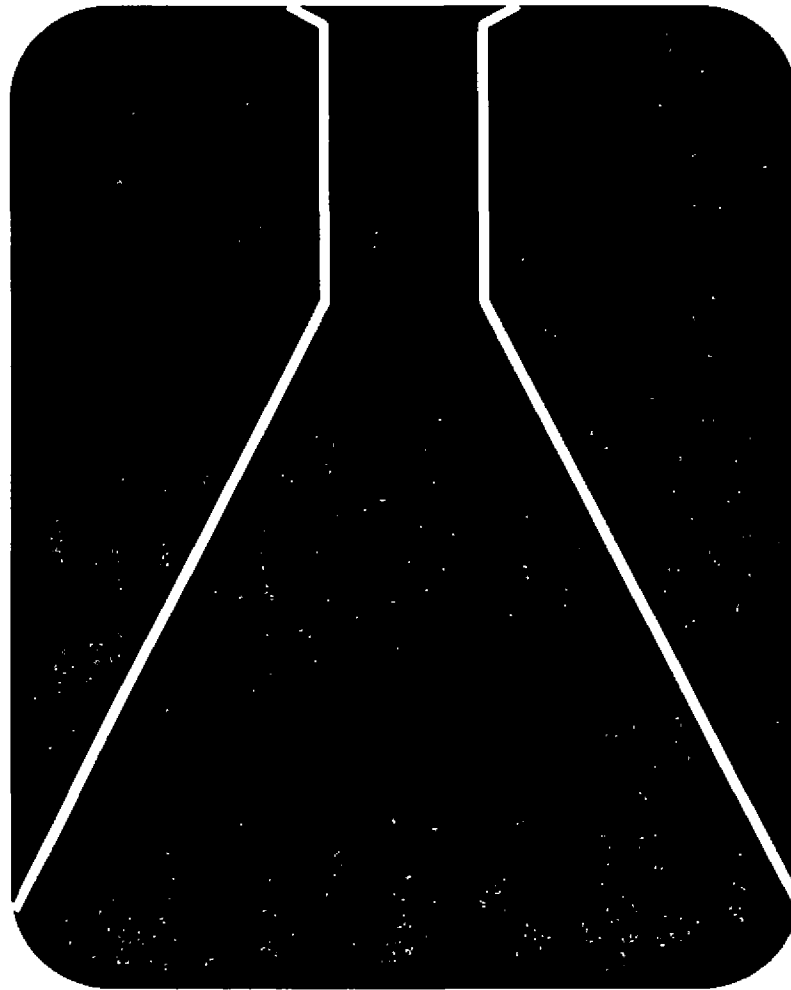


Geochemical Analysis Report
Well NOCS 7/8-2



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PRE-CRETACEOUS HYDROCARBON POTENTIAL
OF THE NORWEGIAN CENTRAL GRABEN

GEOCHEMICAL ANALYSIS
Well NOCS 7/8-2

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INTRODUCTION

This well is from the northern part of the Norwegian Central Graben.

The total drilled depth was 3006 m and samples were collected from 1280 m to TD. Samples from Tertiary and Upper Cretaceous were collected with relatively large spacing and only used for maturity evaluation, while samples from 2700 m (Lower Cretaceous) to TD were collected every three metres.

A careful selection of suitable samples was made for screening analysis, i.e. TOC and Rock-Eval analysis. Forty-nine (49) samples were selected for this analysis and from the data, samples for follow-up analysis were chosen:

Thermal extraction - pyrolysis - gas chromatography	23 samples
Vitrinite reflectance microscopy	23 samples
Visual kerogen analysis	9 samples

Due to the low amount of samples no extractions were performed.

-	Fjerritslev Fm.	2866 - 2910 m
-	Gassum Fm.	2910 - 2937 m
-	Skagerrak Fm.	2937 - 2997 m
-	Zechstein Gr.	2997 - 3006 m

LITHOLOGY AND TOTAL ORGANIC CARBON CONTENT

Figure 1 shows the variation in TOC over the analysed interval of the well plotted with a generalized lithostratigraphic column.

Tertiary (- 2440 m)

Some of the Tertiary samples were described and analysed for organic carbon. Most of the samples consist of a brown-grey to brown-black, calcareous, silty shale. Down to approximately 1800 m the TOC contents vary from 4.5 to 7.5 %. Below this depth, the analysed samples have a lower TOC content; 1.4 - 2.3%. Since so few samples from this interval were analysed, it is impossible to discuss a trend, but the TOC data show a distinct drop with increasing depth.

Cretaceous (2440 - 2808 m)

Cromer Knoll Group (2657 - 2808 m)

The samples consist of a mixture of a brown-grey to olive-grey and light grey to medium grey shale, a dusky red shale and a carbonate. The carbonate is mainly caved material, while the two different shale lithologies are mainly in-situ material. The dusky red shale has a low TOC content while the grey shale has a TOC content of approximately 2 % at the top, decreasing with depth to less than 1 % below 2750 m.

Jurassic (2808 - 2997 m)

Boknfjord Group (2808 - 2835 m)

Kimmeridge Clay Formation (2808 - 2835 m)

Only one sample (2819 - 2822 m) from this interval was available for analysis. The material in the sample was obviously not from the Kimmeridge Clay Fm. and is most probably caved material.

Vestland Group (2835 - 2866 m)

Ula Formation (2835 - 2842 m)

No samples analysed.

Sleipner Formation (2842 - 2866 m)

No samples analysed.

Fjerritslev Formation (2866 - 2910 m)

The samples from this formation consist of a mixture of various coloured shale, sandstone and carbonate. The sandstone and carbonate are most probably caved material, while the green-grey/olive-grey shale is in-situ material. These samples have TOC values of approximately 1 %.

Gassum Formation (2910 - 2937 m)

Mainly a sandstone formation with a very low TOC value for the one analysed sample.

Skagerrak Formation (2937 - 2997 m)

Most of these samples consist of grey-brown/red shale with TOC values of 0.5 - 1 %. Some of the samples between 2960 m and 2990 m have 15 - 20 % of grey-black to medium dark grey silty shale with 3.5 - 5 % organic carbon. It is believed that this is in-situ, interbedded, material.

ROCK-EVAL ANALYSIS

1. Kerogen Type and Richness
(Hydrogen Index, Oxygen Index and Petroleum Potential)

Tertiary (- 2440 m)

A few shale samples from the Tertiary interval were analysed by Rock-Eval. The samples have relatively high TOC values, 2 - 7.5 %, but they all have low hydrogen indices and high oxygen indices, which clearly show that they contain kerogen type III/IV. The S_1 peaks are relatively large for these samples, which would indicate that they contain migrated hydrocarbons. The large S_1 peaks strongly influence the petroleum potential (PP), which varies from 1.5 to 10.4, with an average of 5.8 mg HC/g rock. Assuming that the high S_1 peaks do not come from in-situ generated material, the analysed samples from the Tertiary sequence have a poor/fair potential as a source rock for gas.

Cretaceous (2440 - 2808 m)

Cromer Knoll Group (2657 - 2800 m)

The analysed samples from the Cromer Knoll Group all have low hydrogen indices (20 - 107), and high oxygen indices, (28 - 213), which clearly shows that these samples consist mainly of kerogen type IV. The petroleum potential is low for all the analysed samples (0.2 to 5.1), with an average of 2.7 mg HC/g rock. These data clearly show that the Cromer Knoll Group has a poor potential as a source rock for gas.

Jurassic (2808 - 2997 m)

Boknfjord Group (2808 - 2835 m)

Kimmeridge Clay Formation (2808 - 2835 m)

No samples analysed.

Vestland Group (2835 - 2866 m)

Ula Formation (2835 - 2842 m)

No samples analysed.

Sleipner Formation (2842 - 2866 m)

No samples analysed.

Fjerritslev Formation (2866 - 2910 m)

The few analysed samples from this formation have low hydrogen indices and high oxygen indices similar to that found for the Cromer Knoll Gr. The petroleum potential is also low (an average of 1.7 mg HC/g rock), which shows that these samples have a poor potential as a source rock for gas.

Gassum Formation (2910 - 2937 m)

Sandstone formation, no source rock potential.

Skagerrak Formation (2937 - 2997 m)

Both lithologies encountered in these samples were analysed. The grey-brown/red shale has low hydrogen indices and high oxygen indices with low petroleum potentials similar to those encountered higher up in the well, i.e. kerogen type IV with a poor potential as a source rock for gas. The grey-black to medium dark grey shale has far higher hydrogen indices, 290 - 370 mg HC/g TOC and lower oxygen indices, than the other lithologies. The petroleum potential is also significantly higher (12.0 - 21.6), with an average of 17.0 mg HC/g rock. This indicates that this lithology consists of kerogen type II/III with a good potential as a source rock for oil.

2. Generation and Migration

(Production Index $S_1/(S_1+S_2)$ and S_1/TOC)

The shales in the Tertiary, Cretaceous and Jurassic (except for the grey-black to medium dark grey shale in the Skagerrak Fm.) have high production indices, varying from 0.35 for the Tertiary samples to 0.7 - 0.8 in the Cretaceous and Jurassic samples. The S_1/TOC is also very high for these samples. These data clearly indicate that the samples contain hydrocarbons not generated in-situ, i.e. either migrated hydrocarbons or mud additives. The production indices and S_1/TOC values are far lower for the grey-black shale, approximately 0.15 and 0.5 respectively. These data indicate that these samples only contain in-situ generated hydrocarbons.

3. Maturity (Tmax)

The Tmax values show significant variations throughout the analysed sequence of this well. The Tertiary sequence has mainly values of 424 - 426°C, which clearly show that the

type III kerogen in these samples is immature. The Cretaceous samples have mostly very low Tmax values (below 400°C) - this is due to contamination by free hydrocarbons. The few reliable Tmax values are between 424 - 426°C, which indicates that this sequence is immature. A similar situation is also found for the Jurassic samples, i.e. some samples showing extremely low Tmax values due to contamination, while other samples have values below 430°C. The grey-black shale has Tmax values of 433 - 436°C which show that this is moderate mature.

EXTRACTION DATA

Due to the poor quality and low amount of samples from the different intervals in this well no samples were extracted.

THERMAL EXTRACTION - GAS CHROMATOGRAPHY

Twenty-three (23) samples were analysed by thermal extraction - gas chromatography.

Tertiary (- 2440 m)

Three samples, (2057 m, 2210 m and 2438 m) from this interval, were analysed. They all show a large abundance of n-alkanes between nC_{14} and nC_{20} -typical for diesel. The free hydrocarbons registered in the Rock-Eval analyses are therefore most probably diesel, Figure 4a.

Cretaceous (2440 - 2808 m)

Cromer Knoll Group (2440 - 2808 m)

Ten samples from the Cromer Knoll Group and one from just above the boundary, were analysed. Almost all the samples show the same narrow band of hydrocarbons as seen for the Tertiary samples, i.e. diesel. The carbonate samples from 2710 m show a slightly different pattern with slightly heavier hydrocarbons. This could represent migrated hydrocarbons.

Jurassic (2808 - 2997 m)

Boknfjord Group

Kimmeridge Clay Formation (2808 - 2835 m)

One sample from this interval was analysed. It is most probably caved material and the only detected hydrocarbons are similar to those registered higher up in the well, i.e. diesel.

Fjerritslev Formation (2866 - 2910 m)

One sample (2883 m), was analysed. The chromatographic pattern is the same as higher up in the well, i.e. diesel.

Gassum Formation (2910 - 2937 m)

Two samples from this formation, both from 2932 m, were analysed, showing the same typical diesel pattern as seen higher up in the well.

Skagerrak Formation (2837 - 2997 m)

Five samples from this formation were analysed. The grey-brown/green-red shale samples from 2981 m and 2990 m show the same typical diesel pattern as seen higher up in the well. The grey-black to medium dark grey shales from 2963 m, 2972 m and 2990 m, show hydrocarbons from nC_{10} to nC_{26} with a maximum at nC_{15} , Figure 4b. This represents in-situ generated hydrocarbons, indicating that the kerogen is type II with a good potential, generating well mature hydrocarbons. The picture might be slightly distorted by diesel in the mud, which will also affect these samples.

PYROLYSIS - GAS CHROMATOGRAPHY

Twenty-three (23) samples were analysed by pyrolysis - gas chromatography.

Tertiary (- 2440 m)

Three brown-grey to brown-black shales from this interval were analysed. All of the samples show a large abundance of aromatic compounds at the front end of the chromatogram up to C₁₆. From C₁₆ the n-alkanes dominate the chromatograms, Figure 5a. This is probably because the samples are so badly contaminated by diesel that all the hydrocarbons are not removed by thermal extraction. The pattern is typical for kerogen type III.

Cretaceous (2440 - 2808 m)

Cromer Knoll Group (2657 - 2808 m)

Of the Cretaceous samples that were analysed, one is from above the Cromer Knoll Group. The pyrograms of these samples vary significantly. The sample from 2636 m shows mainly light material, together with some aromatic compounds and a series of n-alkanes between nC₁₄ and nC₂₄. The latter probably represents diesel. The kerogen is either type III or III/IV. Similar results are also seen for the brown-grey to olive-grey, light-grey to olive-grey shale samples between 2700 and 2807 m, while the dusky red shale from 2700 m hardly shows anything other than the diesel contaminant, indicating that this sample contains kerogen type IV. The carbonate sample from 2710 m shows only a few peaks, typical for kerogen type IV.

The contamination from diesel varies for the different samples, but the pattern for the pyrolysates clearly show that these samples contain kerogen type IV or a mixture of IV/III at best.

Jurassic (2808 - 2997 m)

Boknfjord Group

Kimmeridge Clay Formation (2808 - 2835 m)

The analysed sample from this formation is most probably caved material. The pyrogram is similar to that found in the Cromer Knoll Fm., i.e. type IV/III kerogen with diesel contamination.

Fjerritslev Formation (2866 - 2910 m)

One sample, brown-grey/green-grey shale from 2883 m, was analysed. The pyrogram is similar to the samples above, i.e. kerogen type IV/III, contaminated by diesel.

Gassum Formation (2910 - 2937 m)

Two samples, a sandstone and a brown-grey/green-grey shale (both from 2932 m), were analysed. The sandstone shows a few peaks from light hydrocarbons, together with some heavier n-alkanes. This could be due to contamination. The shale shows the same pattern as seen above, i.e. kerogen type IV/III contaminated by diesel.

Skagerrak Formation (2937 - 2997 m)

Five samples (three grey-black to medium dark grey shale and two brown-grey/olive-grey shales) were analysed. The brown-grey/olive-grey shale samples show the same pyrolysis patterns as seen in the samples above, i.e. kerogen type III/IV contaminated by diesel, whilst the grey-black to medium dark grey shale samples show a completely different pattern with strong doublets of alkanes/alkenes, C₂ to C₃₀, Figure 5b. The aromatic compounds such as toluene and xylenes are clearly seen, indicating some input of terrestrial material. The pyrograms indicate that these samples contain a mixture of kerogen type II/III.

VITRINITE REFLECTANCE ANALYSIS

Figure 6 shows a reflectance/depth plot.

A total of twenty-three (23) samples was analysed, covering the interval 1280 m to 3000 m. In the post-Jurassic section of the well, down to approximately 2600 m, a fairly regular, gentle rise in reflectance occurs with values rising from 0.32 % at 1280 m to approximately 0.5 % at 2600 m. Phytoclasts are generally present in trace amounts in these samples but good proportions of vitrinite to inertinite are often present, making readings reliable. Low readings were obtained for the samples from 2057 m and 2286 m. In both samples the dominant lithology is marl or calcareous shale and vitrinite particles are rare. These results may therefore include some caved material. A high result (0.51 %) was obtained for the sample from 2365 m. This may be due to oxidation effects on the vitrinites as approximately 30 % of the cuttings in this sample contained hematite.

Low to trace amounts of spores are found throughout this upper part of the sequence and spore fluorescence colours generally show a good agreement with the measured reflectance.

Below 2600 m the depth/reflectance profile becomes complicated, with many samples showing depressed reflectance values. Again, samples are generally poor in phytoclasts, but there is also a very minor proportion of vitrinite present. Staining is not particularly heavy in any of the samples and it appears that the low reflectance may be related to the type of organic matter which was the vitrinite precursor.

The sample from 2804 m has a mixed claystone lithology and is very poor in vitrinite. The reflectance value for this

sample (0.53 %), although obtained from only 5 readings, appears to reflect the actual maturity in this region better than most of the surrounding values. The two lowermost analysed samples are also poor in vitrinite but again give more acceptable reflectance values of 0.56 % (2990 m) and 0.57 % (2999 m).

These higher values, found in the lower part of the sequence, not only fit in with the reflectance gradient of the upper part but also agree well with the spore fluorescence colours, which indicate a higher maturity than suggested by the low group of reflectance values.

To summarize, the reflectance trend rises from immature levels of 0.3 - 0.35 % at approximately 1250 m to just under 0.6 % at 3000 m. The depth/reflectance profile is complicated in the Jurassic section of the well by the presence of low reflecting vitrinites. Discounting the low reflectance values, the Jurassic section appears to be moderately mature with reflectance values rising from 0.53 % to 0.57 % from the top to the base.

VISUAL KEROGEN COMPOSITION

Nine samples from this well were examined in transmitted light. The samples are all shale/claystone and range in depth from 1280 m to 2990 m (five samples from the Tertiary, are from the Cretaceous and three from the Skagerrak Formation). The kerogen composition data is plotted in Figure 7.

The five Tertiary samples are all brown-grey to brown-black claystones. They appear to be very low maturity (where possible to estimate, spore colour indices, SCI's, are in the order of 3 to 4, but the general kerogen appearance is that of very immature samples). The two uppermost samples (1280 m and 1448 m) are both very dominantly vitrinitic (90 % in both) with low amounts of liptinite (5 %) and inertinite (5 %). The lowermost two samples (1829 m and 2057 m) have slightly less vitrinite and slightly more liptinite.

The one sample from the Cromer Knoll Group (2210 m) is also a claystone, only slightly different in colour. It has a similar composition to the uppermost Tertiary samples (90 % vitrinite, 5 % liptinite and 5 % inertinite).

The Skagerrak Fm. samples (2963 m, 2972 m and 2990 m) are all grey-black to medium dark-grey claystones and are very different in kerogen composition to samples above. In addition to being far higher, the liptinite content (65 - 70 %) is much more diversified (dominantly liptodetrinite and spore/pollen but also algae and dinoflagellates and possible cuticles). The vitrinite content is secondary (25 % in all samples) and includes both amorphinite (dominant in the 2963 m and 2972 m samples) and vitrodetrinite. The inertinite is mainly inertodetrinite with more clearly distinguishable semifusinite in the lowermost sample. The maturity of these samples appears to be within the same

general interval as some of the samples above (SCI 3.5 - 4). It is not clear whether this is due to some reworked material in the Tertiary section or caving of samples into the Skagerrak Fm.

CONCLUSIONS

Based on the various analyses undertaken on samples from this well, the following conclusions were made:

1. Source Rock Potential

Tertiary (. - 2440 m)

Only a few shale samples of Tertiary age were analysed. All the analyses indicate that these samples contain kerogen type III, which would give a potential for gas. Too few samples were analysed to evaluate the whole of the Tertiary sequence.

Cretaceous (2440 - 2808 m)

Cromer Knoll Group (2657 - 2808 m)

The Cromer Knoll Group consists mainly of a medium grey and red-brown shale. The organic carbon content varies between 1 and 2 %. There is a considerable variation in the petroleum potential, (1.5 to 10.4 mg HC/g rock) with an average of 5.8 mg HC/g rock. This is artificially high due to a significant amount of diesel in the samples. Based on the poor quality of kerogen found for most of the samples, the whole of the Cromer Knoll Group is suggested to have a poor potential as a source rock for gas.

Jurassic (2808 - 2997 m)

Boknfjord Group (2808 - 2835 m)

Kimmeridge Clay Formation (2808 - 2835 m)

No in-situ material was found for this interval.

Vestland Group (2835 - 2866 m)

Ula Formation (2835 - 2842 m)

Sandstone formation, no generation potential.

Sleipner Formation (2842 - 2866 m)

Sandstone formation, no generation potential.

Fjerritslev Formation (2866 - 2910 m)

This formation consists of a mixture of various coloured shales. A number of these shales were analysed and found to have TOC values of approximately 1 %. Various analyses show that the samples from this formation consist of kerogen type IV or possible III/IV with a low petroleum potential. This would give this formation a poor potential as a source rock for gas.

Skagerrak Formation (2937 - 2997 m)

Most of this formation consists of grey-brown/red shale with low TOC values, 0.5 - 1 %. This shale has a low petroleum potential and various analyses show that it contains kerogen type IV or III/IV with a poor potential as a source rock for gas.

Interbedded in this shale is also found a grey-black to

medium dark grey silty shale. This has TOC values of 3.5 % to 5 % and a high petroleum potential, average 17.0 mg HC/g rock. The relatively high hydrogen indices and data from pyrolysis - gas chromatography show that this shale contains kerogen type II/III giving it a rich potential as a source rock for oil.

2. Generation and Migration

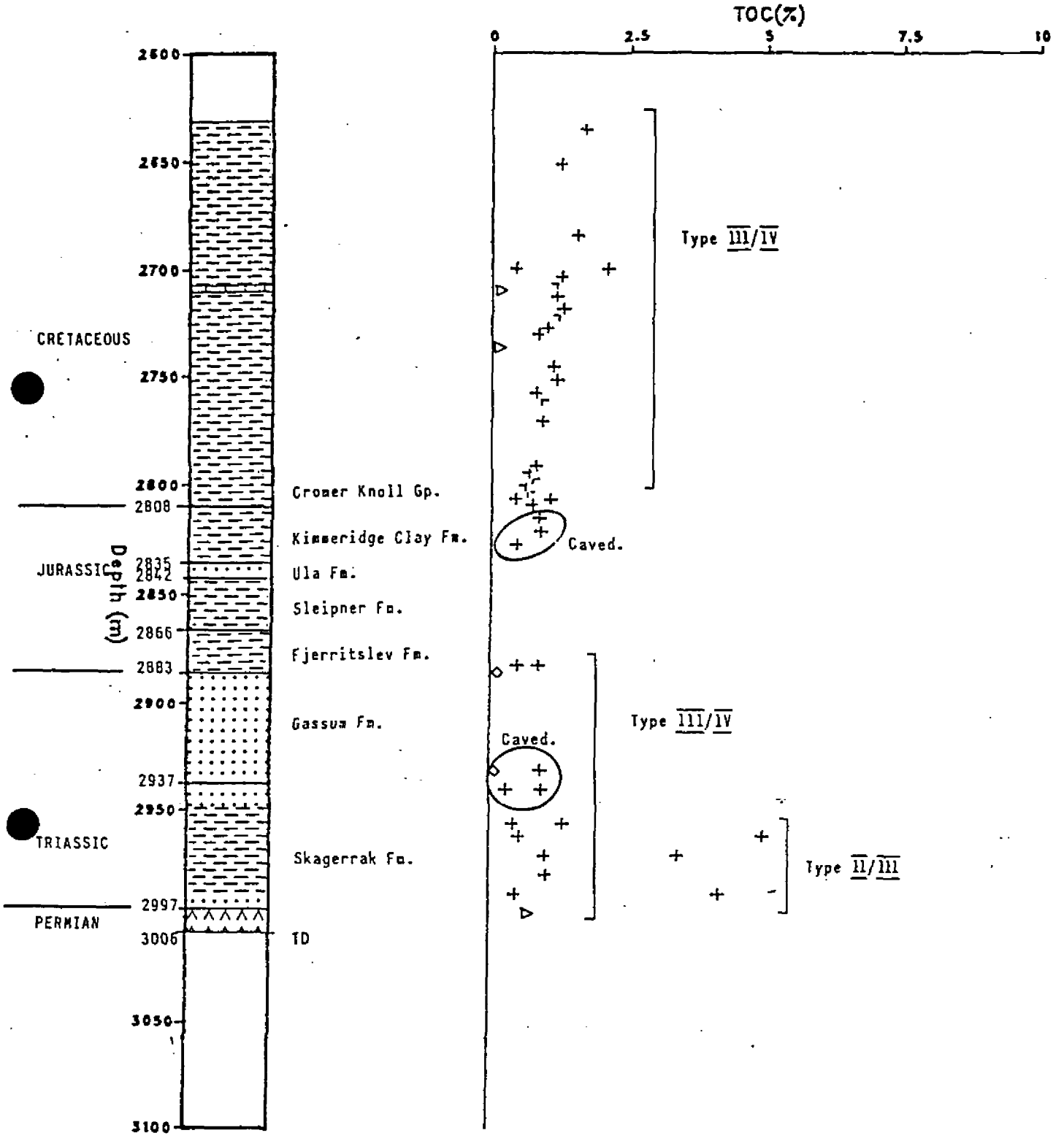
The whole analysed sequence in this well is contaminated by diesel, which makes it difficult to evaluate in-situ generated hydrocarbons. Based on available data, only the grey-black to medium dark grey shale in the Skagerrak Formation has generated any hydrocarbons.

3. Maturity

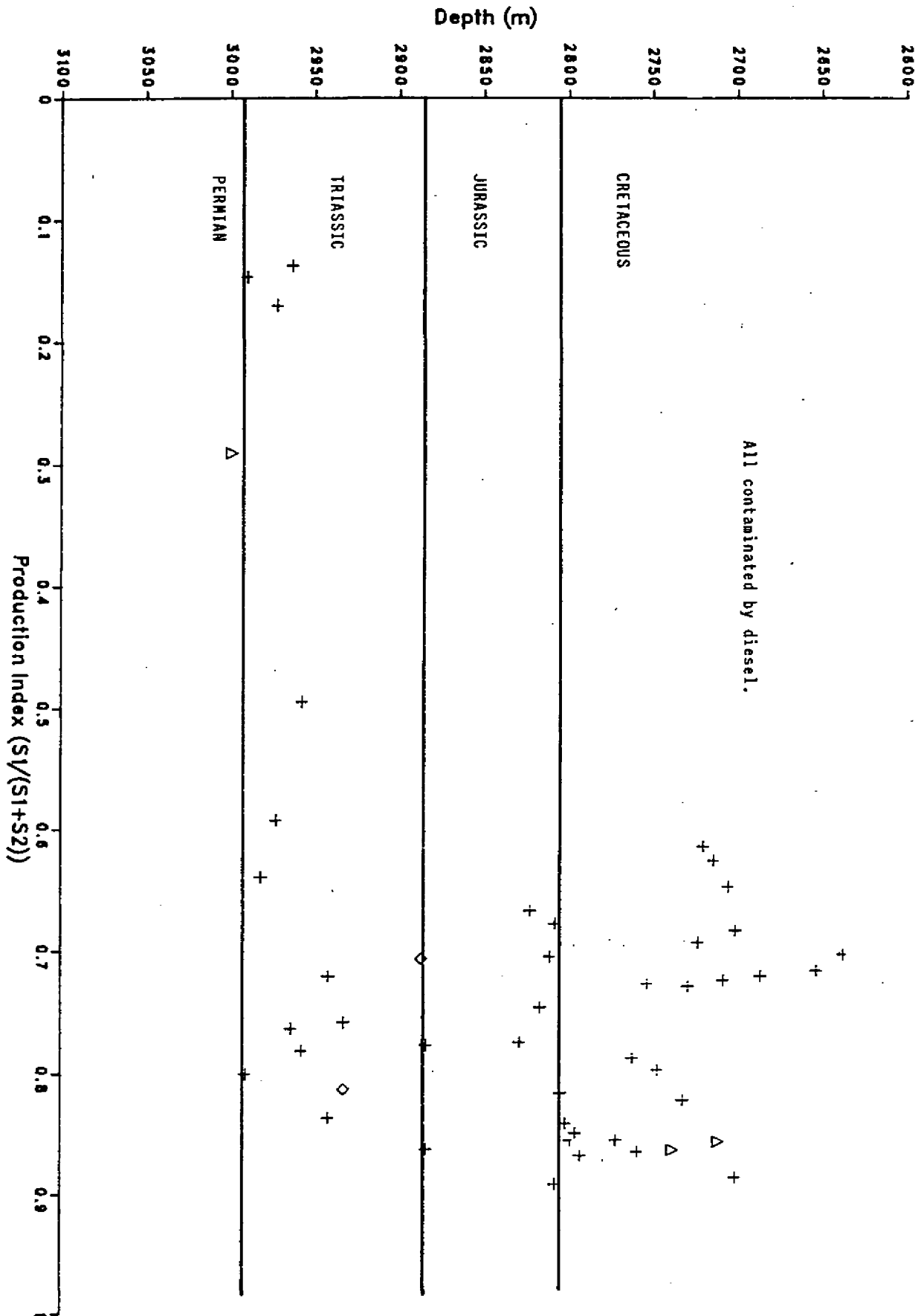
Vitrinite reflectance and Rock-Eval data show that most of this well is immature. The lower part of the well, especially the Skagerrak Formation, is moderate mature to early mature ($R_o = 0.6$ %).

Figure: 1

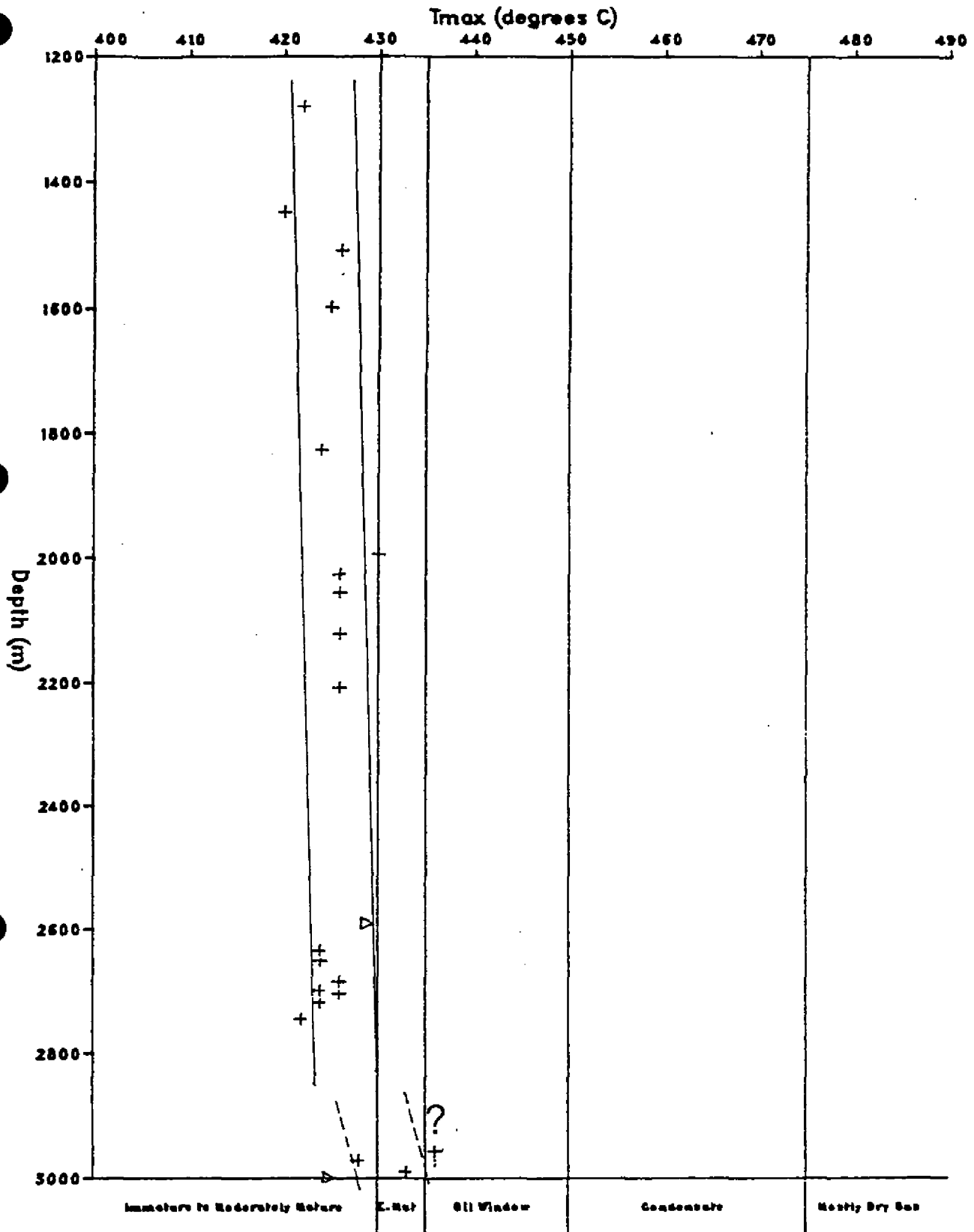
TOC Data for Well NOCS 7/8-2



Production Index Data for Well NOCS 7/8



Tmax Data for Well NOCS 7/8-2



Analysis PC040111L 24, 1, 1 7/8-2, 2210m, S1

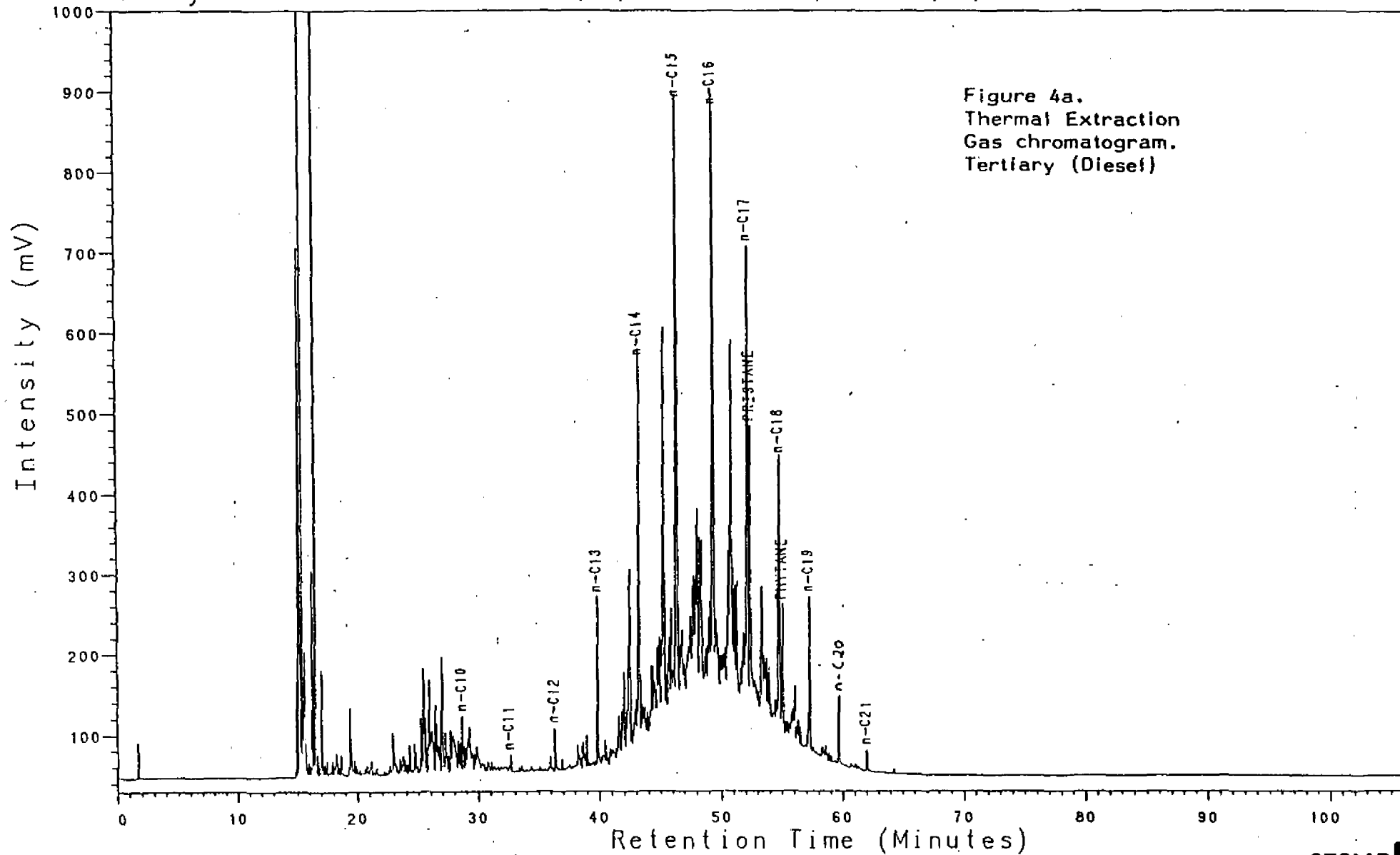


Figure 4a.
Thermal Extraction
Gas chromatogram.
Tertiary (Diesel)

NOCS 7/8-2 2210m
THERMAL EXTRACTION GC (S1)
ST: brn gy to brn blk, m drk
rv

Analysis CC2432963

24, 1, 1

7/8-2, 2963m, S1

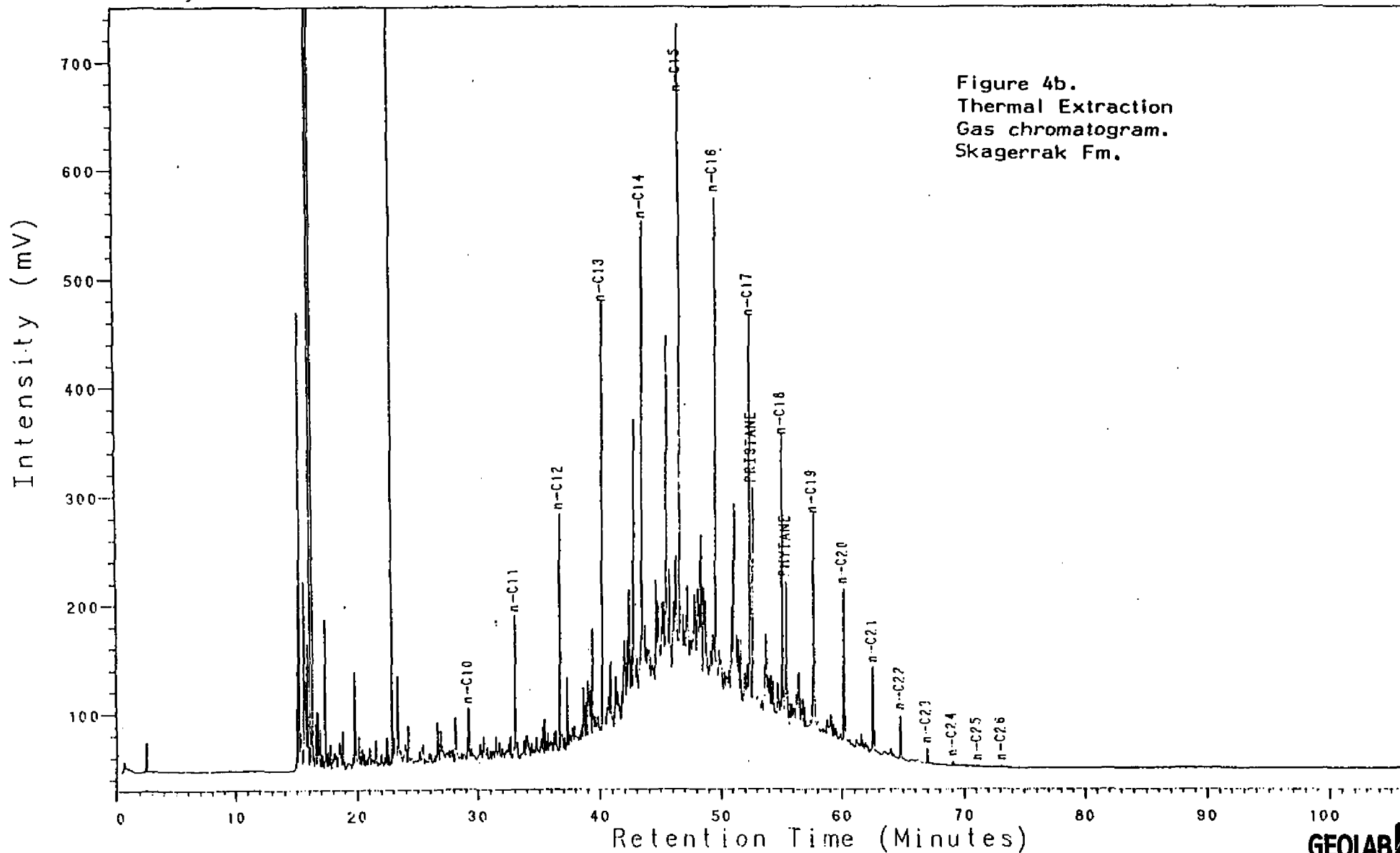


Figure 4b.
Thermal Extraction
Gas chromatogram.
Skagerrak Fm.

WELL 7/8-2 2963m
THERMAL EXTRACTION GC (S1)
CLST: gy blk to m drk gy

Analysis PC040111L 23, 1, 1 7/8-2, 2210m, S2

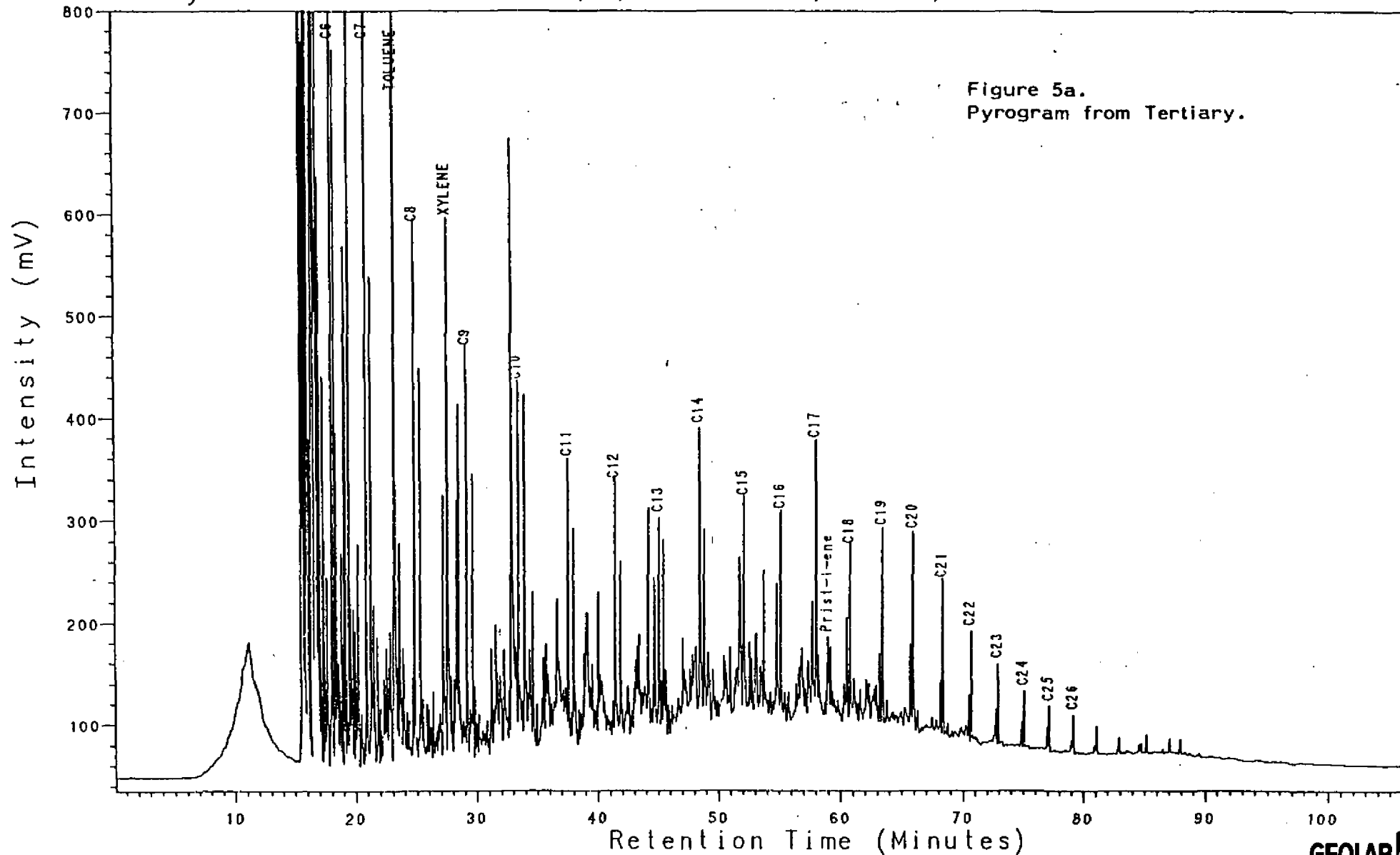


Figure 5a.
Pyrogram from Tertiary.

NOCS 7/8-2 2210m
PYROLYSIS GC (S2)
○ ST: brn gy to brn blk,

Analysis CC2432963

23, 1, 1

7/8-2, 2963m, S2

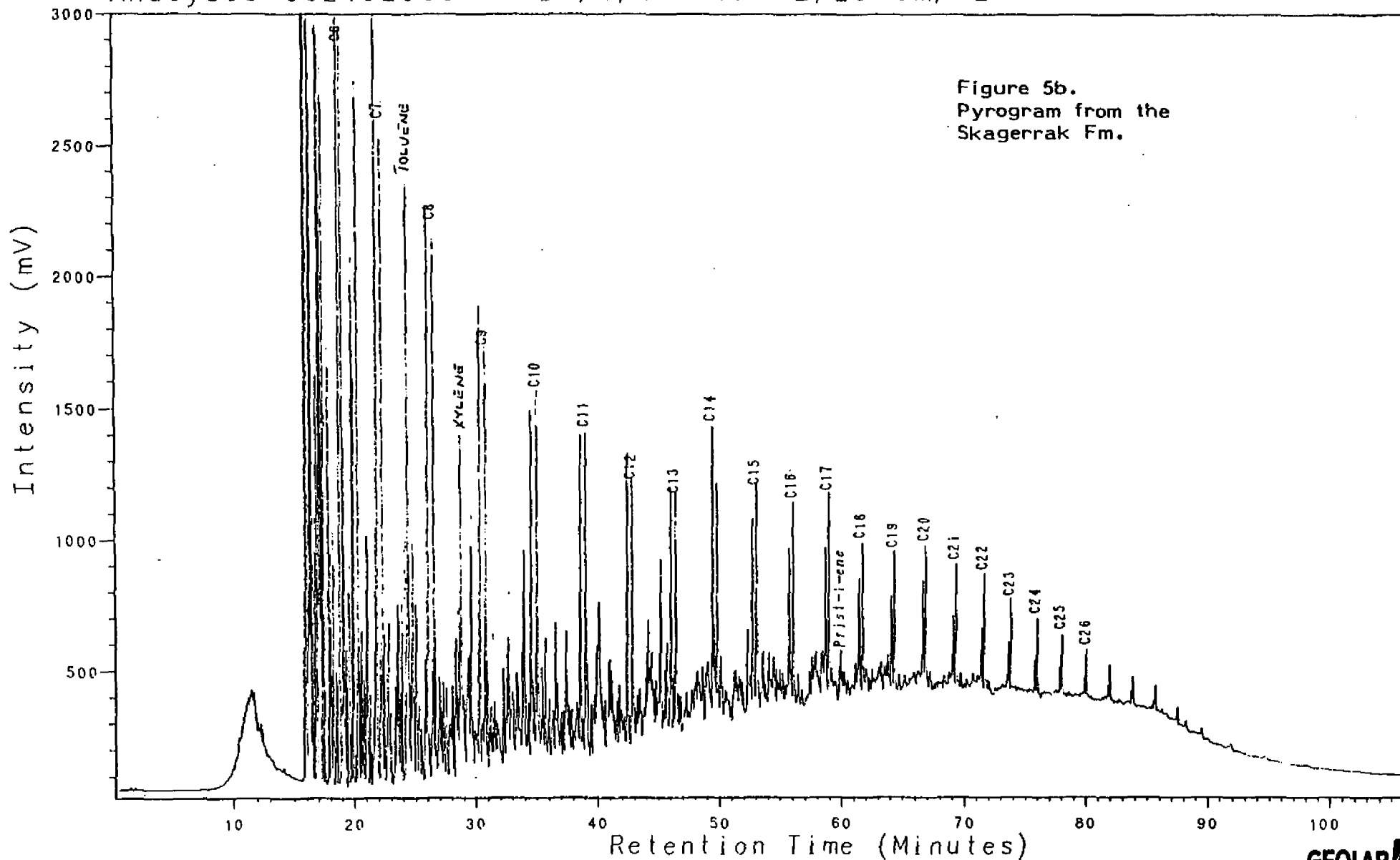
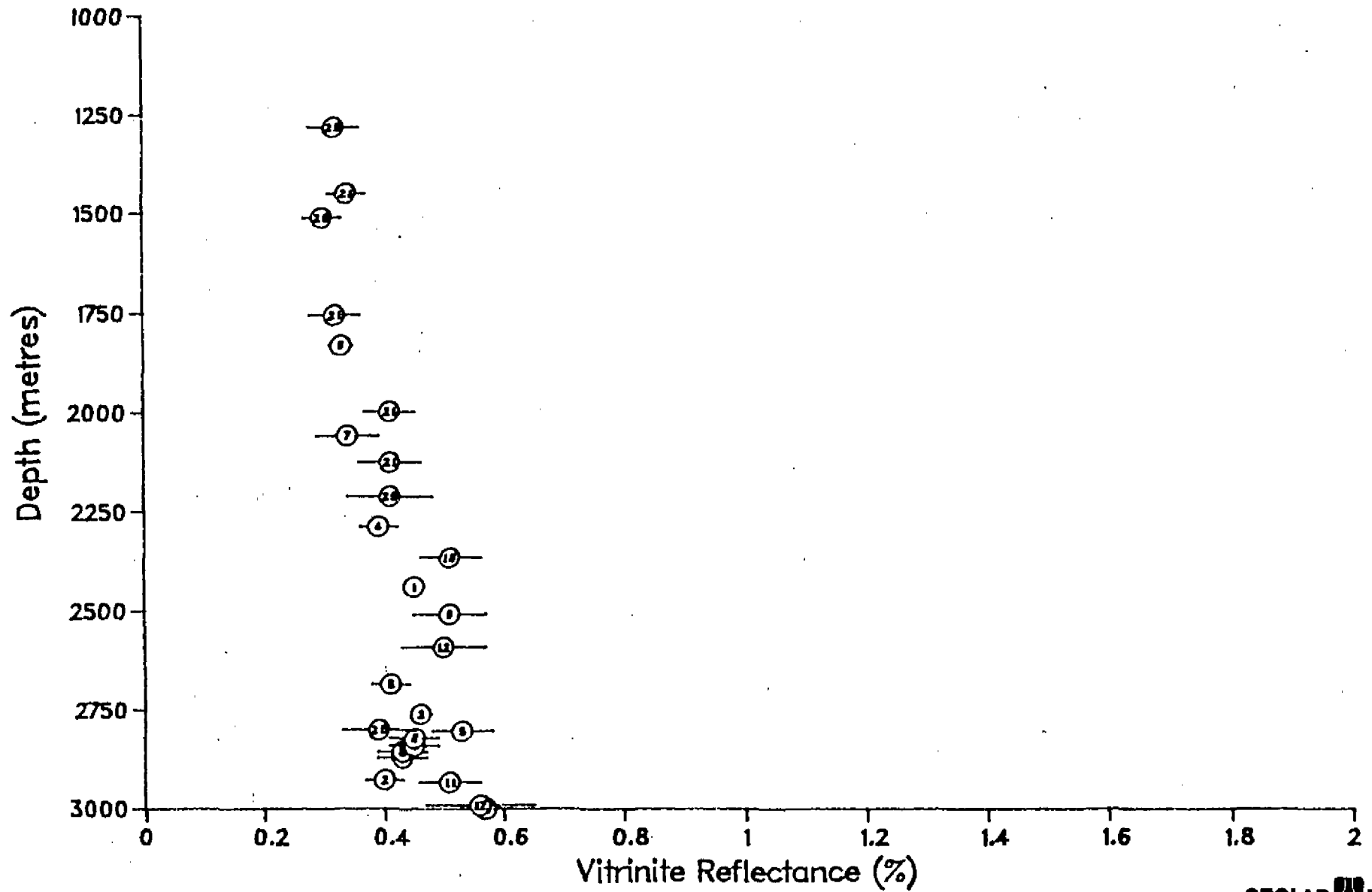


Figure 5b.
Pyrogram from the
Skagerrak Fm.

WELL 7/8-2 2963m
PYROLYSIS GC (S2)
CLST:gy blk to m drk gy

Figure 6: Vitrinite Reflectance versus Depth
Well NOCS 7/8-2



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Well NOGS 7/8-2

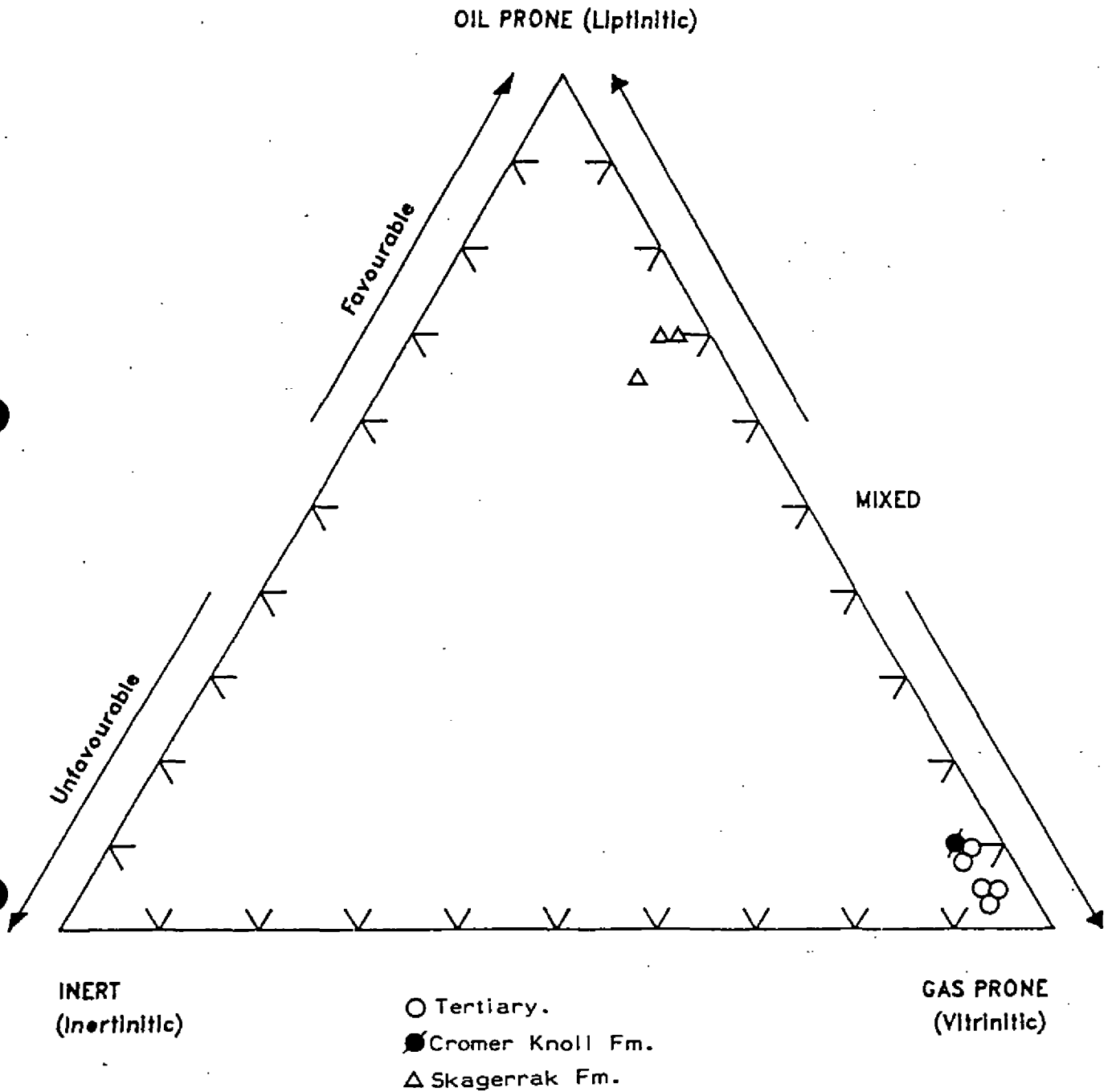


Table 1 : Lithology description for well NOCS 7/8-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
1280.00				001
	4.48	95 Sh/Clst: brn gy, calc, slt, mic, st 5 Cont : dd		001-1L 001-2L
1448.00				002
	7.45	70 Sh/Clst: brn gy to lt brn gy, slt, mic, st 25 Cont : dd, bar 5 Sh/Clst: gy pi, calc		002-1L 002-3L 002-2L
1509.00				003
	5.90	60 Sh/Clst: brn gy to brn blk, slt, mic 30 Cont : dd, bar 10 Sh/Clst: gy pi to y gy, calc		003-1L 003-3L 003-2L
1600.00				004
	5.89	50 Sh/Clst: brn gy to brn blk, slt, mic 30 Cont : bar 20 Sh/Clst: gy pi to y gy, calc tr Other : fos		004-1L 004-3L 004-2L 004-4L
1753.00				005
		70 Sh/Clst: brn gy to brn blk, calc, slt, mic 15 Cont : bar 10 Ca : gy pi, m brn, pl y brn 5 Sh/Clst: gy pi to y gy, calc tr Other : fos		005-1L 005-4L 005-2L 005-3L 005-5L

Table 1 : Lithology description for well NOCS 7/8-2

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%	%	Lithology description
1829.00			006
	2.34	90	Sh/Clst: brn gy to brn blk, calc, slt, mic 10 Ca : or gy to pl y brn tr Cont : prp, bar tr Other : fos
			006-1L 006-2L 006-3L 006-4L
1996.00			007
	2.38	75	Sh/Clst: brn gy to brn blk, calc, slt, mic 20 Ca : gy pi to lt brn gy 5 Ca : dsk brn, dol tr Other : fos
			007-1L 007-2L 007-3L 007-4L
2027.00			008
	3.94	60	Sh/Clst: brn gy to brn blk, calc, slt, mic 25 Ca : gy pi, lt brn gy, pl y brn 10 Other : fos 5 Ca : m brn, dsk brn, dol
			008-1L 008-2L 008-4L 008-3L
2057.00			009
	1.80	70	Sh/Clst: brn gy to brn blk, calc, slt, mic 25 Ca : gy pi, lt brn gy, pl y brn 5 Ca : m brn to dsk brn, dol tr Other : fos
			009-1L 009-2L 009-3L 009-4L
2124.00			010
	3.81	60	Sh/Clst: brn gy to brn blk, ol gy, calc, slt, mic 35 Sh/Clst: gn gy 5 Ca : gy pi tr Ca : dsk brn, dol tr Other : fos
			010-1L 010-2L 010-3L 010-4L 010-5L

Table 1 : Lithology description for well NOCS 7/8-2

Depth unit of measure: m

Depth	Type	Trb	Sample	
Int Cvd	TOC%	%	Lithology description	
2210.00			011	
	4.15	40	Sh/Clst: gn gy 30 Sh/Clst: brn gy to brn blk, m drk gy, mic 25 Cont : dd, bar 5 Sh/Clst: m y brn to pl y brn, calc, pyr tr Ca : gy pi	011-2L 011-1L 011-4L 011-3L 011-5L
2286.00			012	
		80	Cont : bar	012-1L
		10	Sh/Clst: brn gy, m gy to m drk gy, mic	012-2L
		5	Sh/Clst: y gy to pl y brn	012-3L
		5	Sh/Clst: gn gy	012-4L
2365.00			013	
	1.02	50	Sh/Clst: gn gy, ol gy, m drk gy, mic	013-3L
		25	Ca : w, chk	013-1L
		25	Sh/Clst: gy red	013-2L
			tr Chert	013-4L
			tr Ca : dsk brn, dol	013-5L
2438.00			014	
	1.37	60	Ca : w to gy pi, st, chk	014-1L
		35	Sh/Clst: gn gy, ol gy, m gy	014-2L
		5	Sh/Clst: dsk red	014-3L
2508.00			015	
		55	Sh/Clst: gn gy, ol gy, m gy	015-2L
		35	Ca : w to gy pi, st, chk	015-1L
		10	Sh/Clst: dsk red	015-3L

Table 1 : Lithology description for well NOCS 7/8-2 .

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%	%	Lithology description
2591.00			016
	0.14	65 Ca	: w to gy pi, st, chk
		20 Sh/Clst:	gn gy, ol gy, m gy
		15 Sh/Clst:	dsk red
		tr Chert	
			016-1L
			016-2L
			016-3L
			016-4L
2636.00			017
	1.69	60 Sh/Clst:	gn gy, ol gy, lt brn gy, m drk gy, mic
		30 Ca	: w to gy pi, st, chk
		10 Sh/Clst:	dsk red
			017-2L
			017-1L
			017-3L
2652.00			018
	1.24	45 Sh/Clst:	gn gy, ol gy, lt brn gy, m drk gy, mic
		40 Ca	: w to gy pi, st, chk
		15 Sh/Clst:	dsk red
		tr Sh/Clst:	brn gy to lt brn gy, pl y brn, calc
			018-2L
			018-1L
			018-3L
			018-4L
2667.00			019
		45 Ca	: w to gy pi, st, chk
		45 Sh/Clst:	brn gy to ol gy, m gy to m drk gy, slt, mic
		10 Sh/Clst:	dsk red
		tr Cont	: prp
			019-1L
			019-2L
			019-3L
			019-4L
2685.00			020
	1.54	50 Sh/Clst:	brn gy to ol gy, lt gy to m drk gy, pyr, slt, mic
		35 Ca	: w to gy pi, st, chk
		15 Sh/Clst:	dsk red
			020-2L
			020-1L
			020-3L

Table 1 : Lithology description for well NOCS 7/8-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	%		

Lithology description				

2700.00				021
	2.09	40 Ca	: w to gy pi, st, chk	021-1L
		40 Sh/Clst:	brn gy to ol gy, lt gy to m drk	021-2L
			gy, pyr, slt, mic	
	0.43	20 Sh/Clst:	dsk red	021-3L
2704.00				022
	1.26	50 Sh/Clst:	brn gy to ol gy, lt gy to m drk	022-2L
			gy, pyr, slt, mic	
		30 Ca	: w to gy pi, st, chk	022-1L
		20 Sh/Clst:	dsk red	022-3L
2707.00				023
	1.17	55 Sh/Clst:	brn gy to ol gy, lt gy to m drk	023-2L
			gy, slt, mic	
		25 Ca	: w to gy pi, st, chk	023-1L
		20 Sh/Clst:	dsk brn	023-3L
2710.00				024
	0.17	65 Ca	: w to gy pi, st, chk	024-1L
		25 Sh/Clst:	brn gy to ol gy, lt gy to m drk	024-2L
			gy, slt, mic	
		10 Sh/Clst:	dsk brn	024-3L
		tr Cont	: prp, dd	024-4L
2713.00				025
	1.16	65 Ca	: w to gy pi, st, chk	025-1L
		25 Sh/Clst:	brn gy to ol gy, lt gy to m drk	025-2L
			gy, slt, mic	
		10 Sh/Clst:	dsk brn	025-3L
		tr Cont	: prp, dd	025-4L

Table 1 : Lithology description for well NOCS 7/8-2

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%	%	Lithology description
2716.00			026
		65 Ca	: w.to gy pi, st, chk 026-1L
		25 Sh/Clst:	brn gy to ol gy, lt gy to m drk gy, slt, mic 026-2L
		10 Sh/Clst:	dsk brn 026-3L
		tr Cont	: prp, dd 026-4L
2719.00			027
		50 Ca	: w to gy pi, st, chk 027-1L
1.28		30 Sh/Clst:	brn gy to ol gy, lt gy to m drk gy, slt, mic 027-2L
		20 Sh/Clst:	dsk brn 027-3L
		tr Cont	: prp, dd 027-4L
2722.00			028
		40 Ca	: w to gy pi, st, chk 028-1L
1.21		40 Sh/Clst:	brn gy to ol gy, lt gy to m drk gy, slt, mic 028-2L
		20 Sh/Clst:	dsk brn 028-3L
		tr Cont	: cem, prp, dd 028-4L
2725.00			029
		40 Ca	: w to gy pi, st, chk 029-1L
		40 Sh/Clst:	brn gy to ol gy, lt gy to m drk gy, slt, mic 029-2L
		20 Sh/Clst:	dsk brn 029-3L
		tr Cont	: cem, prp, dd 029-4L
2728.00			030
		40 Ca	: w to gy pi, st, chk 030-1L
1.01		40 Sh/Clst:	brn gy to ol gy, lt gy to m drk gy, slt, mic 030-2L
		20 Sh/Clst:	dsk brn 030-3L
		tr Cont	: cem, prp, dd 030-4L

Table 1 : Lithology description for well NOCS 7/8-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2731.00				031
	0.84	70 Sh/Clst: brn gy to ol gy, lt gy to m drk gy, slt, mic		031-2L
		20 Sh/Clst: dsk brn		031-3L
		10 Ca : w to gy pi, st, chk		031-1L
2737.00				032
	0.15	60 Ca : w to gy pi, st, chk		032-1L
		20 Sh/Clst: brn gy to ol gy, lt gy to m drk gy, slt, mic		032-2L
		20 Sh/Clst: dsk brn		032-3L
		tr Cont : prp, dd		032-4L
2746.00				033
	1.10	70 Sh/Clst: lt ol gy, m gy to m drk gy, calc, slt, mic		033-2L
		20 Sh/Clst: dsk y to dsk red		033-3L
		10 Ca : w to gy pi, st, chk		033-1L
2752.00				034
	1.17	50 Sh/Clst: lt ol gy, m gy to m drk gy, calc, slt, mic		034-2L
		40 Ca : w to gy pi, st, chk		034-1L
		10 Sh/Clst: dsk y to dsk red		034-3L
		tr Cont : prp, dd, bar		034-4L
2758.00				035
	0.80	85 Sh/Clst: ol gy to lt ol gy, m gy to m drk gy, calc, slt, mic		035-2L
		10 Sh/Clst: dsk y to dsk red		035-3L
		5 Ca : w to gy pi, st, chk		035-1L

Table 1 : Lithology description for well NOCS 7/8-2

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%	%	Lithology description
2761.00			036
	0.89	60	Sh/Clst: ol gy to lt ol gy, m gy to m drk gy, calc, slt, mic
		20	Ca : w to gy pi, st, chk
		20	Sh/Clst: dsk y to dsk red
			036-2L
			036-1L
			036-3L
2771.00			037
	0.91	75	Sh/Clst: brn gy to ol gy, m drk gy, calc, slt, mic, wx
		10	Ca : w to gy pi, st, chk
		10	Cont : Coal-ad, tar-ad
		5	Sh/Clst: dsk red
			037-2L
			037-1L
			037-4L
			037-3L
2774.00			038
		45	Sh/Clst: brn gy, ol gy, m drk gy, calc, slt, mic, st, wx
		40	Cont : Coal-ad, tar-ad
		10	Ca : w to gy pi, st, chk
		5	Sh/Clst: dsk red
			038-2L
			038-4L
			038-1L
			038-3L
2804.00			043
	0.64	90	Sh/Clst: brn gy, ol gy, m drk gy, calc, slt, mic, st, wx
		5	Ca : w to gy pi, st, chk
		5	Cont : Coal-ad, dd
		tr	Sh/Clst: dsk red, calc
			043-2L
			043-1L
			043-4L
			043-3L
2807.00			044
	1.05	65	Sh/Clst: brn gy, ol gy, m drk gy, calc, slt, mic, st, wx
	0.43	30	Sh/Clst: m brn to dsk red, calc
		5	Ca : w to gy pi, st, chk
		tr	Cont : Coal-ad, dd
			044-2L
			044-3L
			044-1L
			044-4L

Table 1 : Lithology description for well NOCS 7/8-2

Depth unit of measure: m

Depth	Type		Trb	Sample	
Int	Cvd	TOC%	%	Lithology description	
2822.00					047
		0.89	60	Sh/Clst: brn gy, gn gy, ol gy, lt gy to m drk gy, calc, slt, mic	047-2L
	cvd		20	Ca : w to gy pi, st, chk	047-1L
	cvd		15	Sh/Clst: m brn to dsk red, calc	047-3L
			5	Cont : Coal-ad, prp, dd, bar	047-4L
			tr	S/Sst : l	047-5L
2871.00					053
			35	Sh/Clst: red blk, calc	053-3L
			30	S/Sst : w to m y brn, l	053-1L
			20	Sh/Clst: brn gy, gn gy, ol gy, m drk gy, calc, mic, wx	053-2L
			10	Ca : w to gy pi, chk	053-4L
			5	Cont : dd	053-5L
2883.00					054
		0.87	30	Sh/Clst: brn gy, gn gy, ol gy, m drk gy, calc, mic, wx	054-2L
			25	S/Sst : w to m y brn, l	054-1L
		0.49	25	Sh/Clst: red blk, calc	054-3L
			10	Ca : w to gy pi, chk	054-4L
			10	Cont : Coal-ad, dd	054-5L
2886.00					055
		0.13	35	S/Sst : w to m y brn, l	055-3L
	cvd		30	Sh/Clst: red blk, calc	055-4L
	cvd		20	Sh/Clst: brn gy to ol gy, lt gy, lt ol gy, m gy to drk gy, slt, mic	055-2L
	cvd		10	Ca : w to gy pi, chk	055-1L
			5	Cont : Coal-ad	055-5L

Table 1 : Lithology description for well NOCS 7/8-2

Depth unit of measure: m

Depth	Type	Trb	Sample
Int	cvd	TOC%	% Lithology description
2902.00			057
	cvd	65	Sh/Clst: gy, brn, gn, red, ol, v col 057-3L
	cvd	25	Sh/Clst: w to m y brn, l 057-2L
	cvd	5	Ca : w to gy pi, chk 057-1L
		5	Cont : Coal-ad 057-4L
2908.00			058
	cvd	65	Sh/Clst: gy, brn, gn, red, ol, v col 058-3L
		25	S/Sst : w to m y brn, l 058-2L
	cvd	5	Ca : w to gy pi, chk 058-1L
		5	Cont : Coal-ad 058-4L
2926.00			059
		90	S/Sst : gy pi, crs, l 059-2L
	cvd	10	Sh/Clst: brn gy, gn gy, ol gy, lt gy to m gy, calc 059-1L
		tr	Cont : Coal-ad 059-3L
2932.00			060
		0.10	80 S/Sst : gy pi, glauc, crs, cem, l 060-1L
		0.92	20 Sh/Clst: brn gy, gn gy, ol gy, lt gy to m gy, calc 060-2L
			tr Cont : Coal-ad 060-3L
2963.00			063
		0.54	80 Sh/Clst: gy, brn, red, ol, v col, calc 063-2L
		4.97	15 Sh/Clst: gy blk to m drk gy, slt, mic 063-3L
			5 Ca : w to pl y brn, dol 063-4L
			tr S/Sst : gy pi, glauc, crs, cem, l 063-1L

Table 1 : Lithology description for well NOCS 7/8-2

Depth unit of measure: m

Depth	Type		Trb	Sample		
Int	Cvd	TOC%	%	Lithology description		
2972.00						064
		1.01	65	Sh/Clst: gy, brn, gn, red, ol, v col, calc		064-2L
		3.41	20	Sh/Clst: gy blk to m drk gy, slt, mic		064-3L
			15	Ca : w to pl y brn, dol		064-1L
2981.00						065
		1.03	65	Sh/Clst: brn gy, ol gy, m gy to m drk gy, calc, mic		065-1L
	cvd		20	Ca : w to gy pi, chk		065-3L
			15	Sh/Clst: m brn to dsk red		065-2L
			tr	S/Sst : w, l		065-4L
2990.00						066
		0.47	60	Sh/Clst: gy, brn, gn, red, ol, v col		066-3L
			25	S/Sst : gy red to y gy, calc, mic, glauc, crs, cem		066-1L
		4.16	15	Sh/Clst: gy blk to m drk gy, slt, mic		066-2L
			tr	Ca : w, l		066-4L
2999.00						067
		0.71	80	Ca : brn blk, dol, hd		067-1L
			10	Sh/Clst: gy blk to m drk gy, slt, mic		067-2L
			10	Sh/Clst: gy, brn, gn, red, ol, v col		067-3L
			tr	Ca : lt gy, cly		067-4L
			tr	S/Sst : gy red to y gy		067-5L

Table 2 : Rock-Eval table for well NOCS 7/8-2

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1280.00	cut	Sh/Clst: brn gy	1.56	3.99	2.50	1.60	4.48	89	56	5.6	0.28	422	001-1L
1448.00	cut	Sh/Clst: brn gy to lt brn gy	3.09	7.26	2.99	2.43	7.45	97	40	10.4	0.30	420	002-1L
1509.00	cut	Sh/Clst: brn gy to brn blk	2.83	5.54	2.91	1.90	5.90	94	49	8.4	0.34	426	003-1L
1600.00	cut	Sh/Clst: brn gy to brn blk	2.73	5.54	2.81	1.97	5.89	94	48	8.3	0.33	425	004-1L
1829.00	cut	Sh/Clst: brn gy to brn blk	1.82	2.14	1.43	1.50	2.34	91	61	4.0	0.46	424	006-1L
1996.00	cut	Sh/Clst: brn gy to brn blk	1.44	2.64	1.66	1.59	2.38	111	70	4.1	0.35	430	007-1L
2027.00	cut	Sh/Clst: brn gy to brn blk	2.58	4.50	1.47	3.06	3.94	114	37	7.1	0.36	426	008-1L
2057.00	cut	Sh/Clst: brn gy to brn blk	1.59	2.04	1.43	1.43	1.80	113	79	3.6	0.44	426	009-1L
2124.00	cut	Sh/Clst: brn gy to brn blk, ol gy	3.15	4.12	2.04	2.02	3.81	108	54	7.3	0.43	426	010-1L
2210.00	cut	Sh/Clst: brn gy to brn blk, m drk gy	2.74	4.10	1.89	2.17	4.15	99	46	6.8	0.40	426	011-1L
2365.00	cut	Sh/Clst: gn gy, ol gy, m drk gy	0.93	0.54	0.65	0.83	1.02	53	64	1.5	0.63	372	013-3L
2438.00	cut	Sh/Clst: gn gy, ol gy, m gy	2.19	0.81	0.56	1.45	1.37	59	41	3.0	0.73	336	014-2L
2591.00	cut	Ca : w to gy pi	0.10	0.03	0.39	0.08	0.14	21	279	0.1	0.77	429	016-1L
2636.00	cut	Sh/Clst: gn gy, ol gy, lt brn gy, m drk gy	3.26	1.38	0.75	1.84	1.69	82	44	4.6	0.70	424	017-2L

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2652.00	cut	Sh/Clst: gn gy, ol gy, lt brn gy, m drk gy	2.57	1.02	0.52	1.96	1.24	82	42	3.6	0.72	424	018-2L
2685.00	cut	Sh/Clst: brn gy to ol gy, lt gy to m drk gy	3.65	1.42	0.69	2.06	1.54	92	45	5.1	0.72	426	020-2L
2700.00	cut	Sh/Clst: brn gy to ol gy, lt gy to m drk gy	3.32	1.54	0.60	2.57	2.09	74	29	4.9	0.68	424	021-2L
2700.00	cut	Sh/Clst: dsk red	1.49	0.19	0.39	0.49	0.43	44	91	1.7	0.89	326	021-3L
2704.00	cut	Sh/Clst: brn gy to ol gy, lt gy to m drk gy	2.09	1.14	0.70	1.63	1.26	90	56	3.2	0.65	426	022-2L
2707.00	cut	Sh/Clst: brn gy to ol gy, lt gy to m drk gy	1.86	0.71	0.43	1.65	1.17	61	37	2.6	0.72	376	023-2L
2710.00	cut	Ca : w to gy pi	0.36	0.06	0.33	0.18	0.17	35	194	0.4	0.86	397	024-1L
2713.00	cut	Sh/Clst: brn gy to ol gy, lt gy to m drk gy	2.07	1.24	0.37	3.35	1.16	107	32	3.3	0.63	381	025-2L
2719.00	cut	Sh/Clst: brn gy to ol gy, lt gy to m drk gy	1.86	1.17	0.36	3.25	1.28	91	28	3.0	0.61	424	027-2L
2722.00	cut	Sh/Clst: brn gy to ol gy, lt gy to m drk gy	1.76	0.78	0.36	2.17	1.21	64	30	2.5	0.69	387	028-2L
2728.00	cut	Sh/Clst: brn gy to ol gy, lt gy to m drk gy	1.96	0.73	0.39	1.87	1.01	72	39	2.7	0.73	356	030-2L

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2731.00	cut	Sh/Clst: brn gy to ol gy, lt gy to m drk gy	1.90	0.41	0.51	0.80	0.84	49	61	2.3	0.82	344	031-2L
2737.00	cut	Ca : w to gy pi	0.19	0.03	0.32	0.09	0.15	20	213	0.2	0.86	375	032-1L
2746.00	cut	Sh/Clst: lt ol gy, m gy to m drk gy	2.12	0.54	0.70	0.77	1.10	49	64	2.7	0.80	422	033-2L
2752.00	cut	Sh/Clst: lt ol gy, m gy to m drk gy	2.07	0.78	0.40	1.95	1.17	67	34	2.8	0.73	336	034-2L
2758.00	cut	Sh/Clst: ol gy to lt ol gy, m gy to m drk gy	2.11	0.33	0.44	0.75	0.80	41	55	2.4	0.86	344	035-2L
2761.00	cut	Sh/Clst: ol gy to lt ol gy, m gy to m drk gy	1.96	0.53	0.52	1.02	0.89	60	58	2.5	0.79	342	036-2L
2771.00	cut	Sh/Clst: brn gy to ol gy, m drk gy	2.19	0.37	0.35	1.06	0.91	41	38	2.6	0.86	335	037-2L
2804.00	cut	Sh/Clst: brn gy, ol gy, m drk gy	1.55	0.35	0.40	0.88	0.64	55	63	1.9	0.82	352	043-2L
2807.00	cut	Sh/Clst: brn gy, ol gy, m drk gy	1.51	0.72	0.40	1.80	1.05	69	38	2.2	0.68	398	044-2L
2807.00	cut	Sh/Clst: m brn to dsk red	1.32	0.16	0.33	0.48	0.43	37	77	1.5	0.89	353	044-3L
2822.00	cut	Sh/Clst: brn gy, gn gy, ol gy, lt gy to m drk gy	1.08	0.54	0.54	1.00	0.89	61	61	1.6	0.67	380	047-2L
2883.00	cut	Sh/Clst: brn gy, gn gy, ol gy, m drk gy	2.09	0.60	0.36	1.67	0.87	69	41	2.7	0.78	363	054-2L

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2883.00	cut	Sh/Clst: red blk	1.82	0.29	0.44	0.66	0.49	59	90	2.1	0.86	356	054-3L
2886.00	cut	S/Sst : w to m y brn	0.12	0.05	0.57	0.09	0.13	38	438	0.2	0.71	358	055-3L
2932.00	cut	S/Sst : gy pi	0.39	0.09	0.01	9.00	0.10	90	10	0.5	0.81	355	060-1L
2932.00	cut	Sh/Clst: brn gy, gn gy, ol gy, lt gy to m gy	1.44	0.46	0.69	0.67	0.92	50	75	1.9	0.76	344	060-2L
2963.00	cut	Sh/Clst: gy, brn, red, ol, v col	0.74	0.23	0.50	0.46	0.54	43	93	1.0	0.76	325	063-2L
2963.00	cut	Sh/Clst: gy blk to m drk gy	2.97	18.60	0.52	35.77	4.97	374	10	21.6	0.14	436	063-3L
2972.00	cut	Sh/Clst: gy, brn, gn, red, ol, v col	0.90	0.62	0.72	0.86	1.01	61	71	1.5	0.59	428	064-2L
2972.00	cut	Sh/Clst: gy blk to m drk gy	2.04	9.94	0.55	18.07	3.41	291	16	12.0	0.17	436	064-3L
2981.00	cut	Sh/Clst: brn gy, ol gy, m gy to m drk gy	0.92	0.52	0.61	0.85	1.03	50	59	1.4	0.64	385	065-1L
2990.00	cut	Sh/Clst: gy blk to m drk gy	2.40	13.97	0.53	26.36	4.16	336	13	16.4	0.15	433	066-2L
2990.00	cut	Sh/Clst: gy, brn, gn, red, ol, v col	0.64	0.16	0.56	0.29	0.47	34	119	0.8	0.80	293	066-3L
2999.00	cut	Ca : brn blk	0.09	0.22	0.22	1.00	0.71	31	31	0.3	0.29	425	067-1L

Table 3 : Thermal Maturity Data for well NOCS 7/8-2

Depth unit of measure: m

Depth Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
1280.00 cut bulk	0.32	20	0.04	4	-	-	001-0B
1280.00 cut Sh/Clst: brn gy	-	-	-	-	NDP	422	001-1L
1448.00 cut bulk	0.34	21	0.03	3+4	-	-	002-0B
1448.00 cut Sh/Clst: brn gy to lt brn gy	-	-	-	-	3?	420	002-1L
1509.00 cut bulk	0.30	20	0.03	4	-	-	003-0B
1753.00 cut bulk	0.32	21	0.04	0	-	-	005-0B
1829.00 cut bulk	0.35	8	0.04	3+4	-	-	006-0B
1829.00 cut Sh/Clst: brn gy to brn blk	-	-	-	-	4?	424	006-1L
1996.00 cut bulk	0.41	21	0.04	4	-	-	007-0B
2057.00 cut bulk	0.34	7	0.05	5+6	-	-	009-0B
2057.00 cut Sh/Clst: brn gy to brn blk	-	-	-	-	4	426	009-1L
2124.00 cut bulk	0.41	21	0.06	4+5	-	-	010-0B
2210.00 cut bulk	0.41	20	0.07	4+5	-	-	011-0B
2210.00 cut Sh/Clst: brn gy to brn blk, m drk gy	-	-	-	-	NDP	426	011-1L

Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
2286.00	cut bulk	0.38	4	0.03	4	-	-	012-0B
2365.00	cut bulk	0.51	16	0.06	4	-	-	013-0B
2438.00	cut bulk	0.45	1	0.00	4	-	-	014-0B
2508.00	cut bulk	0.51	6	0.06	5	-	-	015-0B
2591.00	cut bulk	0.50	12	0.07	5	-	-	016-0B
2685.00	cut bulk	0.42	8	0.03	4+5	-	-	020-0B
2700.00	cut Sh/Clst: brn gy to ol gy, lt gy to m drk gy	-	-	-	-	4	424	021-2L
2761.00	cut bulk	0.47	2	0.01	4+5	-	-	036-0B
2804.00	cut bulk	0.53	5	0.06	0	-	-	043-0B
2822.00	cut bulk	0.45	3	0.04	5	-	-	047-0B
2871.00	cut bulk	0.43	8	0.04	4+5	-	-	053-0B
2926.00	cut bulk	0.40	2	0.03	5	-	-	059-0B
2932.00	cut bulk	0.51	11	0.05	6	-	-	060-0B
2963.00	cut Sh/Clst: gy blk to m drk gy	-	-	-	-	3.5 - 4 ?	436	063-3L

Table 3 : Thermal Maturity Data for well NOCS 7/8-2

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
2972.00	cut	Sh/Clst: gy blk to m drk gy	-	-	-	-	3.5 - 4 ?	436	064-3L
2990.00	cut	bulk	0.56	17	0.09	0	-	-	066-0B
2990.00	cut	Sh/Clst: gy blk to m drk gy	-	-	-	-	3.5 ?	433	066-2L
2999.00	cut	bulk	0.57	4	0.05	4+5	-	-	067-0B

Depth unit of measure: m

Depth	Typ	Lithology	L	A	L	S	C	D			I	S	I	M	S	V	C	V	A	Sample							
			I	m	i	p	u	R	A	i	A	B	N	F	e	n	i	c	B		I	T	C	V	A		
			P	r	D	P	i	s	g	o	r	t	R	u	s	F	D	r	e	t	R	l	i	e	D	r	t
			T	e	o	c	i	a	f	i	t	L	T	i	n	s	t	n	o	I	%	n	n	t	V	V	
			%	L	t	l	l	n	e	l	t	L	%	n	s	t	n	o	I	%	n	n	t	V	V		
1280.00	cut	Sh/Clst: brn gy	5?									5?								90?							001-1L
1448.00	cut	Sh/Clst: brn gy to lt brn gy	5?									5?								90?							002-1L
1829.00	cut	Sh/Clst: brn gy to brn blk	10?									5?								85?							006-1L
2057.00	cut	Sh/Clst: brn gy to brn blk	10?									5?								85?							009-1L
2210.00	cut	Sh/Clst: brn gy to brn blk, m drk gy	5	*								5	*	*						90			*	**			011-1L
2700.00	cut	Sh/Clst: brn gy to ol gy, lt gy to m drk gy	10	*	**	**						5		*						85			*	**			021-2L
2963.00	cut	Sh/Clst: gy blk to m drk gy	70		**	**	?		*	*		5		*						25			*	**			063-3L
2972.00	cut	Sh/Clst: gy blk to m drk gy	70		**	**	?		*	*		5		*						25			*	**			064-3L
2990.00	cut	Sh/Clst: gy blk to m drk gy	65		**	*			?	*		10	*	**						25			*				066-2L

Table 5 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 7/8-2

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
2057.00	cut	Sh/Clst: brn gy to brn blk	5.30	25.20	44.97	24.54	2.04	009-1L
2210.00	cut	Sh/Clst: brn gy to brn blk, m drk gy	6.05	19.65	42.56	31.74	4.10	011-1L
2438.00	cut	Sh/Clst: gn gy, ol gy, m gy	3.58	23.08	41.44	31.90	0.81	014-2L
2636.00	cut	Sh/Clst: gn gy, ol gy, lt brn gy, m drk gy	4.93	22.13	45.06	27.88	1.38	017-2L
2700.00	cut	Sh/Clst: brn gy to ol gy, lt gy to m drk gy	4.48	19.40	41.12	34.99	1.54	021-2L
2700.00	cut	Sh/Clst: dsk red	1.06	22.68	31.26	45.00	0.19	021-3L
2710.00	cut	Ca : w to gy pi	7.34	35.29	45.23	12.14	0.06	024-1L
2722.00	cut	Sh/Clst: brn gy to ol gy, lt gy to m drk gy	4.27	25.32	45.76	24.65	0.78	028-2L
2737.00	cut	Ca : w to gy pi	10.56	30.78	48.33	10.33	0.03	032-1L
2746.00	cut	Sh/Clst: lt ol gy, m gy to m drk gy	3.92	22.22	40.27	33.59	0.54	033-2L
2758.00	cut	Sh/Clst: ol gy to lt ol gy, m gy to m drk gy	2.85	21.20	40.34	35.61	0.33	035-2L
2771.00	cut	Sh/Clst: brn gy to ol gy, m drk gy	4.32	23.72	42.08	29.88	0.37	037-2L

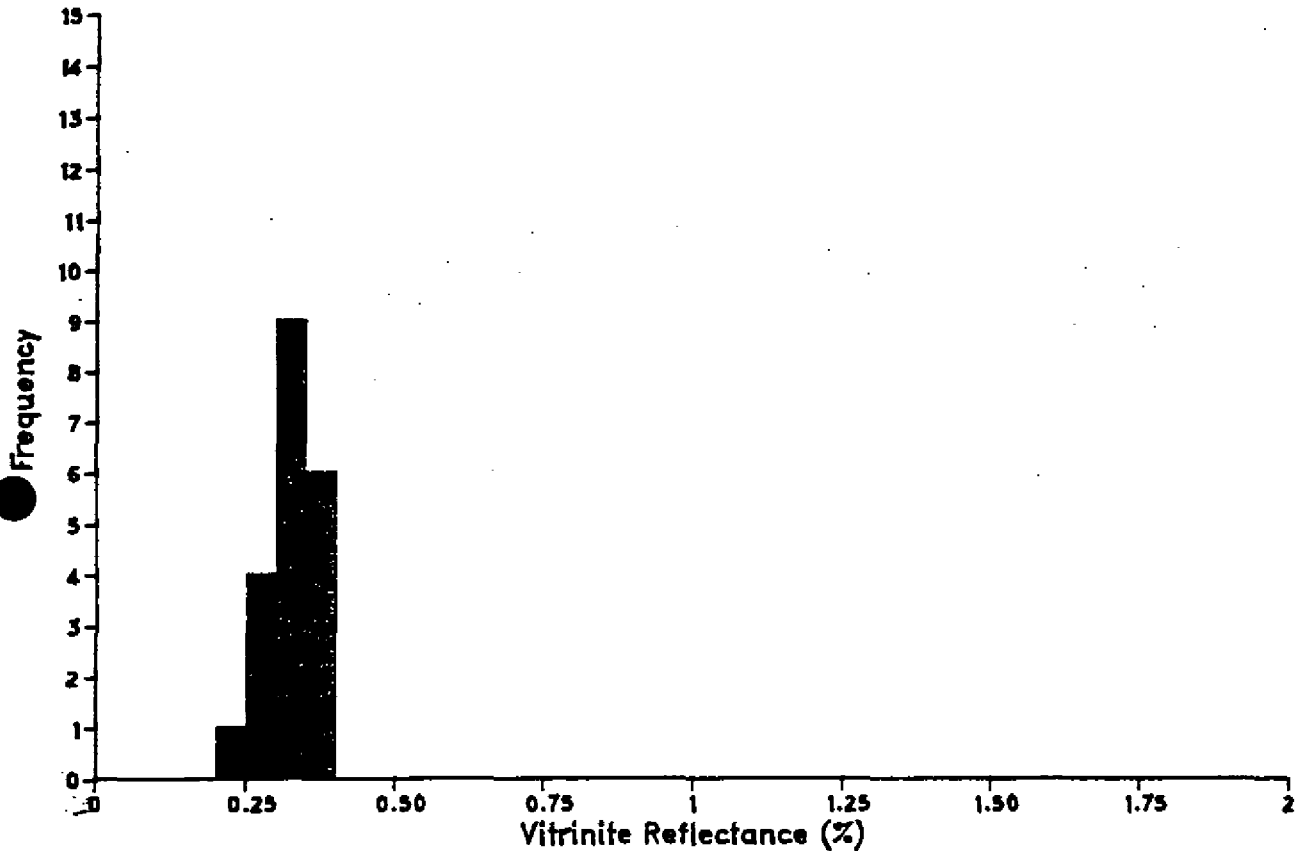
Table 3: Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 7/8-2

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
2804.00	cut	Sh/Clst: brn gy, ol gy, m drk gy	3.39	22.98	40.06	33.57	0.35	043-2L
2807.00	cut	Sh/Clst: brn gy, ol gy, m drk gy	5.62	29.00	47.69	17.69	0.72	044-2L
2822.00	cut	Sh/Clst: brn gy, gn gy, ol gy, lt gy to m drk gy	4.39	24.92	46.19	24.50	0.54	047-2L
2883.00	cut	Sh/Clst: brn gy, gn gy, ol gy, m drk gy	4.98	25.22	46.14	23.66	0.60	054-2L
2932.00	cut	S/Sst : gy pi	2.88	19.00	40.36	37.76	0.09	060-1L
2932.00	cut	Sh/Clst: brn gy, gn gy, ol gy, lt gy to m gy	5.19	24.41	43.63	26.77	0.46	060-2L
2963.00	cut	Sh/Clst: gy blk to m drk gy	3.02	12.26	36.55	48.18	18.60	063-3L
2972.00	cut	Sh/Clst: gy blk to m drk gy	2.76	13.91	35.44	47.89	9.94	064-3L
2981.00	cut	Sh/Clst: brn gy, ol gy, m gy to m drk gy	3.97	32.48	47.87	15.67	0.52	065-1L
2990.00	cut	Sh/Clst: gy blk to m drk gy	2.70	12.40	35.33	49.57	13.97	066-2L
2990.00	cut	Sh/Clst: gy, brn, gn, red, ol, v col	4.81	24.74	40.65	29.79	0.16	066-3L

Vitrinite Reflectance Histogram

Well: NOCS 7/8-2
Depth: 1280.00(m)
Sample: 1-0b

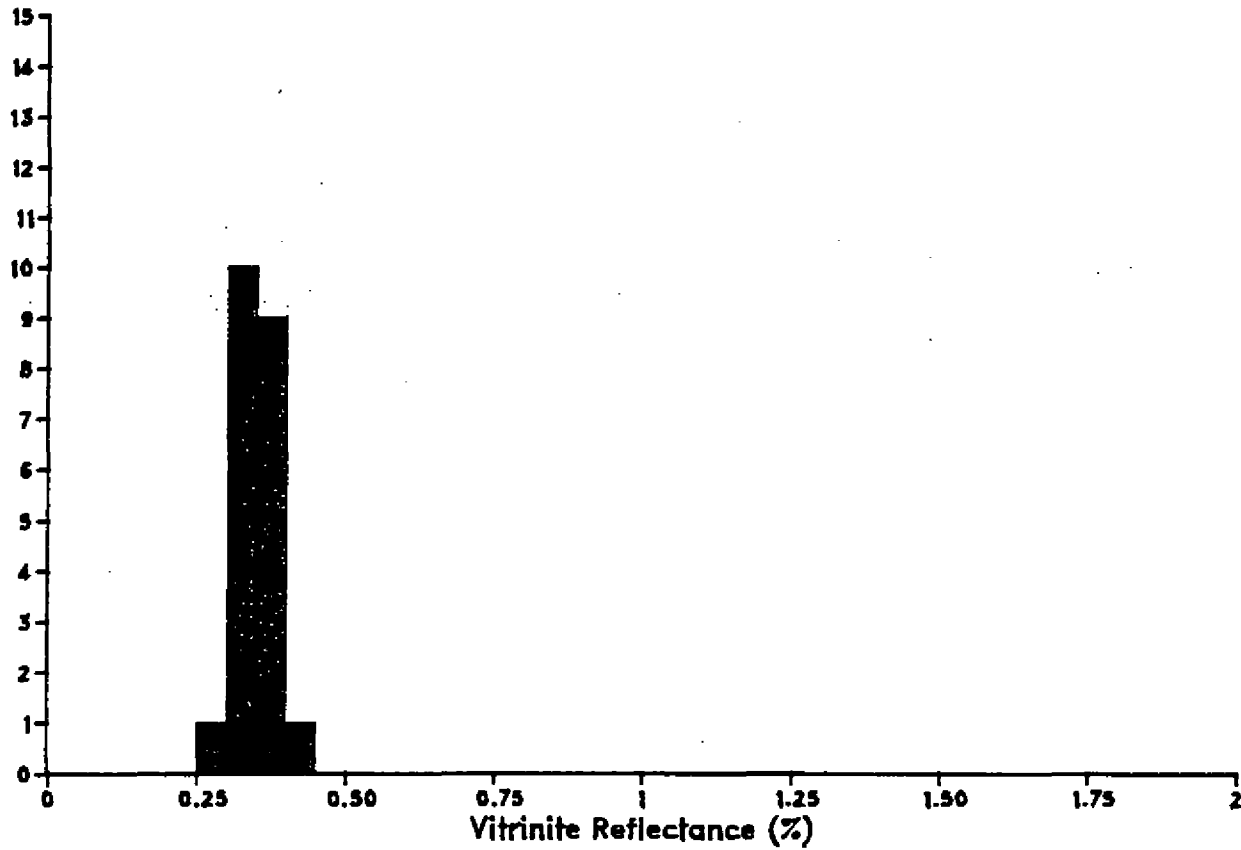


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.200 to 0.400):	0.32	0.04	20

Readings:									
0.230	0.280	0.290	0.290	0.290	0.300	0.300	0.300	0.310	0.310
0.310	0.310	0.320	0.320	0.350	0.350	0.350	0.350	0.380	0.380

Vitrinite Reflectance Histogram

Well: NOCS 7/8-2
 Depth: 1448.00(m)
 Sample: 2-0b



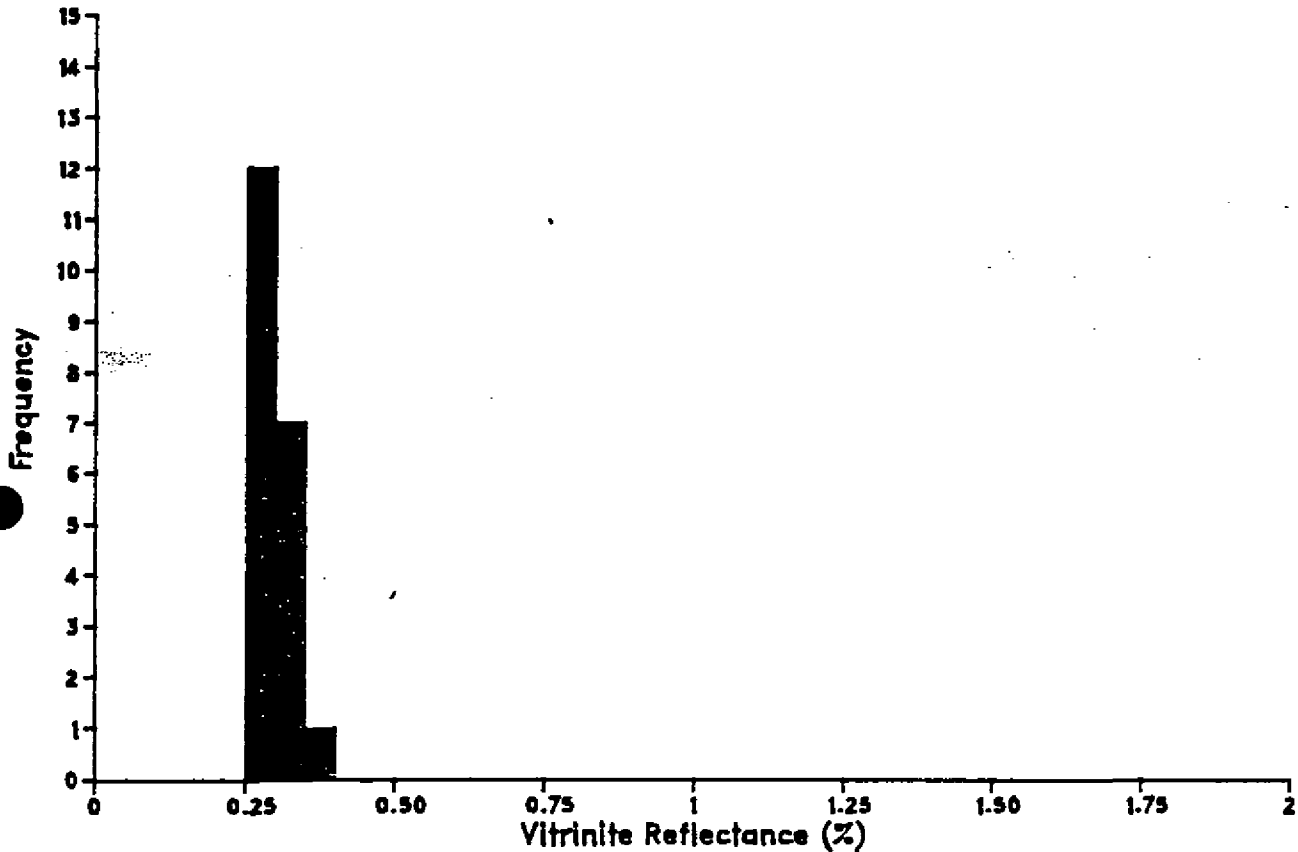
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.250 to 0.450):	0.34	0.03	21

Readings:

0.290 0.300 0.300 0.310 0.310 0.320 0.320 0.320 0.330 0.340
 0.340 0.350 0.350 0.360 0.360 0.360 0.370 0.370 0.370 0.380
 0.420

Vitrinite Reflectance Histogram

Well: NOCS 7/8-2
Depth: 1509.00(m)
Sample: 3-0b

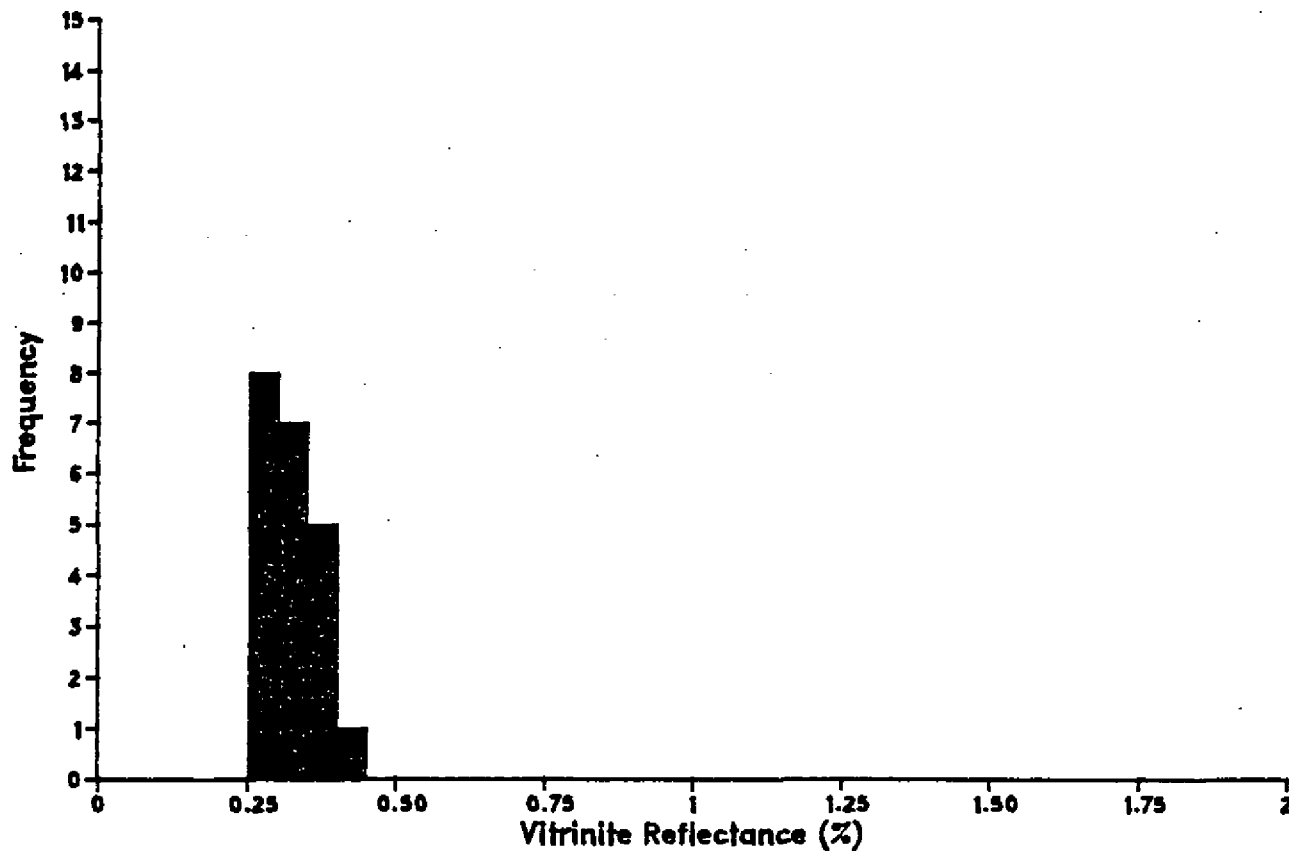


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.250 to 0.400):	0.30	0.03	20

Readings:									
0.260	0.270	0.270	0.280	0.280	0.280	0.280	0.280	0.290	0.290
0.290	0.290	0.310	0.320	0.320	0.320	0.330	0.340	0.340	0.360

Vitrinite Reflectance Histogram

Well: NOCS 7/8-2
Depth: 1753.00(m)
Sample: 5- 0b

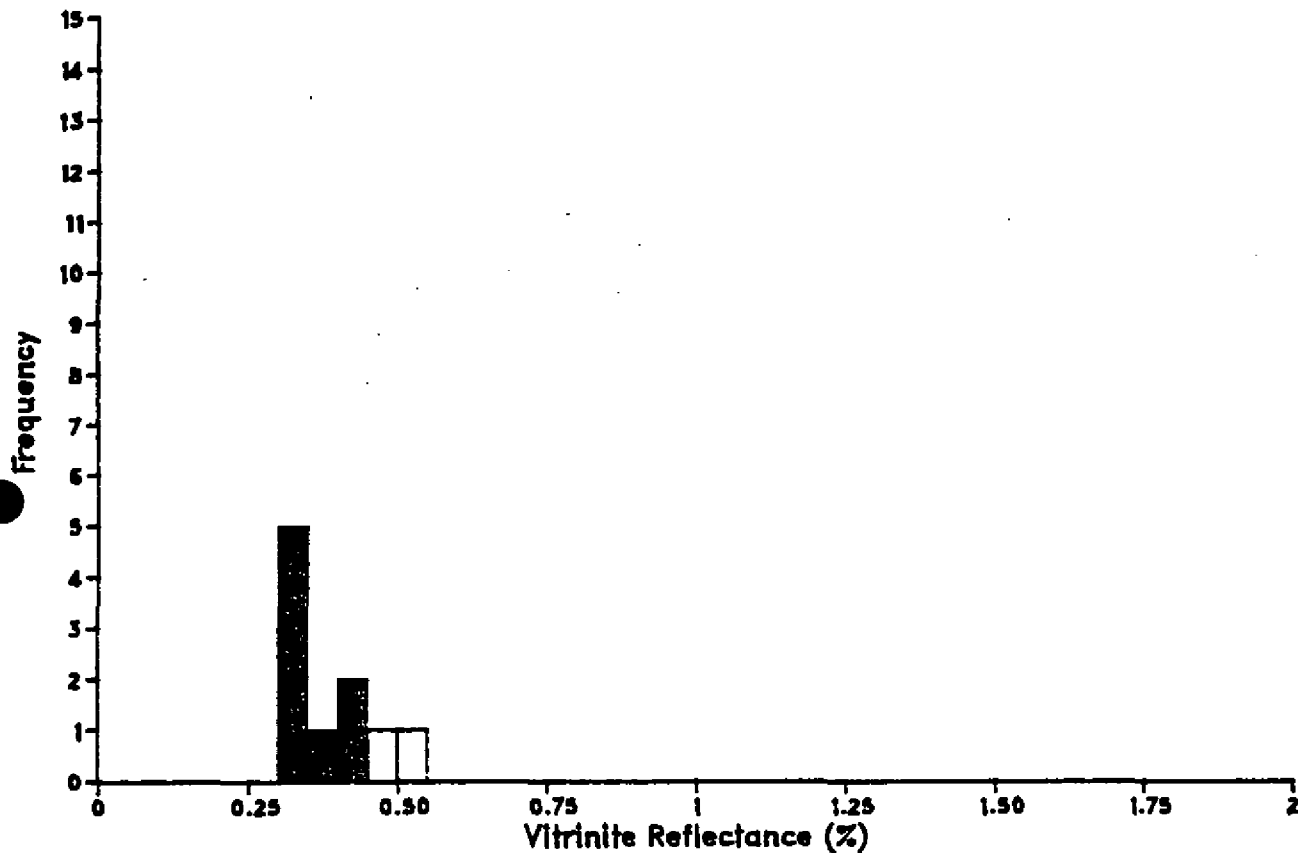


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.250 to 0.450):	0.32	0.04	21

Readings:									
0.260	0.260	0.260	0.270	0.270	0.270	0.280	0.280	0.300	0.320
0.330	0.340	0.340	0.340	0.340	0.350	0.350	0.350	0.350	0.390
0.410									

Vitrinite Reflectance Histogram

Well: NOCS 7/8-2
Depth: 1829.00(m)
Sample: 6-0b

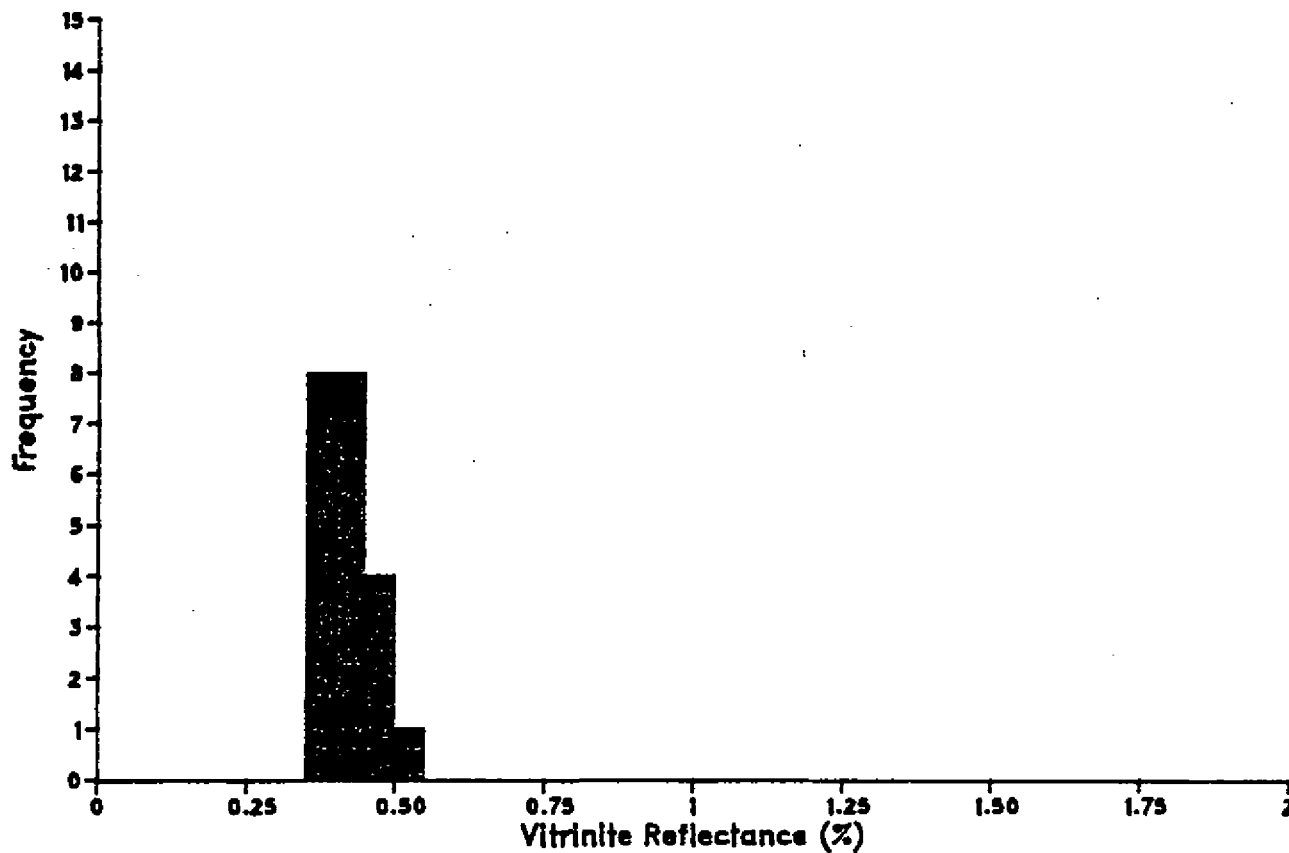


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.300 to 0.450):	0.35	0.04	8
Population Two (from 0.450 to 0.550):	0.50	0.01	2

Readings:
0.300 0.310 0.330 0.340 0.340 0.350 0.400 0.410 0.490 0.510

Vitrinite Reflectance Histogram

Well: NOCS 7/8-2
Depth: 1996.00(m)
Sample: 7- 0b

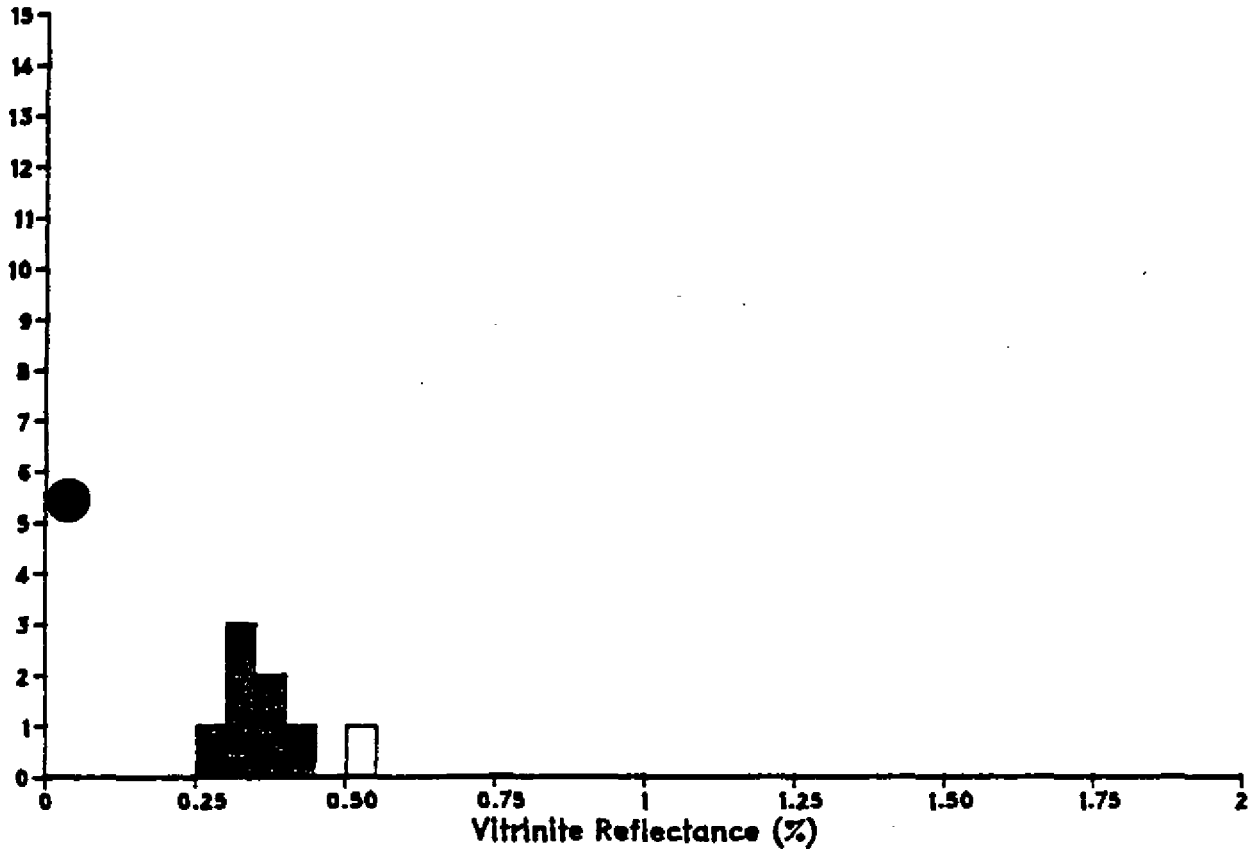


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.350 to 0.550):	0.41	0.04	21

Readings:									
0.350	0.360	0.360	0.360	0.370	0.370	0.390	0.390	0.400	0.400
0.400	0.410	0.420	0.420	0.420	0.430	0.450	0.450	0.460	0.480
0.510									

Vitrinite Reflectance Histogram

Well: NOCS 7/8-2
Depth: 2057.00(m)
Sample: 9-0b

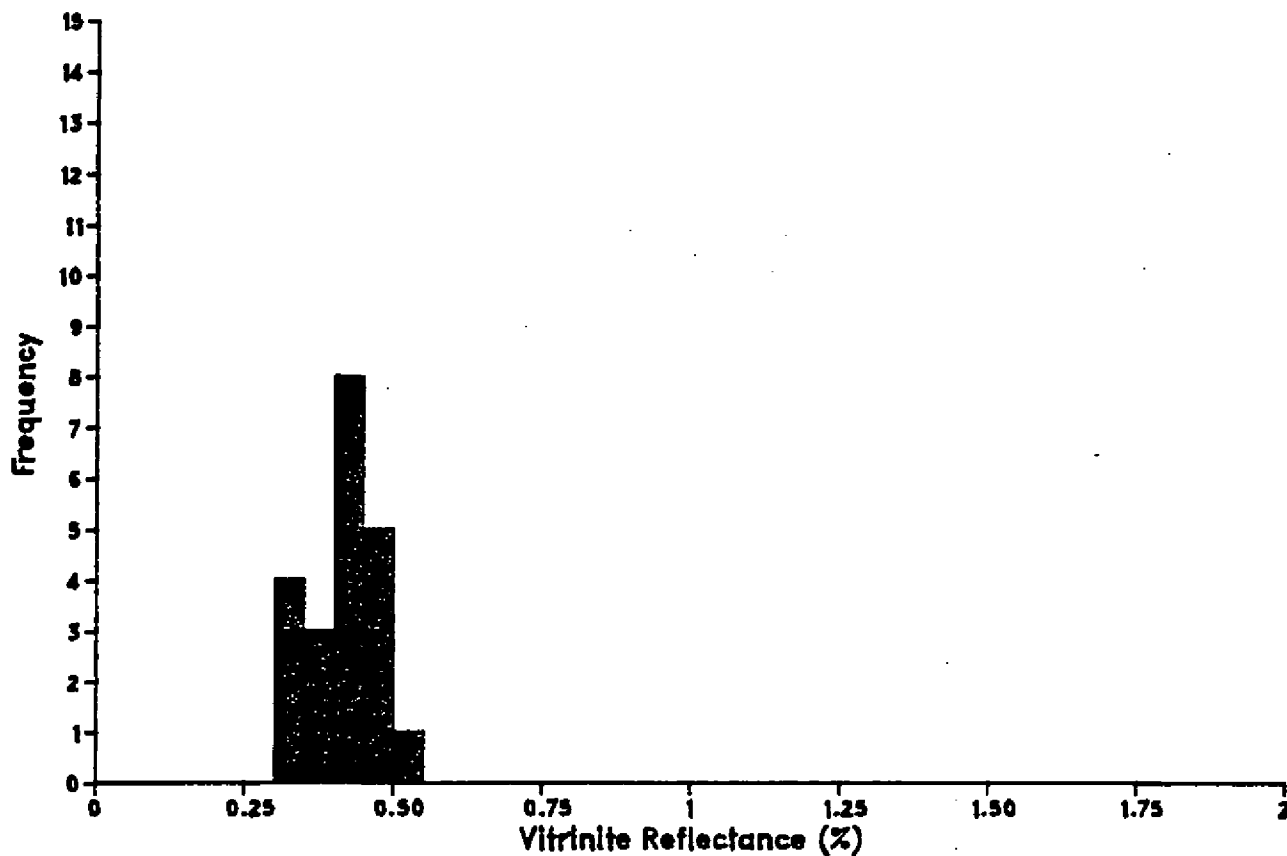


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.250 to 0.450):	0.34	0.05	7
Population Two (from 0.500 to 0.550):	0.50	0.00	1

Readings:
0.290 0.300 0.300 0.310 0.360 0.380 0.420 0.500

Vitrinite Reflectance Histogram

Well: NOCS 7/8-2
Depth: 2124.00(m)
Sample: 10-0b

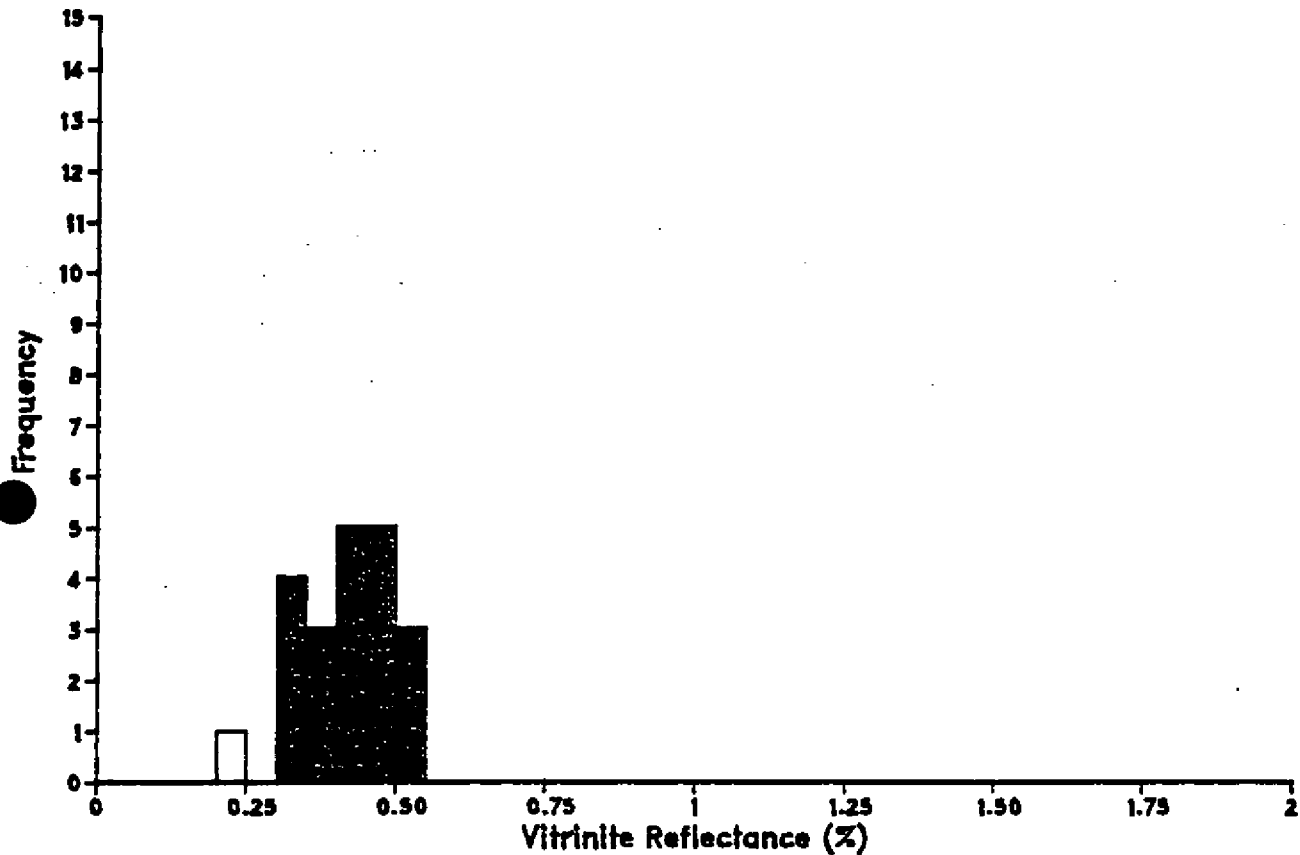


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.300 to 0.550):	0.41	0.06	21

Readings:									
0.300	0.310	0.320	0.340	0.370	0.370	0.380	0.410	0.410	0.420
0.420	0.430	0.430	0.440	0.440	0.450	0.450	0.460	0.470	0.480
0.500									

Vitrinite Reflectance Histogram

Well: NOCS 7/8-2
Depth: 2210.00(m)
Sample: 11- 0b

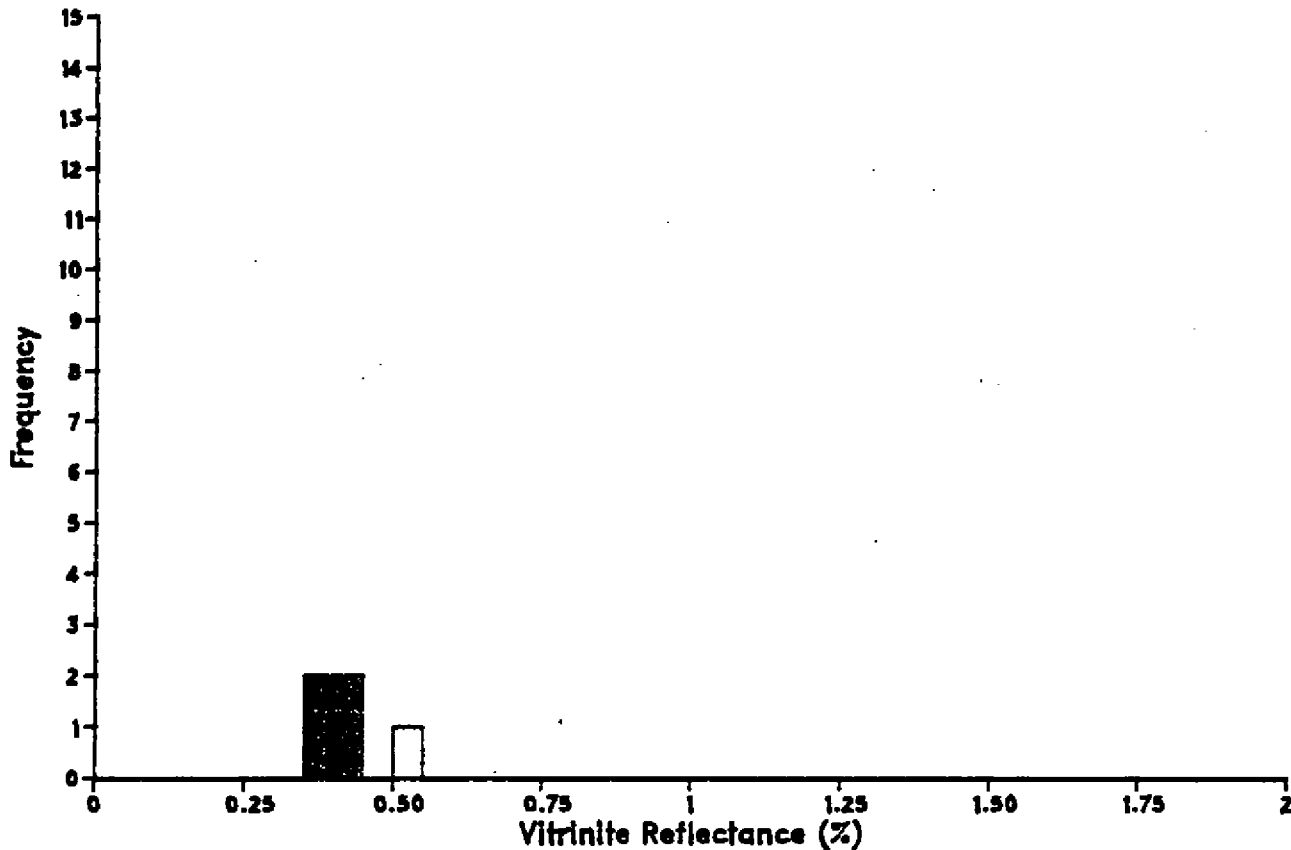


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.300 to 0.550):	0.41	0.07	20
Population Two (from 0.200 to 0.250):	0.23	0.00	1

Readings:									
0.230	0.300	0.310	0.310	0.320	0.350	0.380	0.390	0.400	0.420
0.420	0.420	0.430	0.450	0.450	0.460	0.460	0.470	0.500	0.510
0.520									

Vitrinite Reflectance Histogram

Well: NOCS 7/8-2
Depth: 2286.00(m)
Sample: 12- 0b

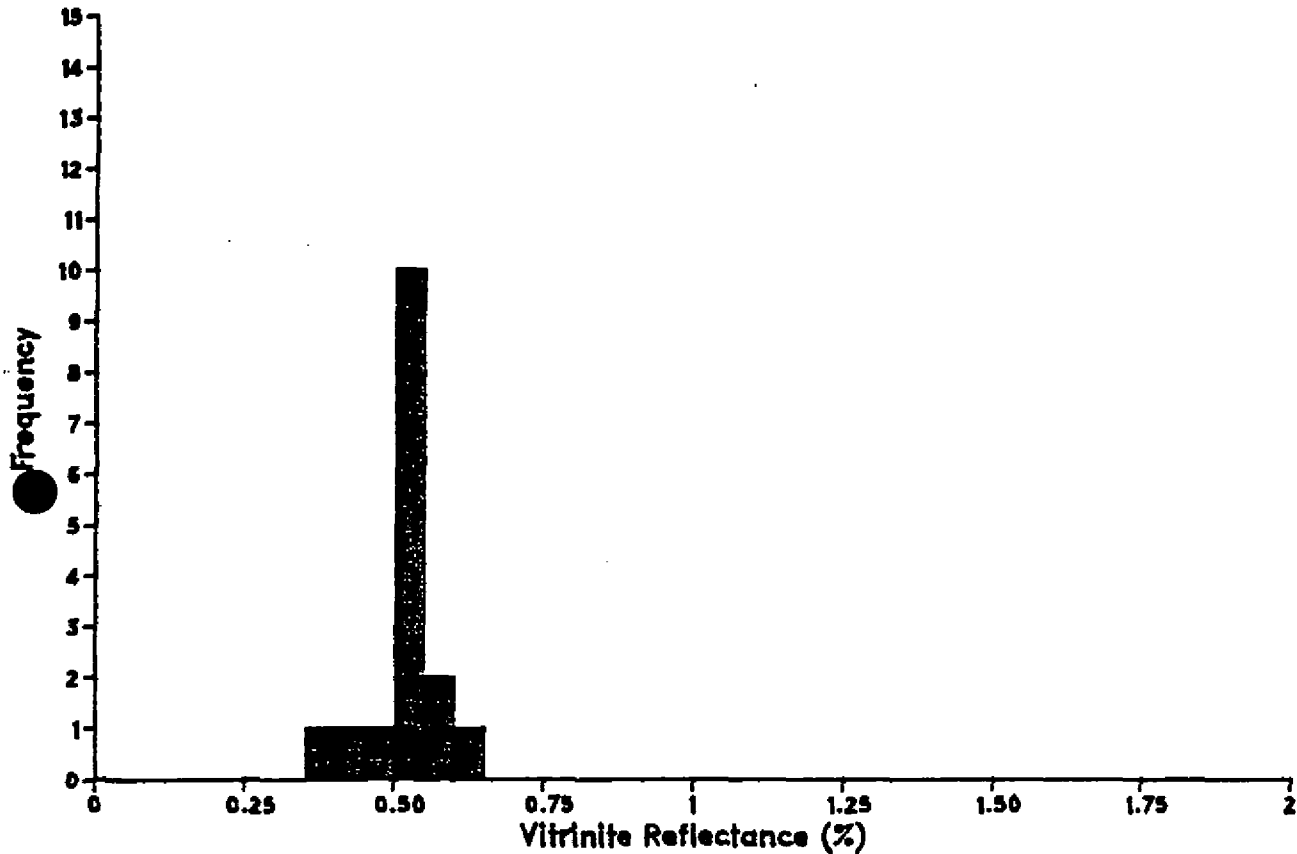


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.350 to 0.450):	0.38	0.03	4
Population Two (from 0.500 to 0.550):	0.50	0.00	1

Readings:
0.350 0.370 0.400 0.410 0.500

Vitrinite Reflectance Histogram

Well: NOCS 7/8-2
Depth: 2365.00(m)
Sample: 13-0b

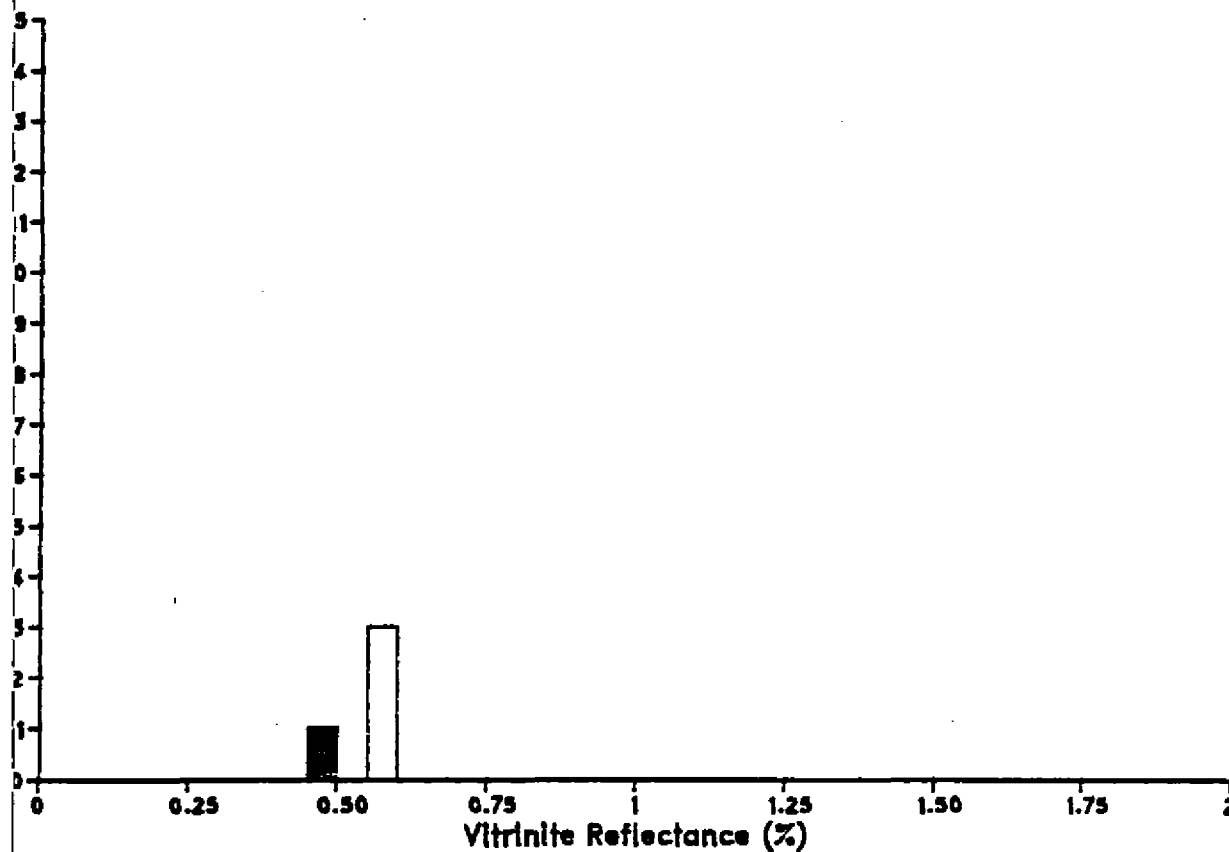


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.350 to 0.650):	0.51	0.06	16

Readings:									
0.370	0.430	0.490	0.500	0.500	0.510	0.520	0.520	0.520	0.530
0.530	0.540	0.540	0.550	0.560	0.620				

Vitrinite Reflectance Histogram

Well: NOCS 7/B-2
Depth: 2438.00(m)
Sample: 14-0b



Statistics:

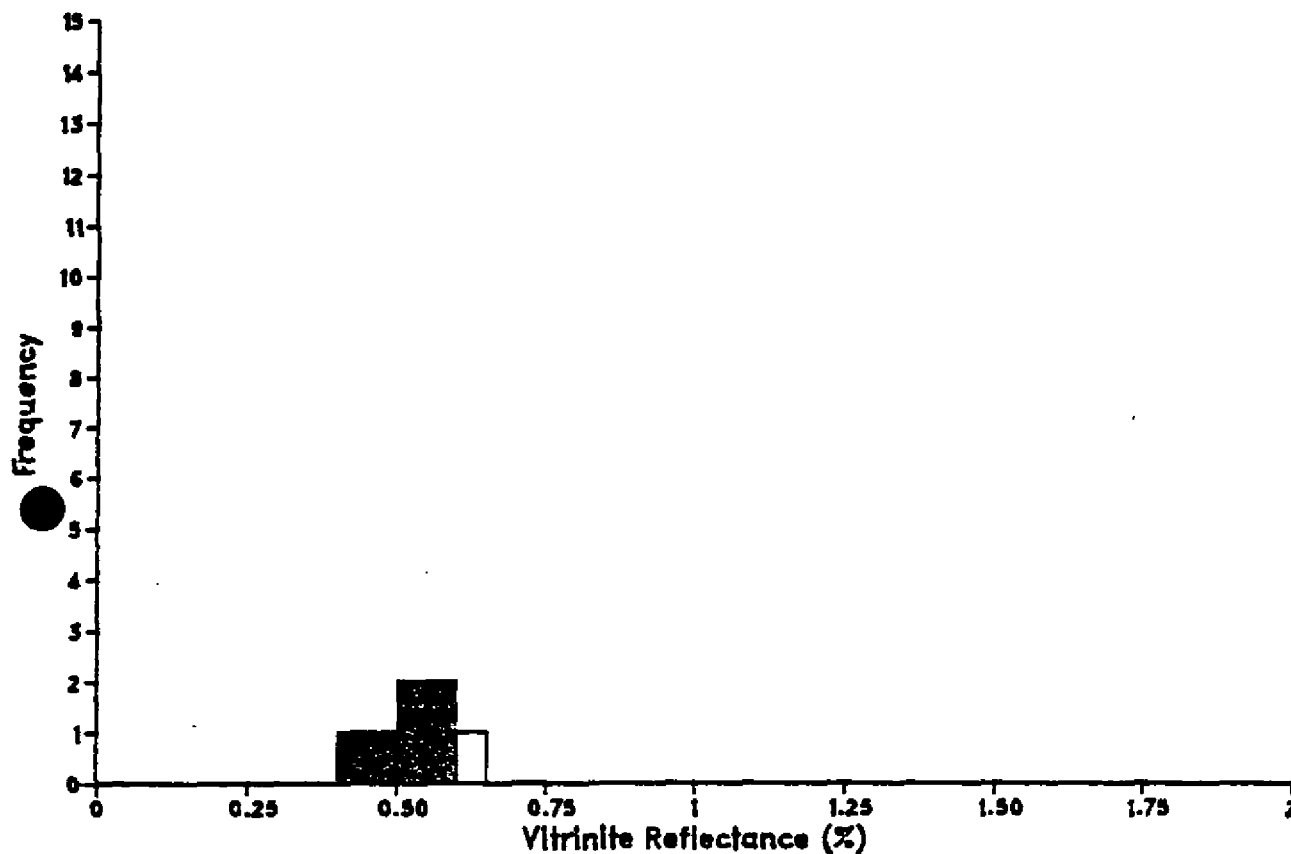
	Mean	St.Dev.	n
Indigenous Population (from 0.400 to 0.500):	0.45	0.00	1
Population Two (from 0.550 to 0.600):	0.57	0.02	3

Readings:

0.450 0.550 0.580 0.580

Vitrinite Reflectance Histogram

Well: NOCS 7/8-2
Depth: 2508.00(m)
Sample: 15- 0b

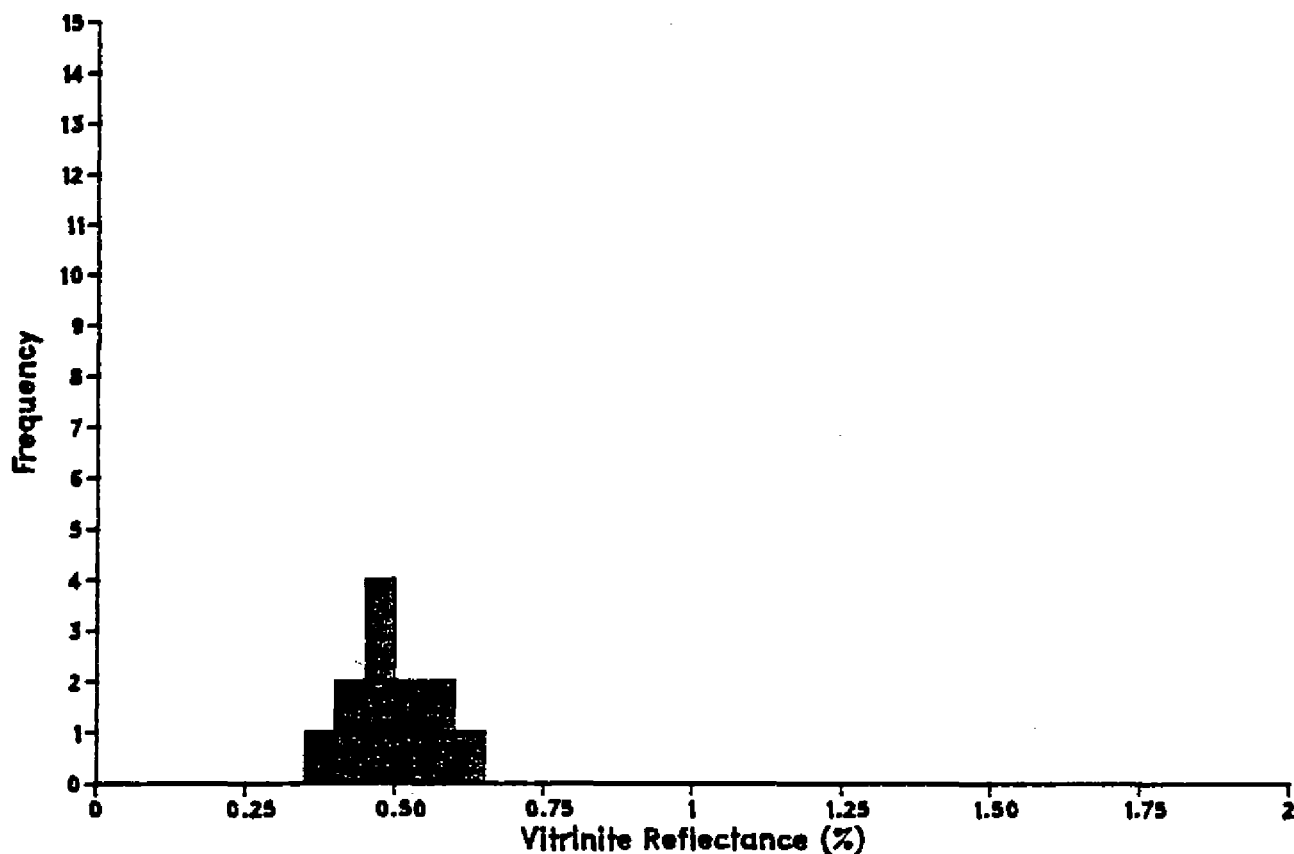


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.400 to 0.600):	0.51	0.06	6
Population Two (from 0.650 to 0.700):	0.65	0.00	1

Readings:
0.430 0.450 0.500 0.530 0.560 0.570 0.650

Vitrinite Reflectance Histogram

Well: NOCS 7/8-2
Depth: 2591.00(m)
Sample: 16- 0b

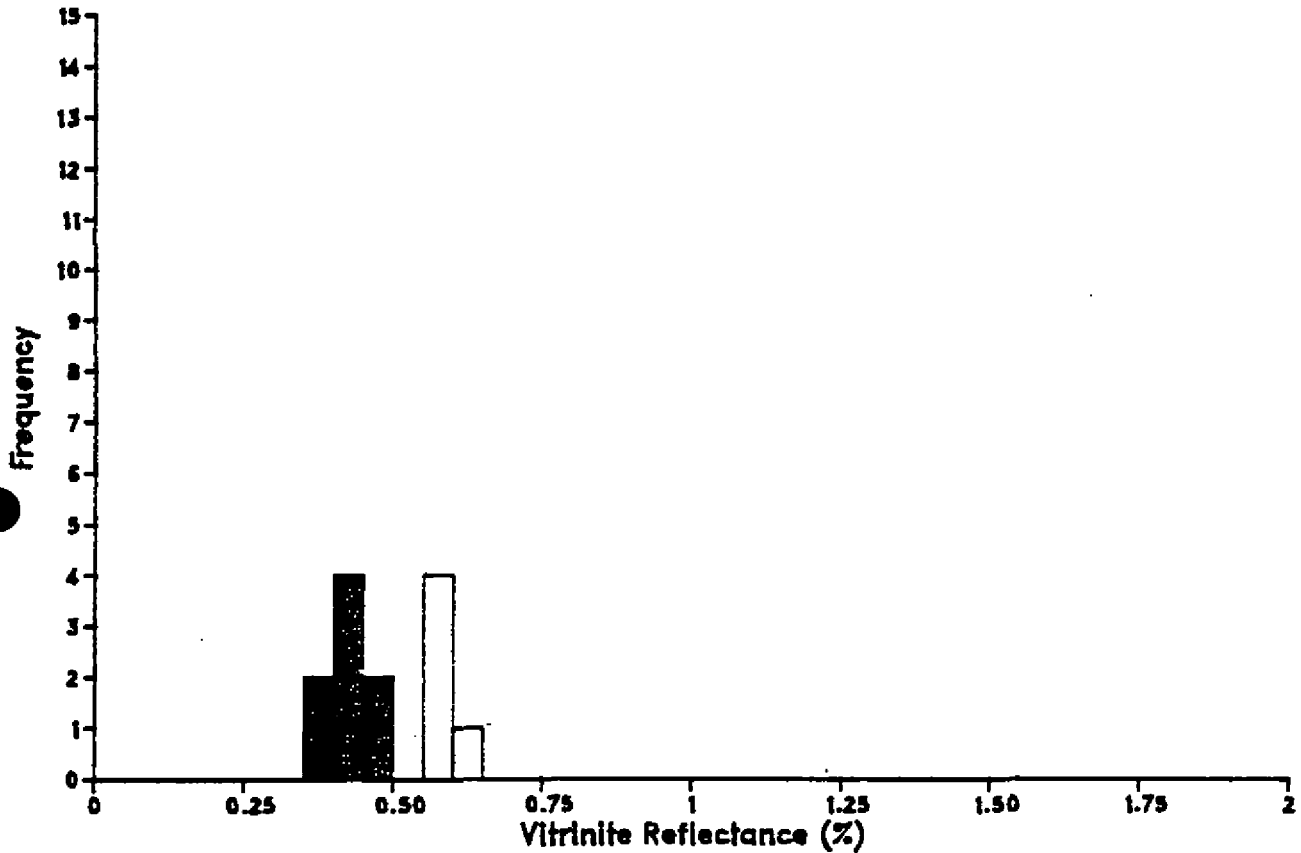


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.350 to 0.649):	0.50	0.07	12
Population Two (from 0.650 to 0.700):	0.65	0.00	1

Readings:									
0.390	0.420	0.440	0.460	0.480	0.480	0.480	0.510	0.530	0.580
0.580	0.610	0.650							

Vitrinite Reflectance Histogram

Well: NOCS 7/8-2
Depth: 2685.00(m)
Sample: 20-0b

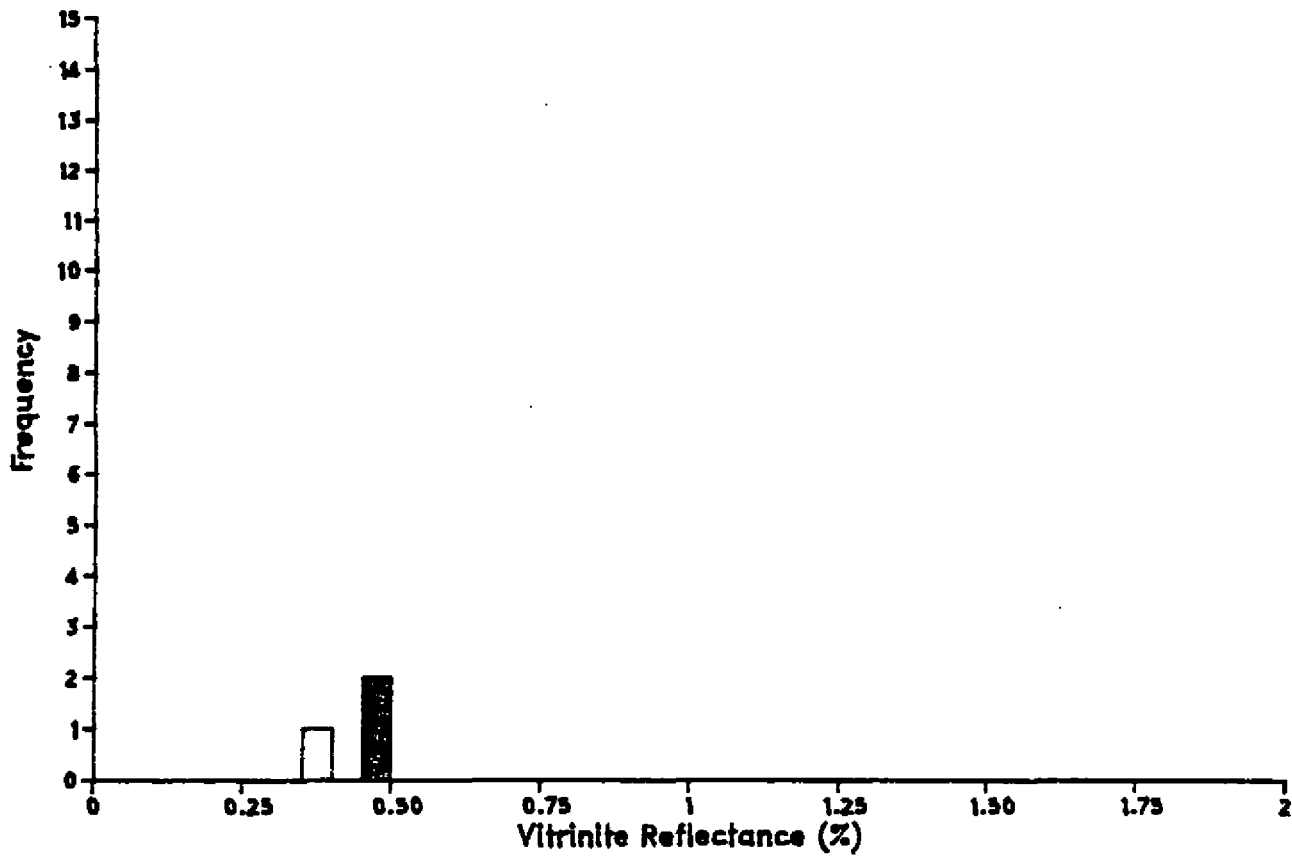


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.350 to 0.500):	0.42	0.03	8
Population Two (from 0.550 to 0.650):	0.59	0.03	5

Readings:									
0.380	0.390	0.410	0.410	0.410	0.430	0.450	0.450	0.560	0.570
0.570	0.590	0.640							

Vitrinite Reflectance Histogram

Well: NOCS 7/8-2
Depth: 2761.00(m)
Sample: 36-0b

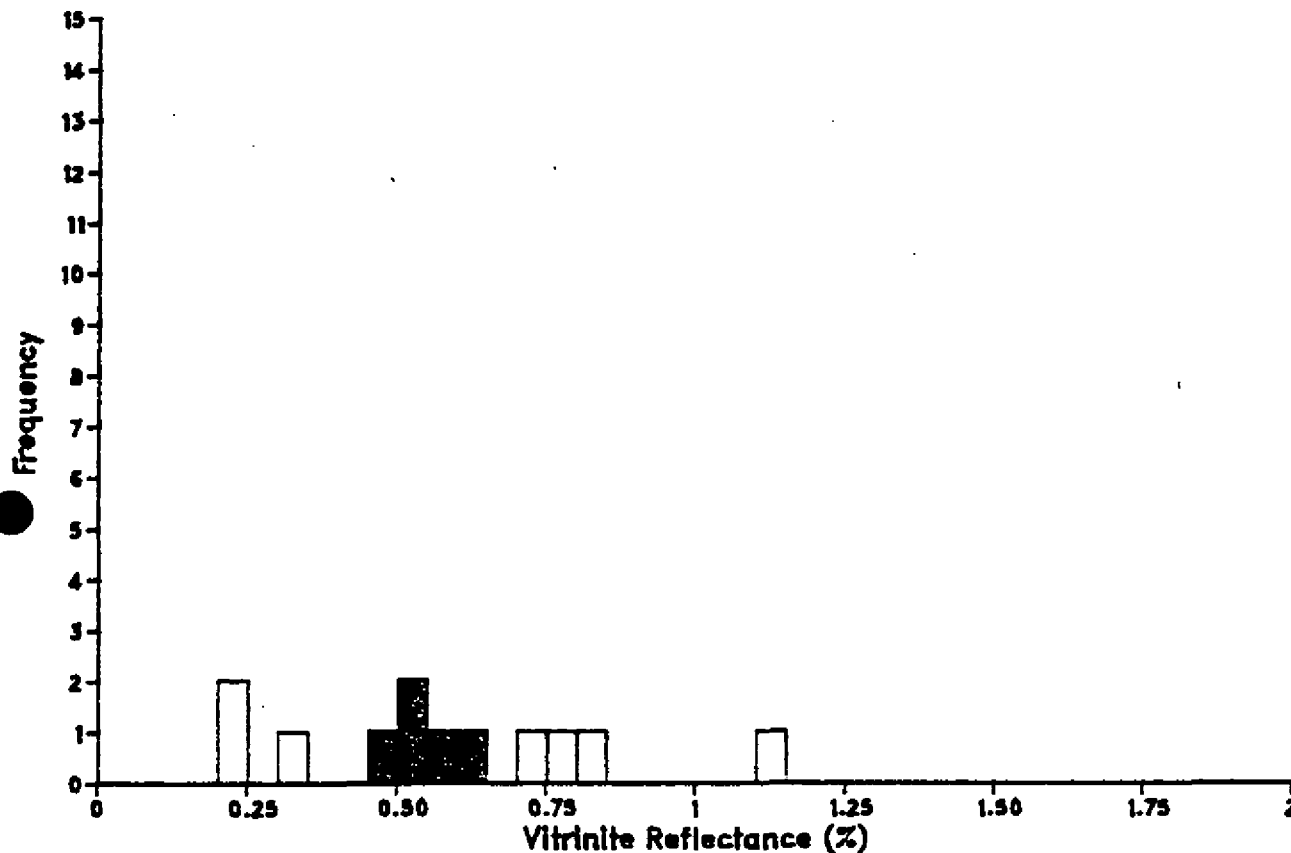


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.450 to 0.500):	0.47	0.00	2
Population Two (from 0.350 to 0.400):	0.36	0.00	1

Readings:
0.360 0.460 0.470

Vitrinite Reflectance Histogram

Well: NOCS 7/8-2
Depth: 2804.00(m)
Sample: 43- 0b

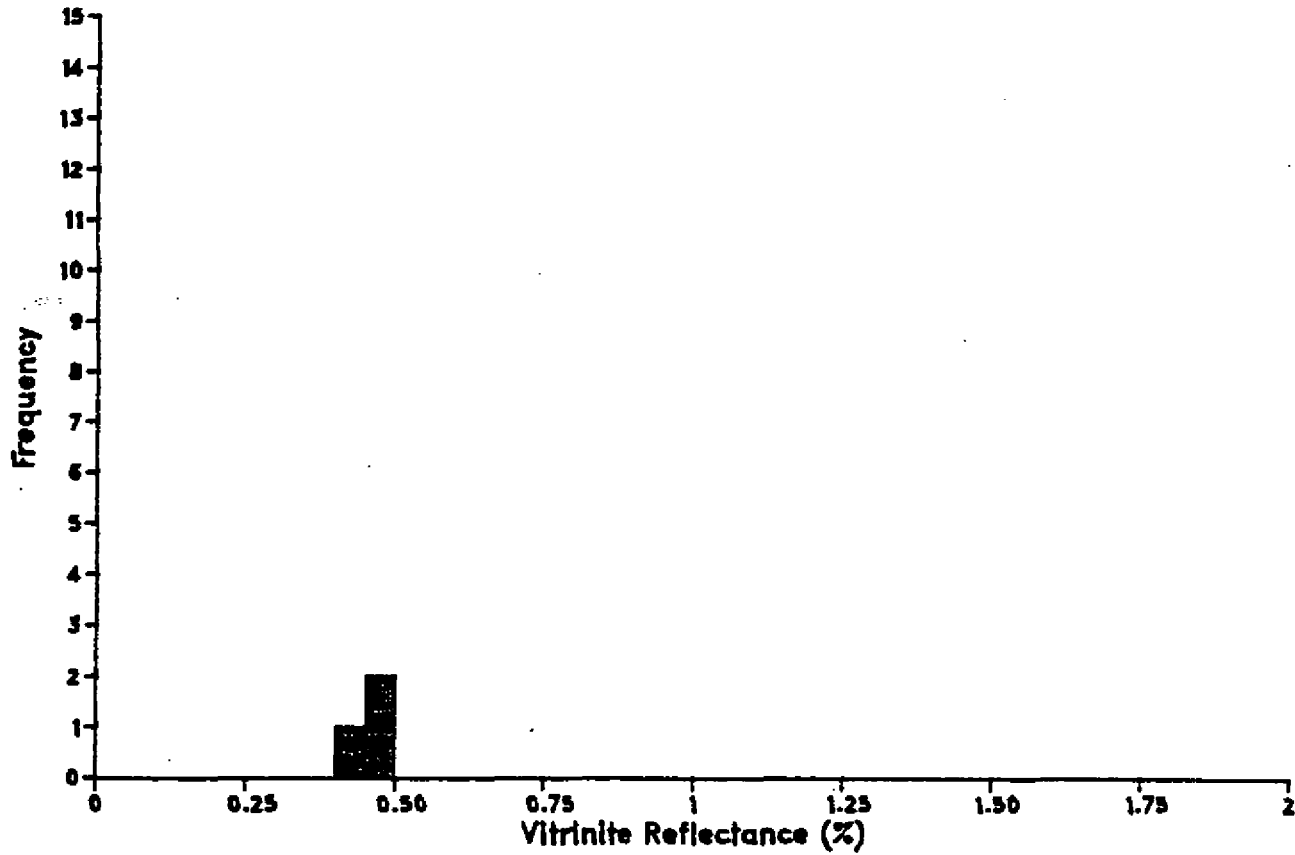


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.450 to 0.649):	0.53	0.06	5
Population Two (from 0.200 to 0.349):	0.26	0.06	3
Population Three (from 0.700 to 1.150):	0.85	0.17	4

Readings:
0.213 0.224 0.329 0.464 0.503 0.519 0.574 0.608 0.723 0.764
0.808 1.102

Vitrinite Reflectance Histogram

Well: NOCS 7/8-2
Depth: 2822.00(m)
Sample: 47-0b

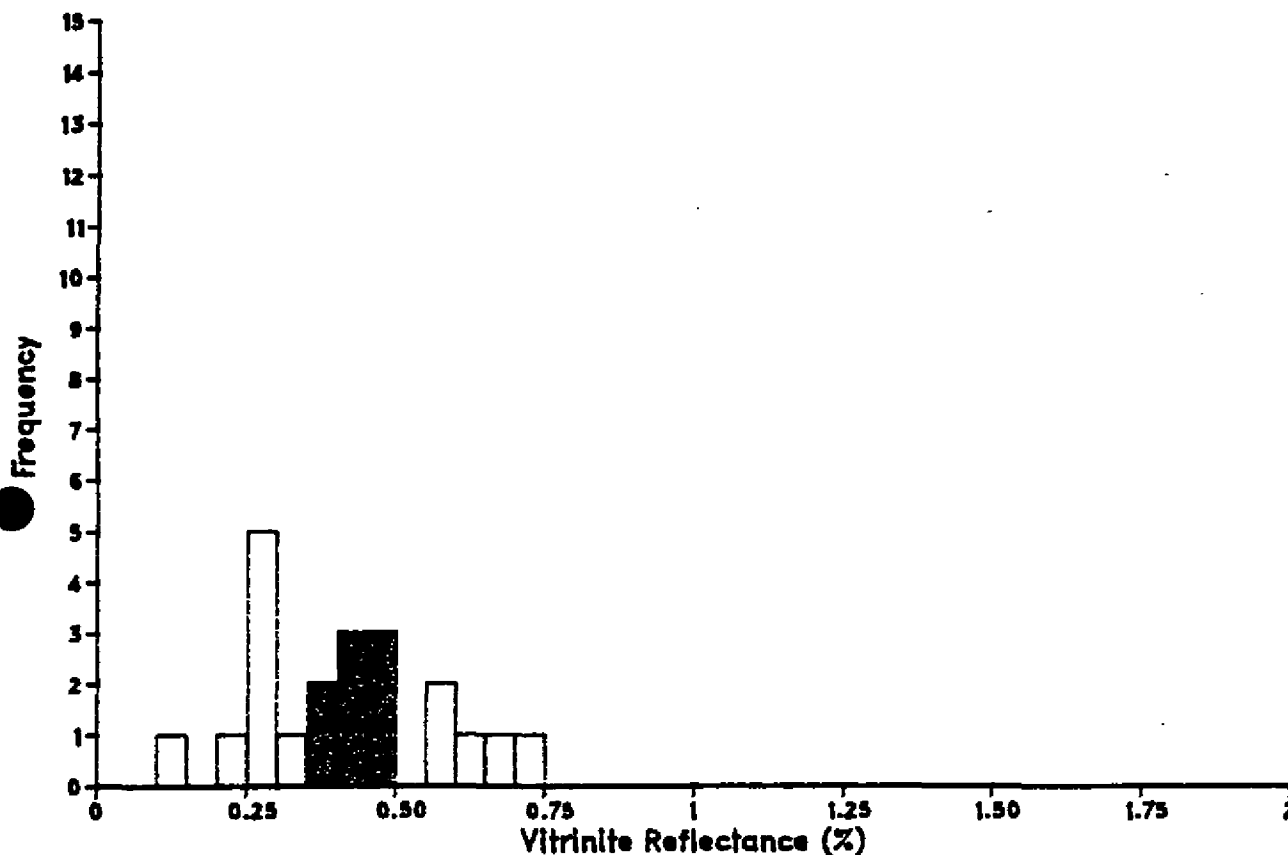


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.400 to 0.500):	0.45	0.04	3

Readings:
0.410 0.450 0.490

Vitrinite Reflectance Histogram

Well: NOCS 7/8-2
Depth: 2871.00(m)
Sample: 53-0b

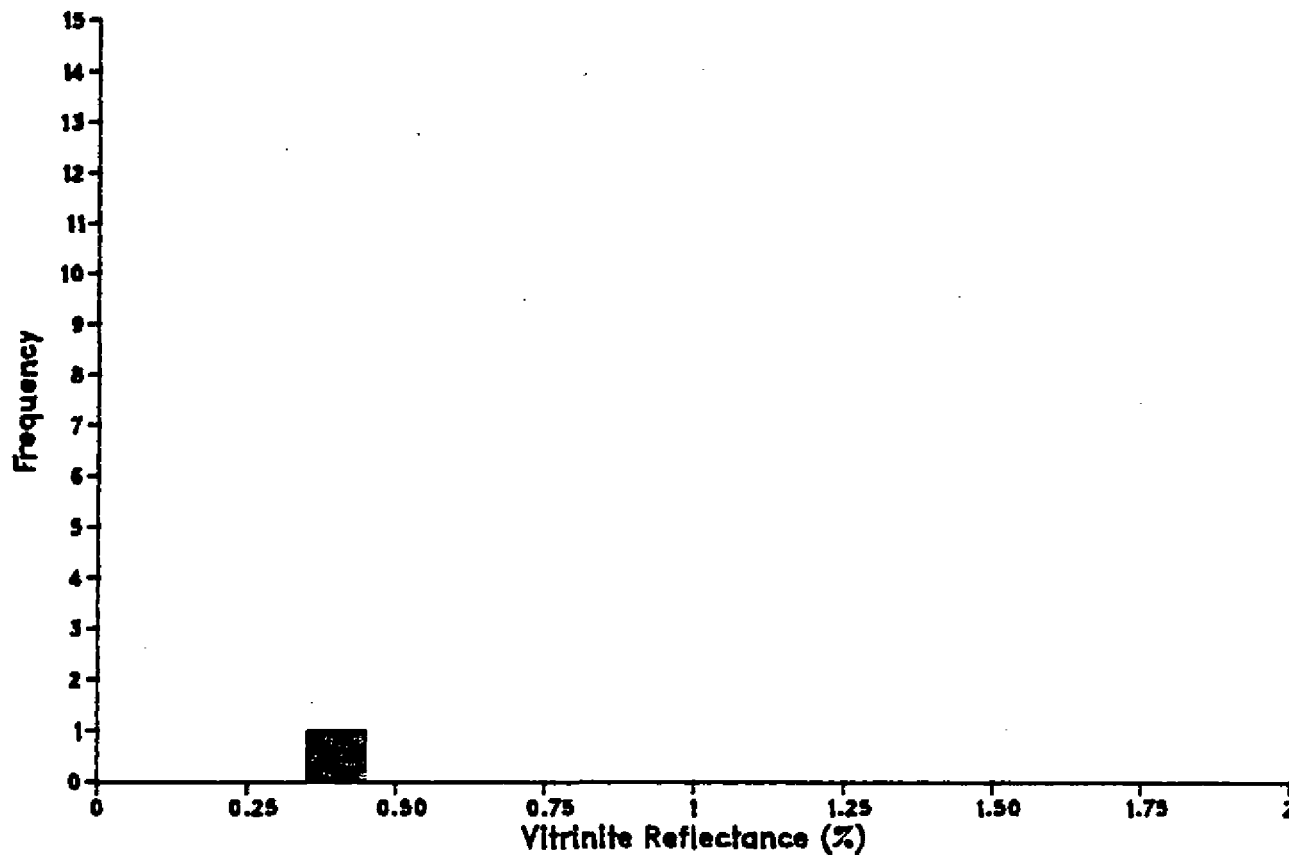


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.350 to 0.499):	0.43	0.04	8
Population Two (from 0.100 to 0.349):	0.25	0.06	8
Population Three (from 0.550 to 0.749):	0.63	0.07	5

Readings:									
0.134	0.201	0.251	0.254	0.254	0.264	0.276	0.329	0.364	0.399
0.412	0.412	0.416	0.470	0.471	0.492	0.551	0.578	0.645	0.662
0.719									

Vitrinite Reflectance Histogram

Well: NOCS 7/8-2
Depth: 2926.00(m)
Sample: 59-0b

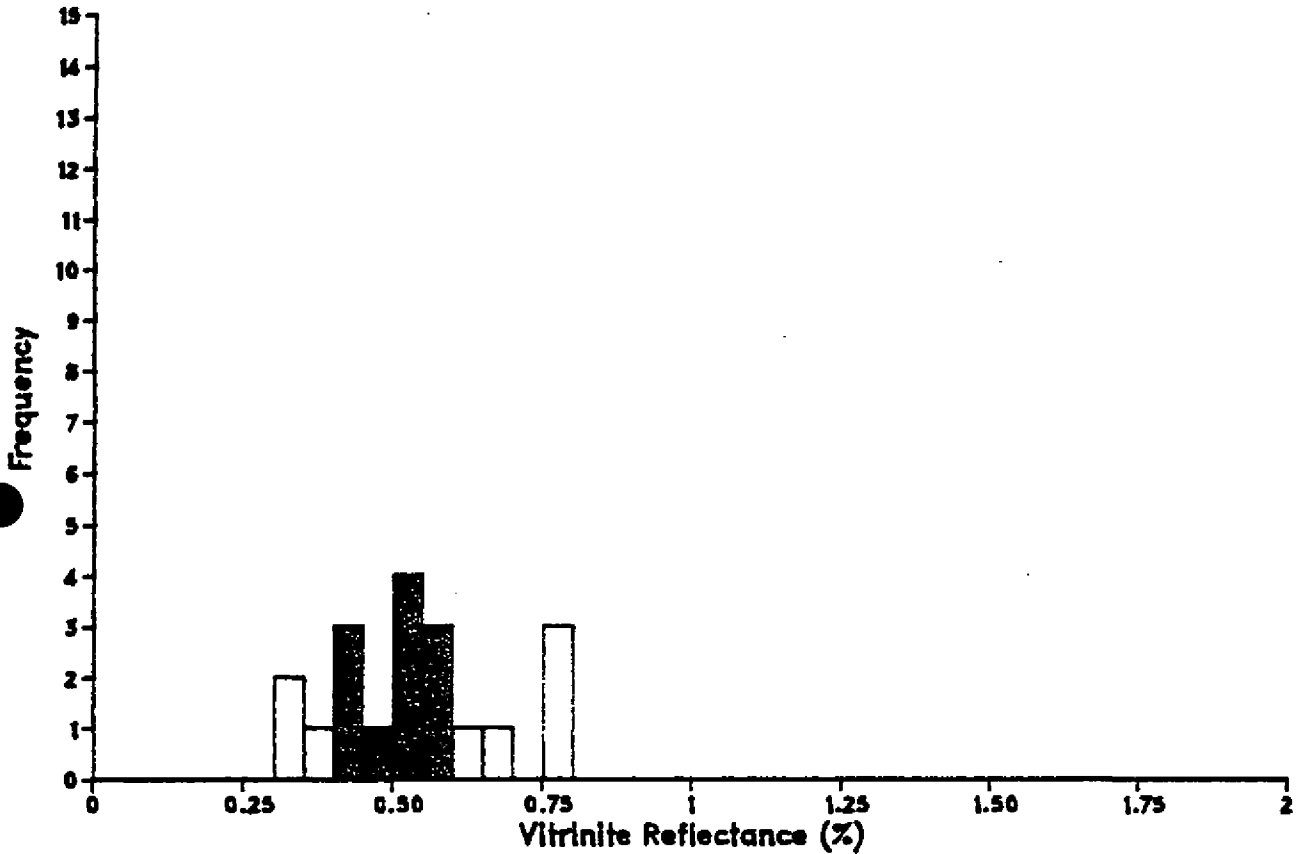


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.350 to 0.450):	0.40	0.03	2

Readings:
0.380 0.420

Vitrinite Reflectance Histogram

Well: NOCS 7/8-2
Depth: 2932.00(m)
Sample: 60-0b

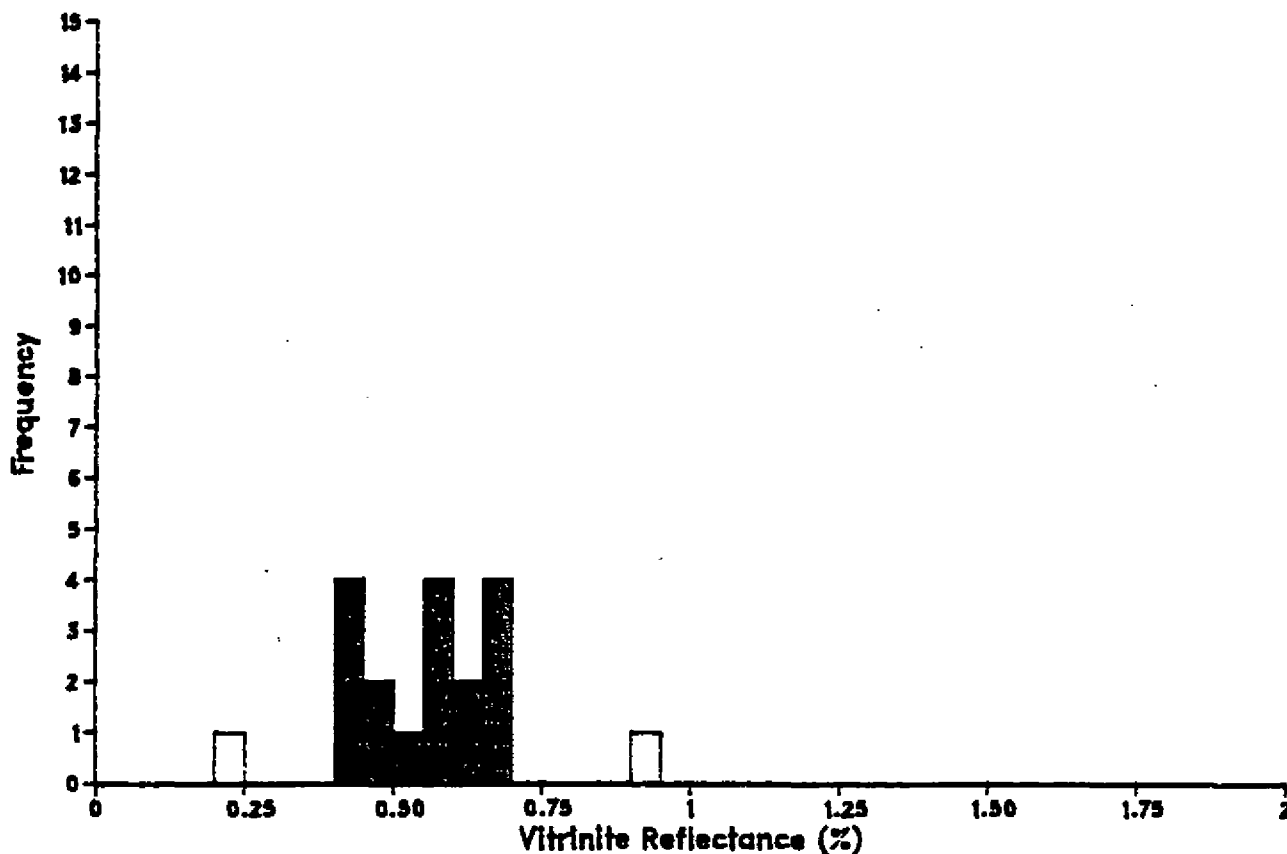


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.400 to 0.599):	0.51	0.05	11
Population Two (from 0.300 to 0.399):	0.35	0.04	3
Population Three (from 0.600 to 0.799):	0.74	0.07	5

Readings:									
0.314	0.335	0.393	0.430	0.437	0.441	0.493	0.512	0.516	0.521
0.522	0.552	0.568	0.578	0.647	0.683	0.783	0.792	0.796	

Vitrinite Reflectance Histogram

Well: NOCS 7/8-2
Depth: 2990.00(m)
Sample: 66-0b

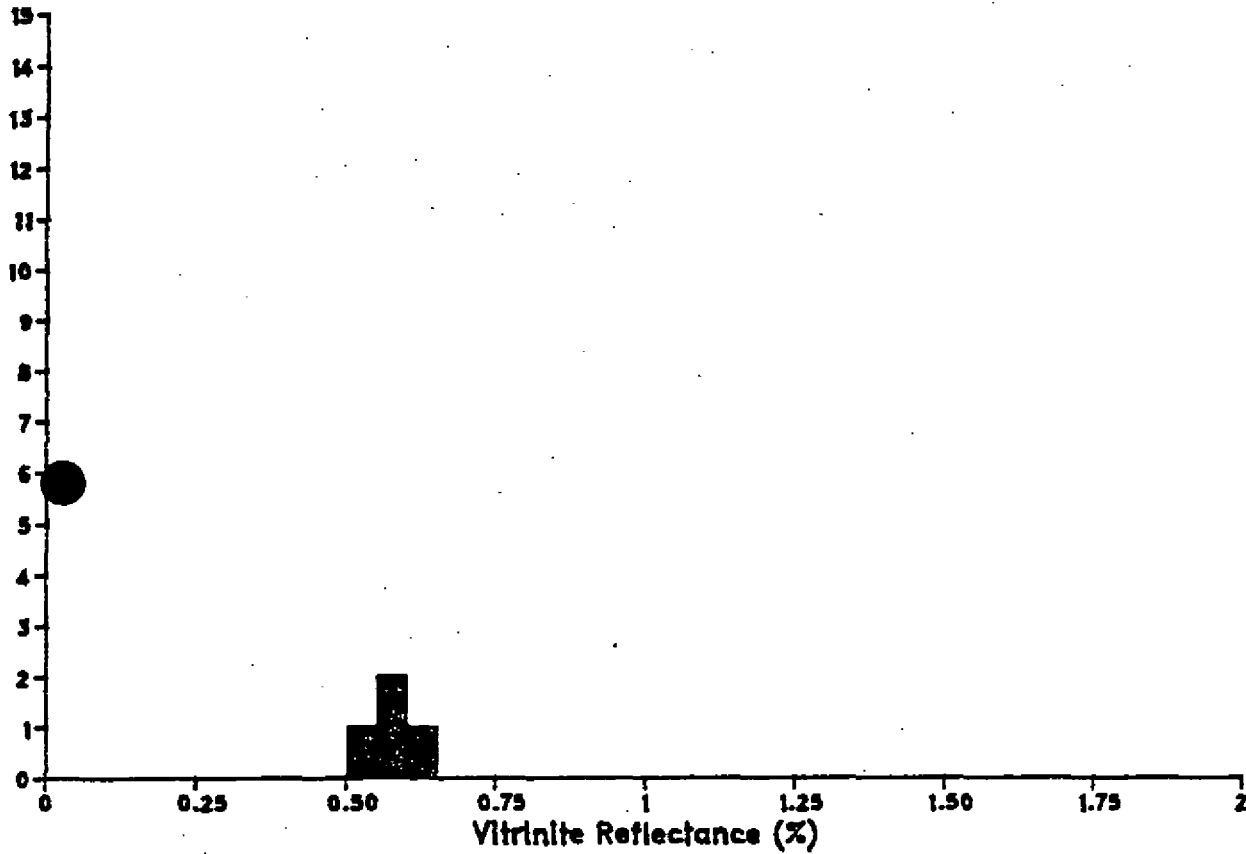


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.400 to 0.700):	0.56	0.09	17
Population Two (from 0.200 to 0.250):	0.25	0.00	1
Population Three (from 0.900 to 0.950):	0.95	0.00	1

Readings:									
0.247	0.418	0.422	0.443	0.443	0.486	0.499	0.535	0.557	0.560
0.568	0.593	0.607	0.638	0.652	0.652	0.685	0.687	0.946	

Vitrinite Reflectance Histogram

Well: NOCS 7/8-2
Depth: 2999.00(m)
Sample: 67-0b



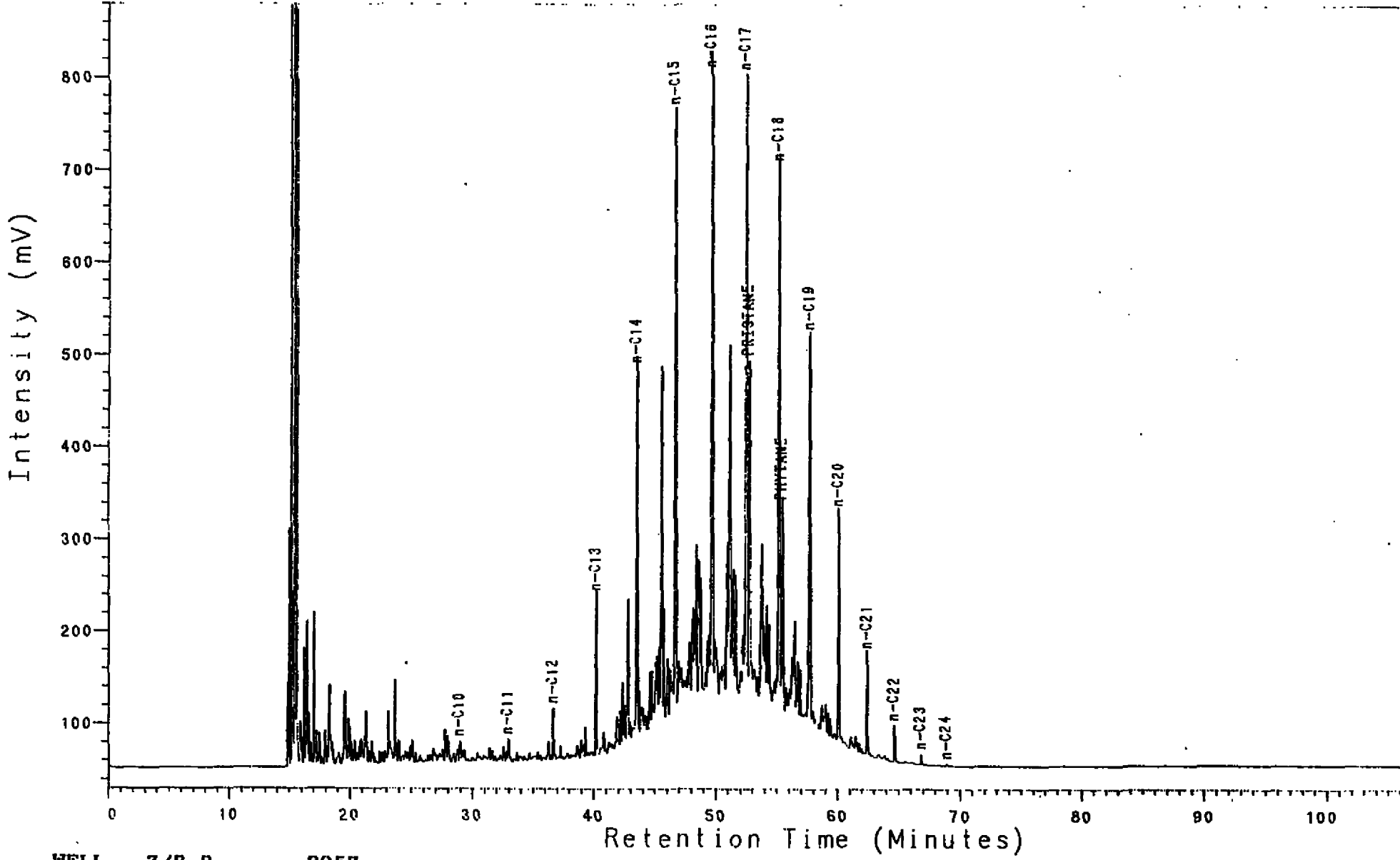
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.500 to 0.650):	0.57	0.05	4

Readings:
0.520 0.570 0.570 0.630

Analysis CC2432057

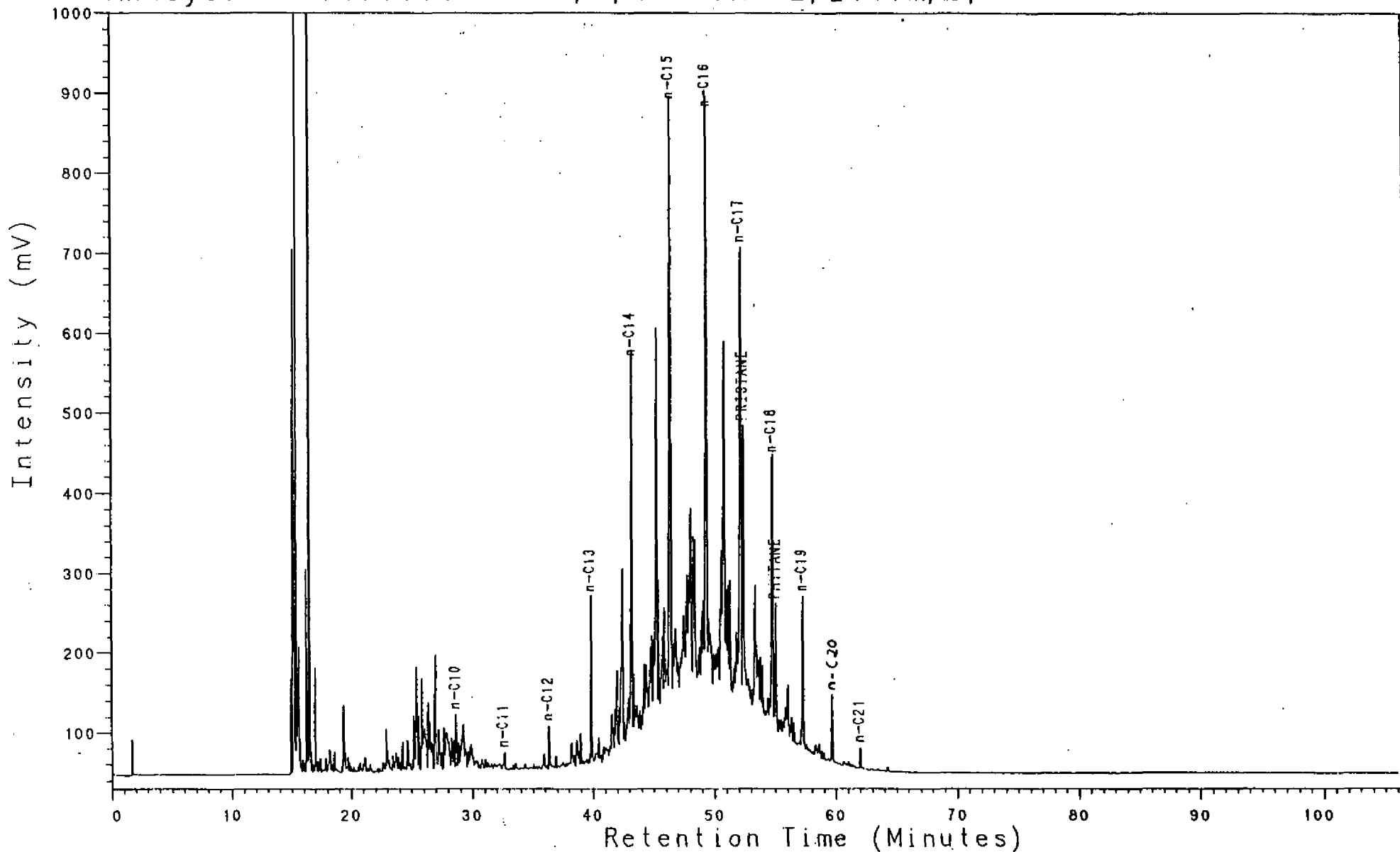
24, 1, 1

7/8-2, 2057m, S1



WELL 7/8-2 2057m
THERMAL EXTRACTION GC (S1)
CLST:brn gy to brn blk

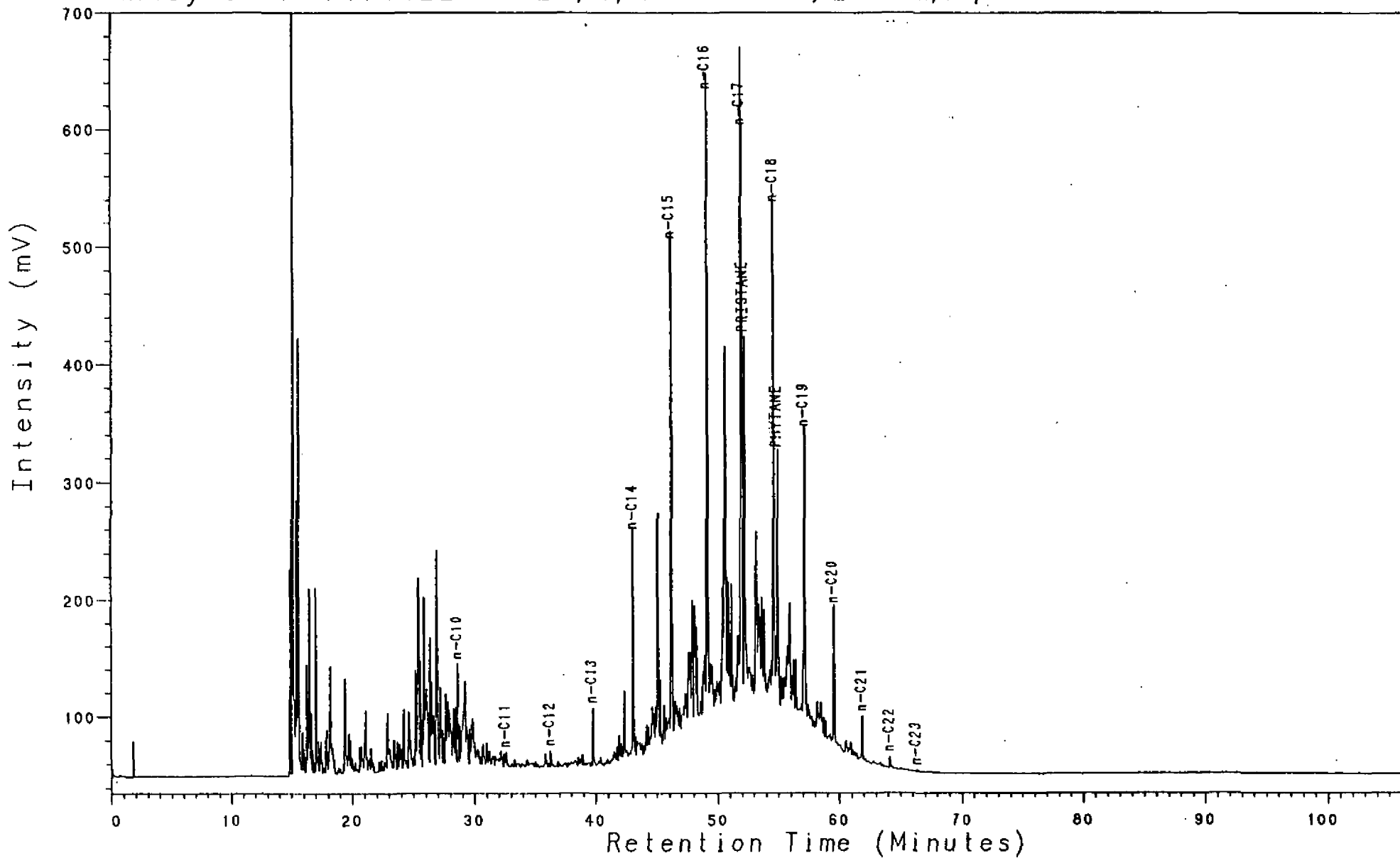
Analysis PC040111L 24, 1, 1 7/8-2, 2210m, S1



NOCS 7/8-2 2210m
THERMAL EXTRACTION GC (S1)
CLST:brn gy to brn blk, m drk

Analysis PC040142L

24, 1, 1 7/8-2, 2438m, S1

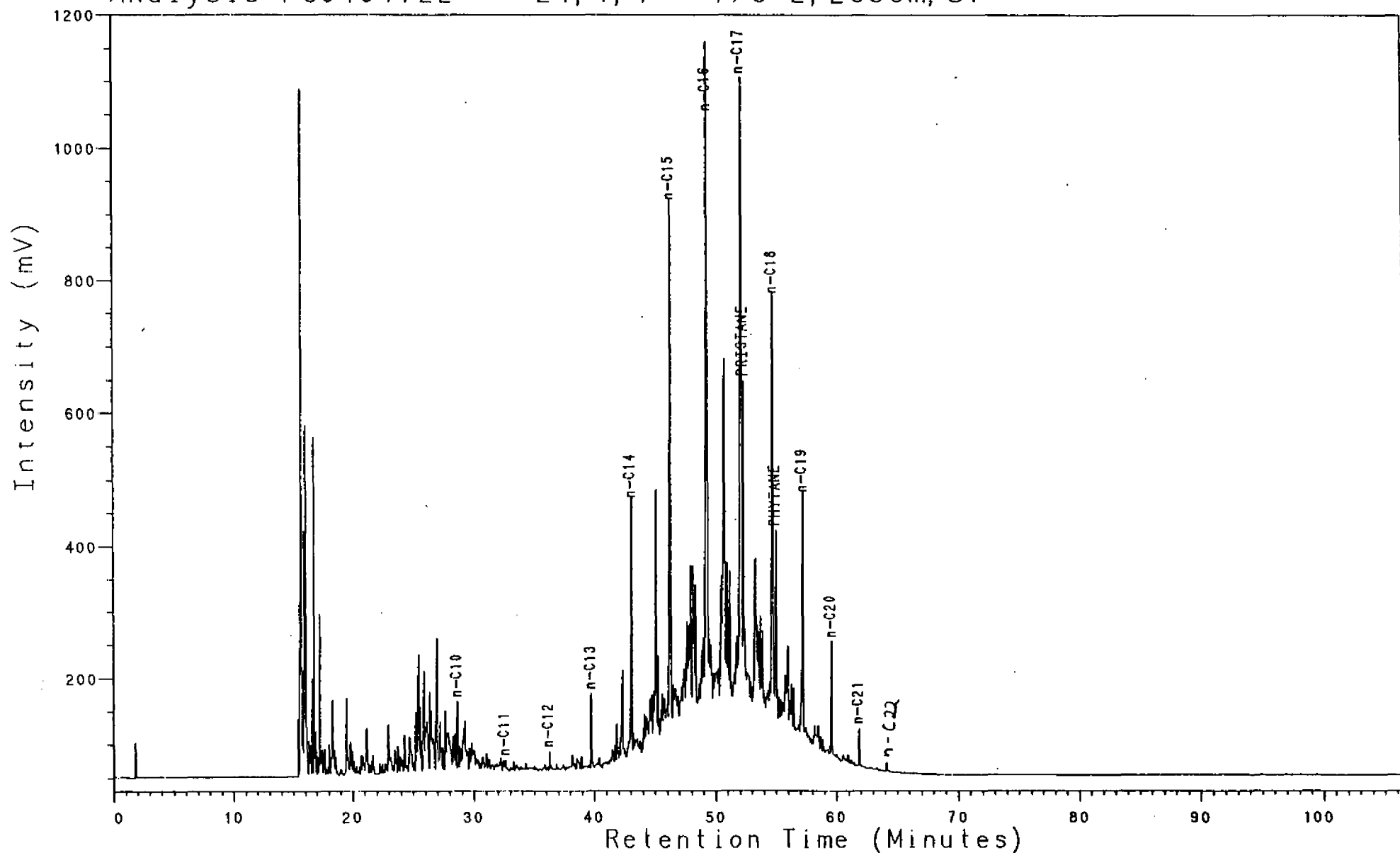


NOCS 7/8-2 2438m
THERMAL EXTRACTION GC (S1)
CLST: gn gy, ol gy, m gy

Analysis PC040172L

24, 1, 1

7/8-2, 2636m, S1

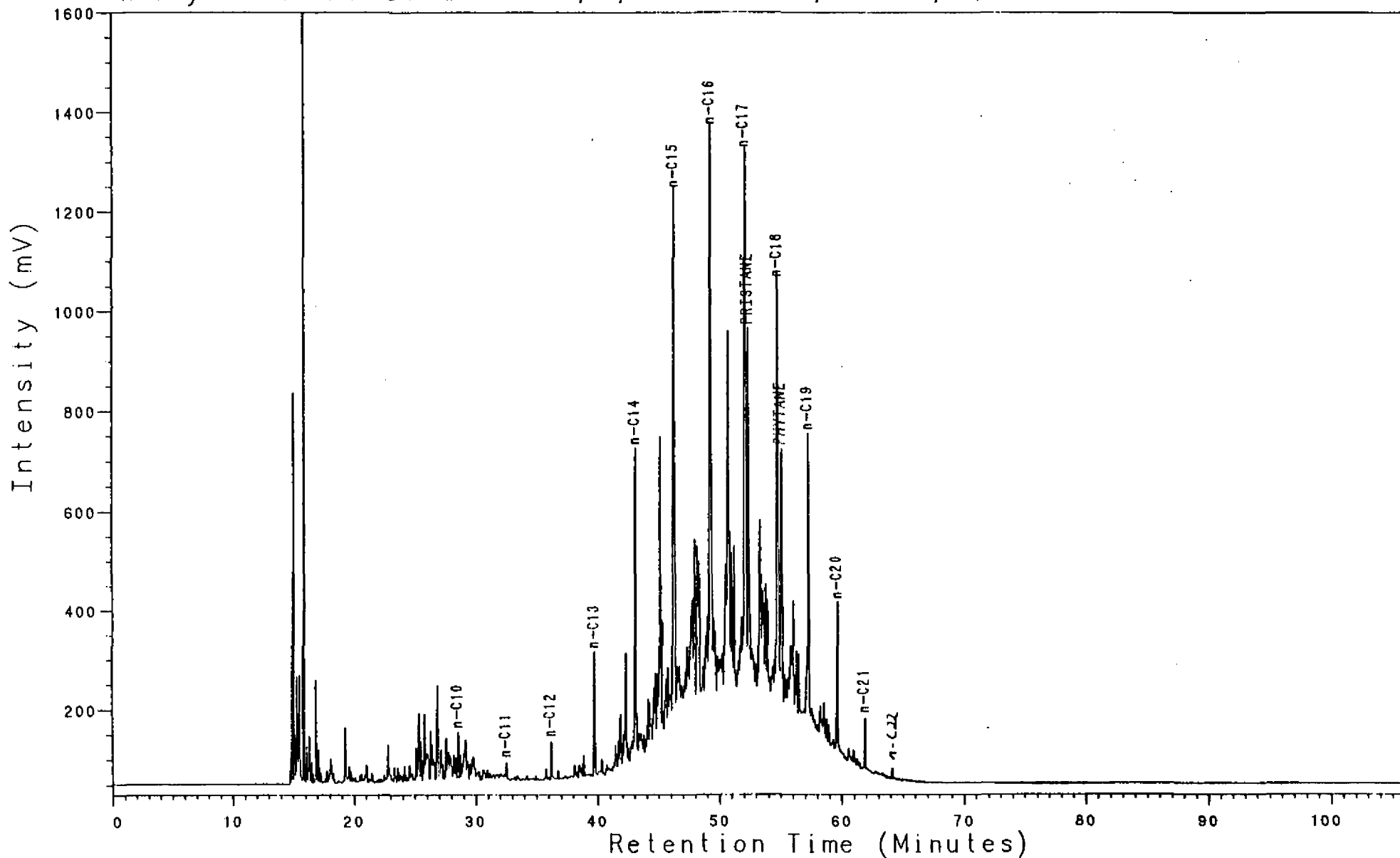


NOCS 7/8-2 2636m
THERMAL EXTRACTION GC (S1)
CLST:gn gy, ol gy, lt brn gy,
m drk gy

Analysis PC040212L

24, 1, 1

7/8-2, 2700m, S1

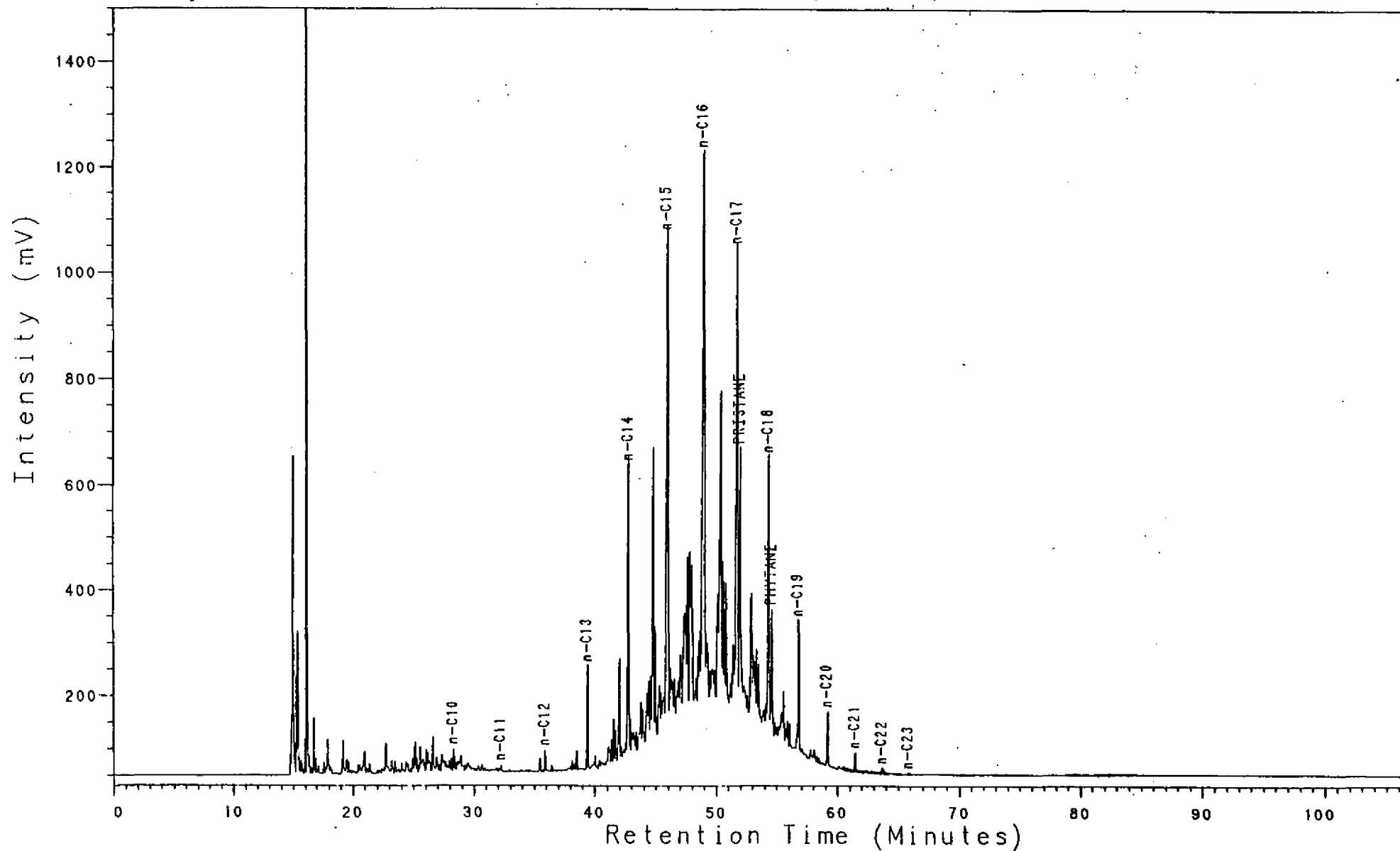


NOCS 7/8-2 2700m
THERMAL EXTRACTION GC (S1)
CLST:brn gy to ol gy, lt gy to
m drk gy

Analysis PC040213L

24, 1, 1

7/8-2, 2700m, S1

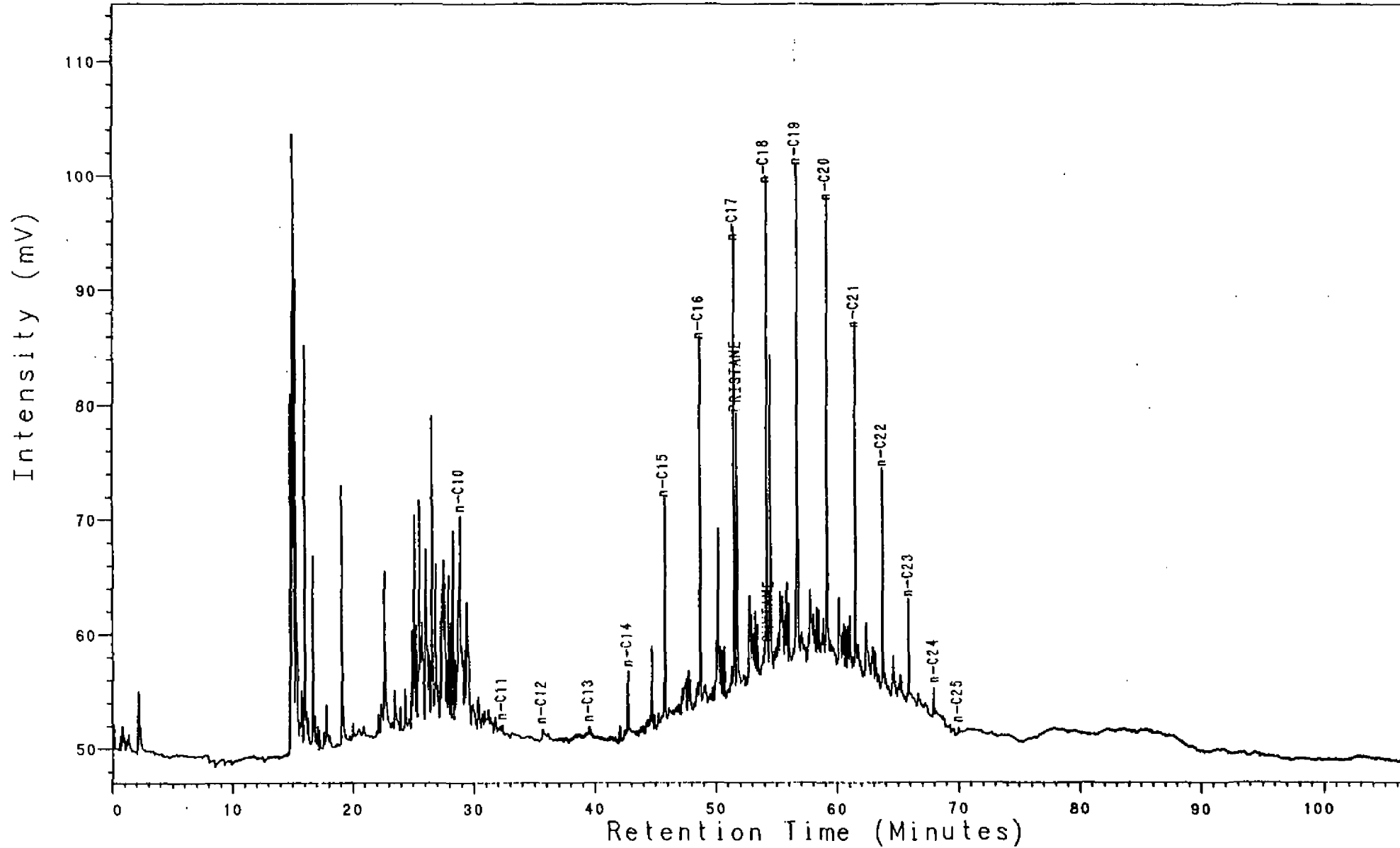


NOCS 7/8-2 2700m
THERMAL EXTRACTION GC (S1)
CLST:dsk red

Analysis PC040241L

24, 1, 1

7/8-2, 2710m, S1

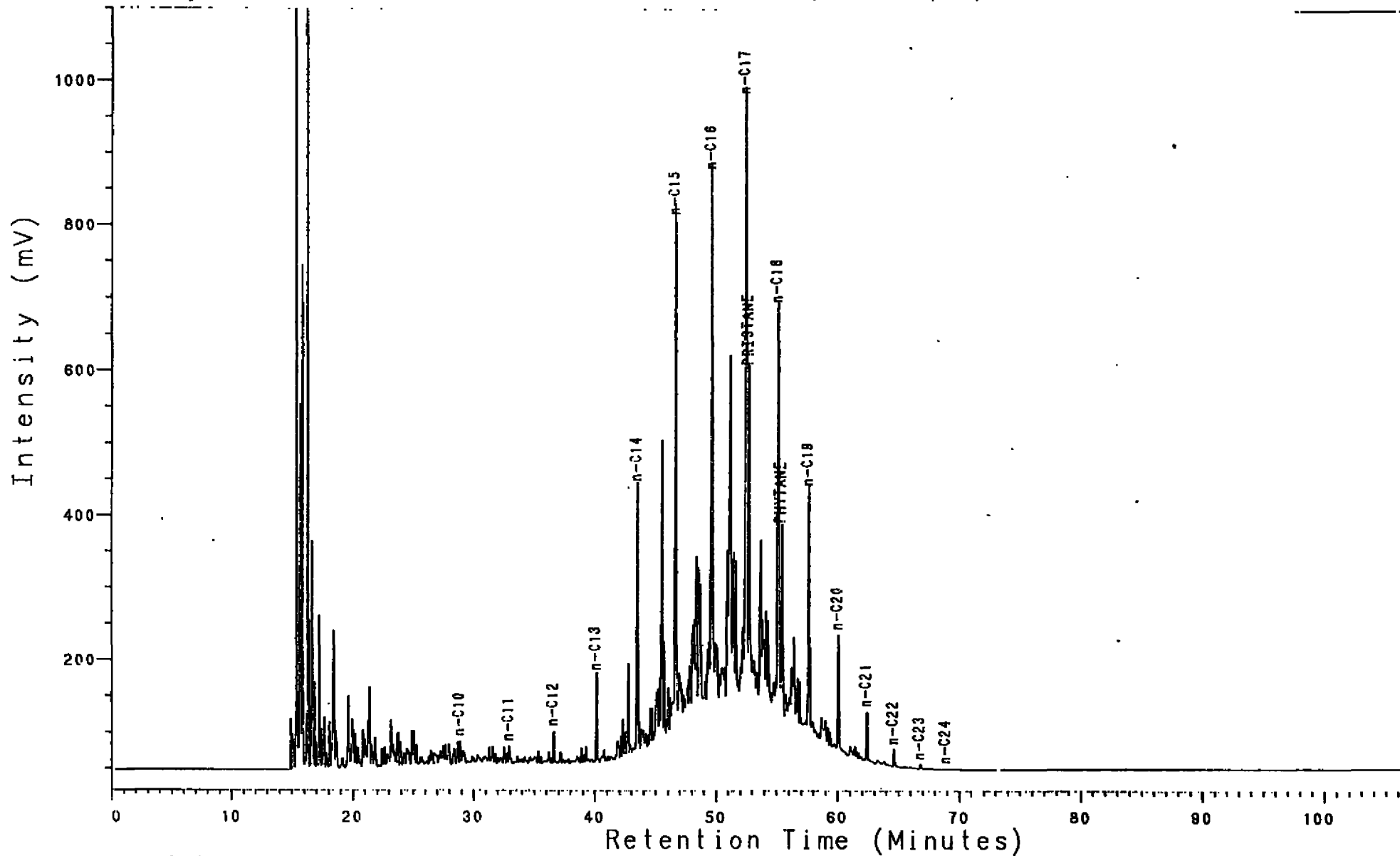


NOCS 7/8-2 2710m
THERMAL EXTRACTION GC (S1)
CA:w to gy pi

Analysis CC2432722

24, 1, 1

7/8-2, 2722m, S1

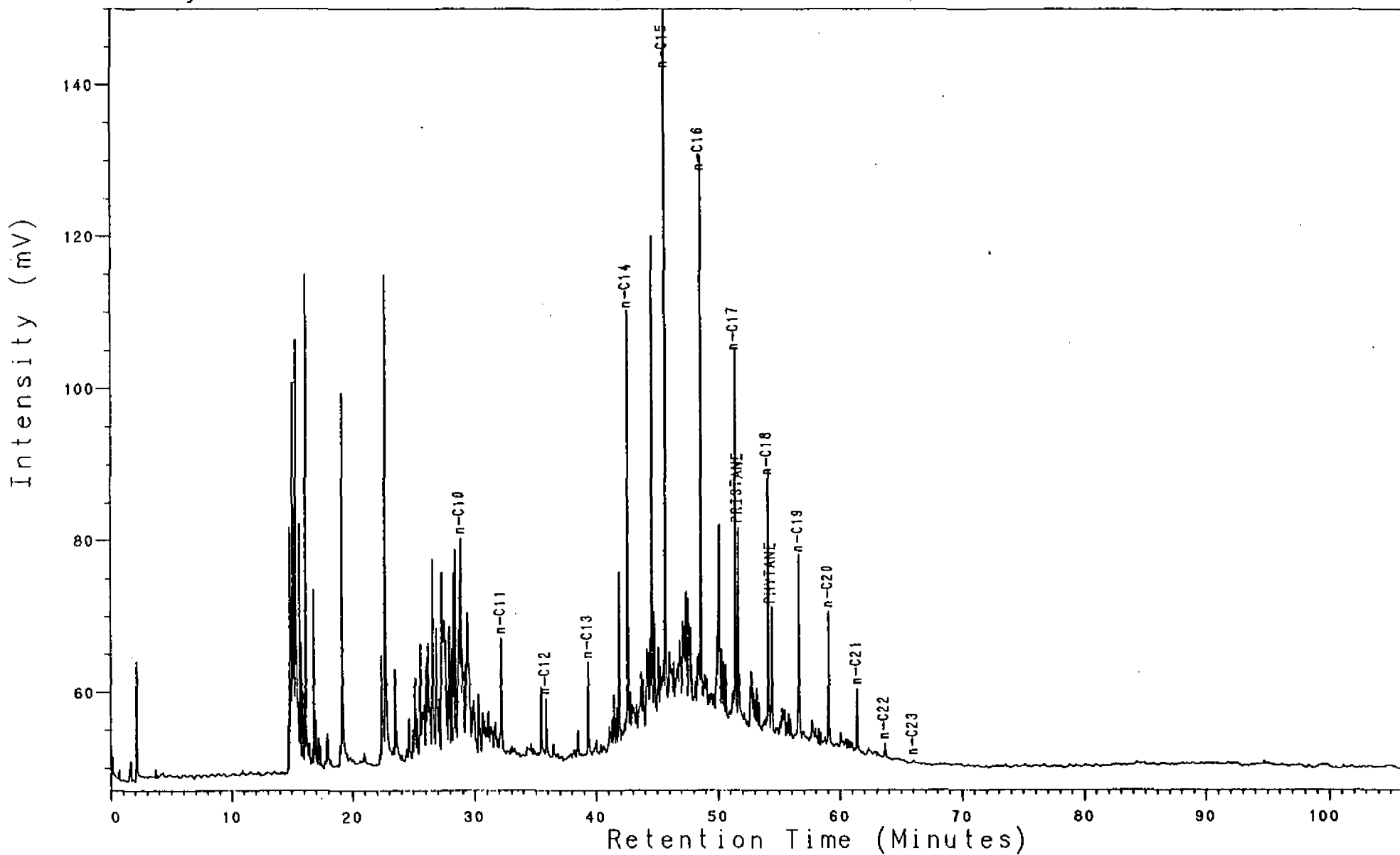


WELL 7/8-2 2722m
THERMAL EXTRACTION GC (S1)
CLST:brn gy to gy pi, lt gy to
m drk gy

Analysis PC040321L

24, 1, 1

7/8-2, 2737m, S1

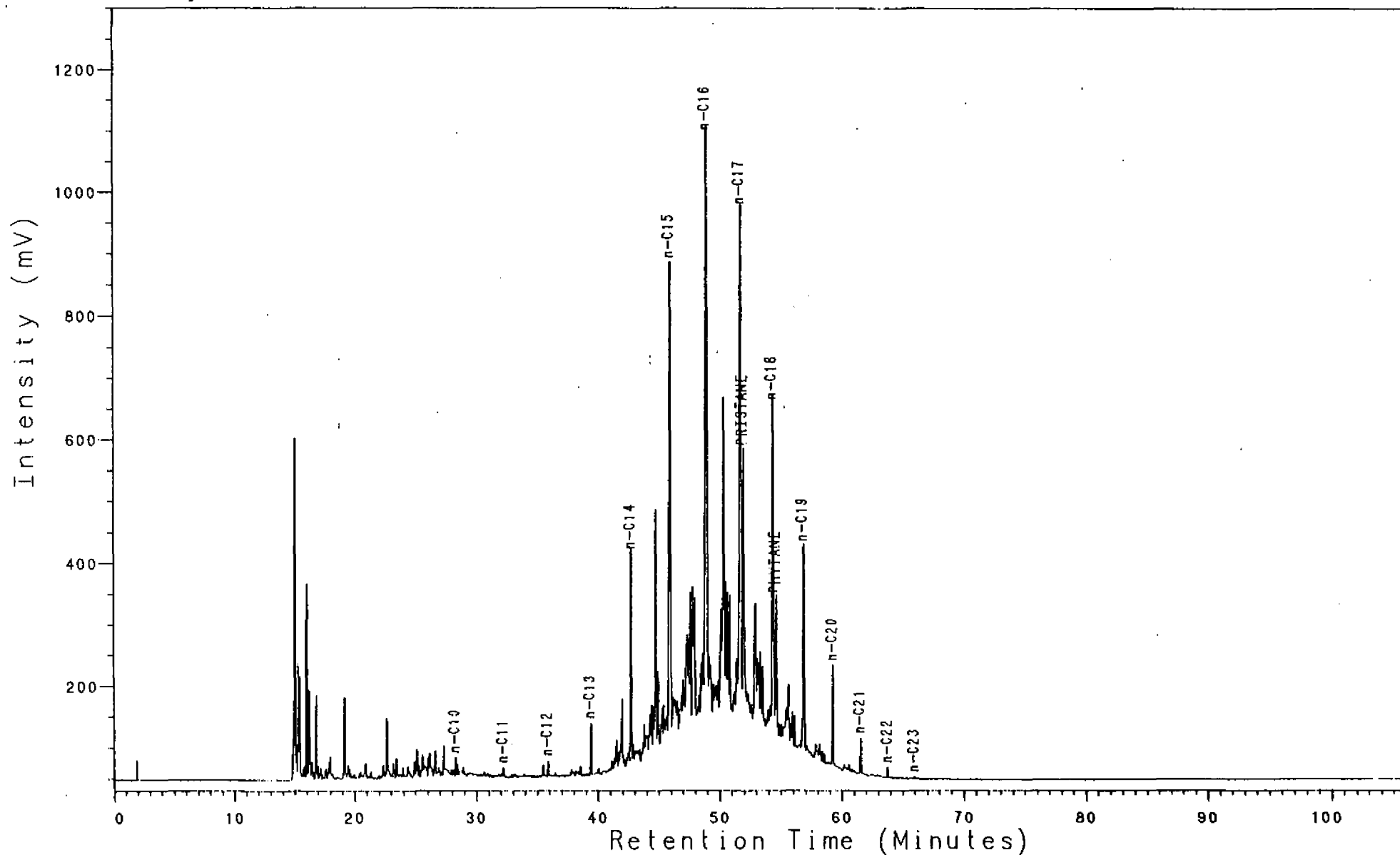


NOCS 7/8-2 2737m
THERMAL EXTRACTION GC (S1)
CA:w to gy pi

Analysis PC040332L

24, 1, 1

7/8-2, 2746m, S1

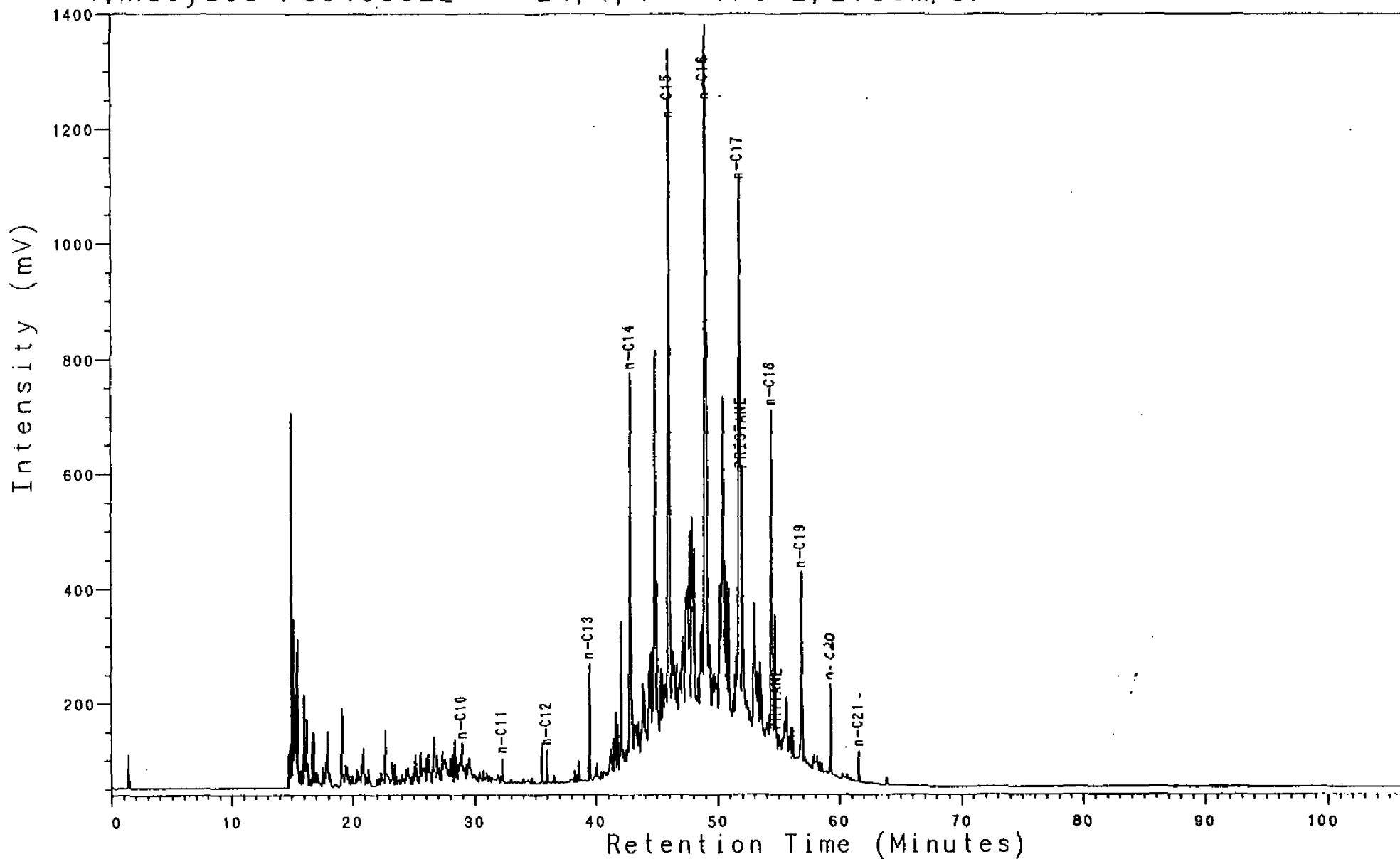


NOCS 7/8-2 2746m
THERMAL EXTRACTION GC (S1)
CLST: 1t ol gy, m gy to m drk

Analysis PC040352L

24, .1, 1

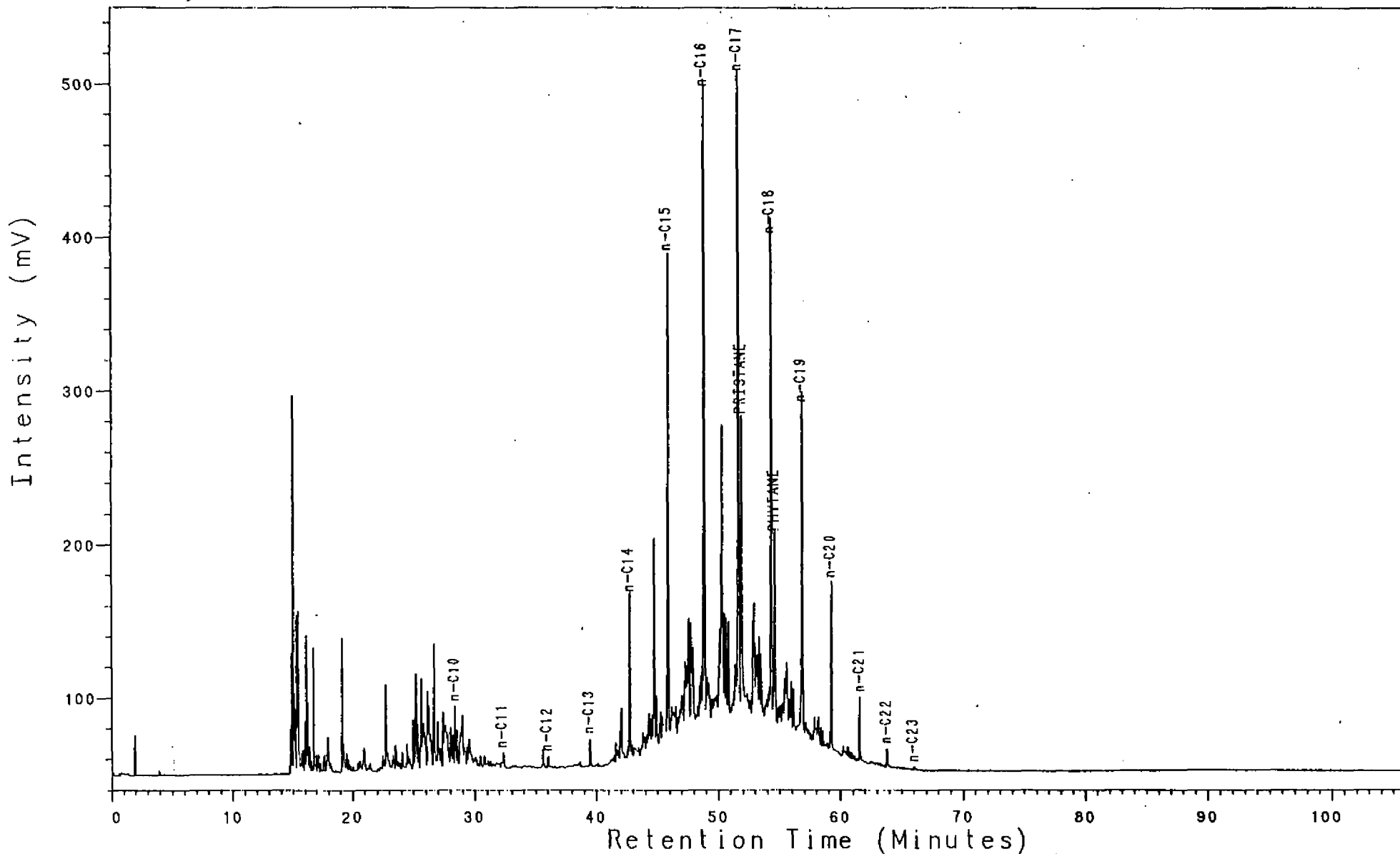
7/8-2, 2758m, S1



NOCS 7/8-2 2758m
THERMAL EXTRACTION GC (S1)
CLST:ol gy to lt ol gy, m gy
to m drk gy

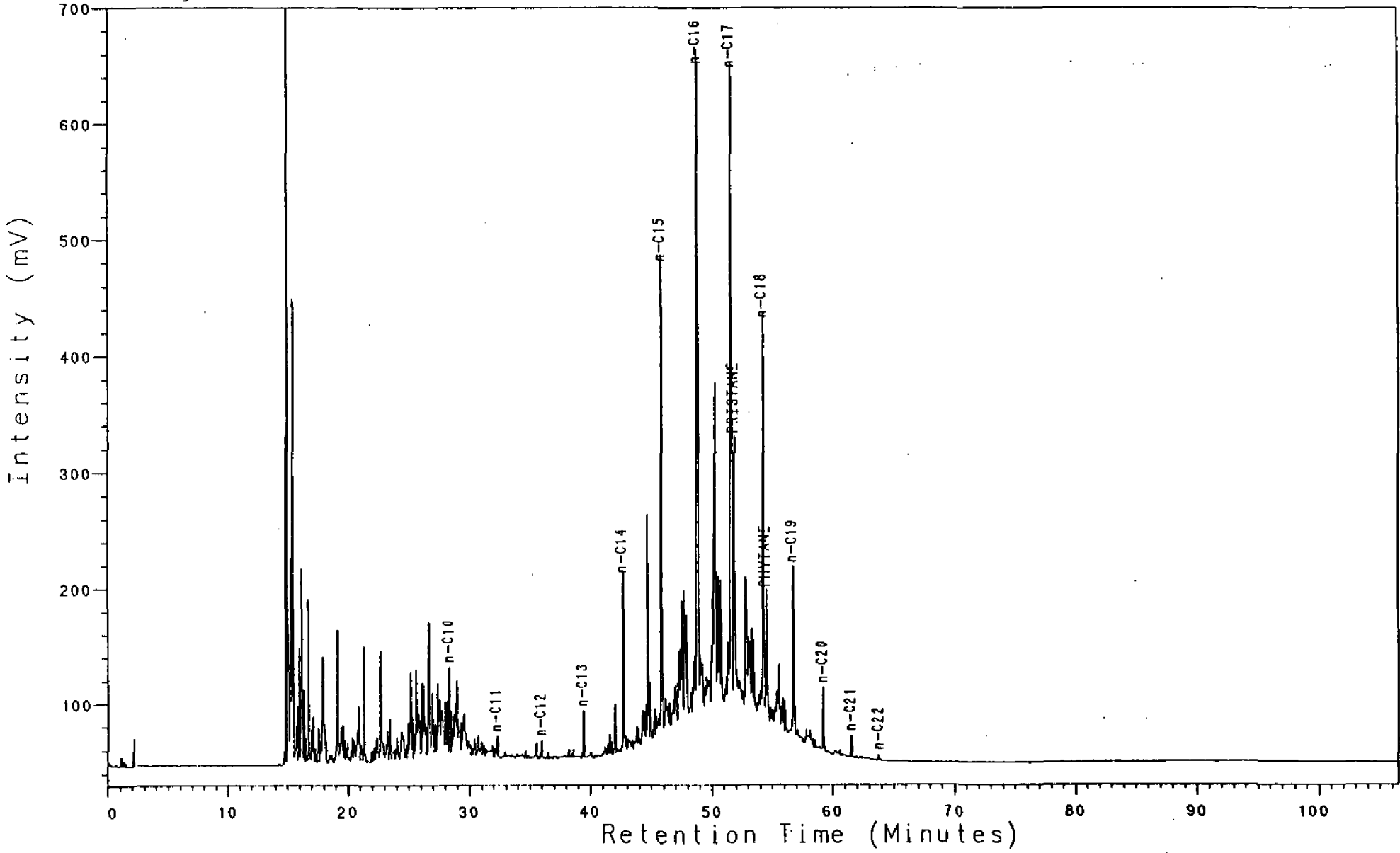
Analysis PC040372L

24, 1, 1 7/8-2, 2771m, S1



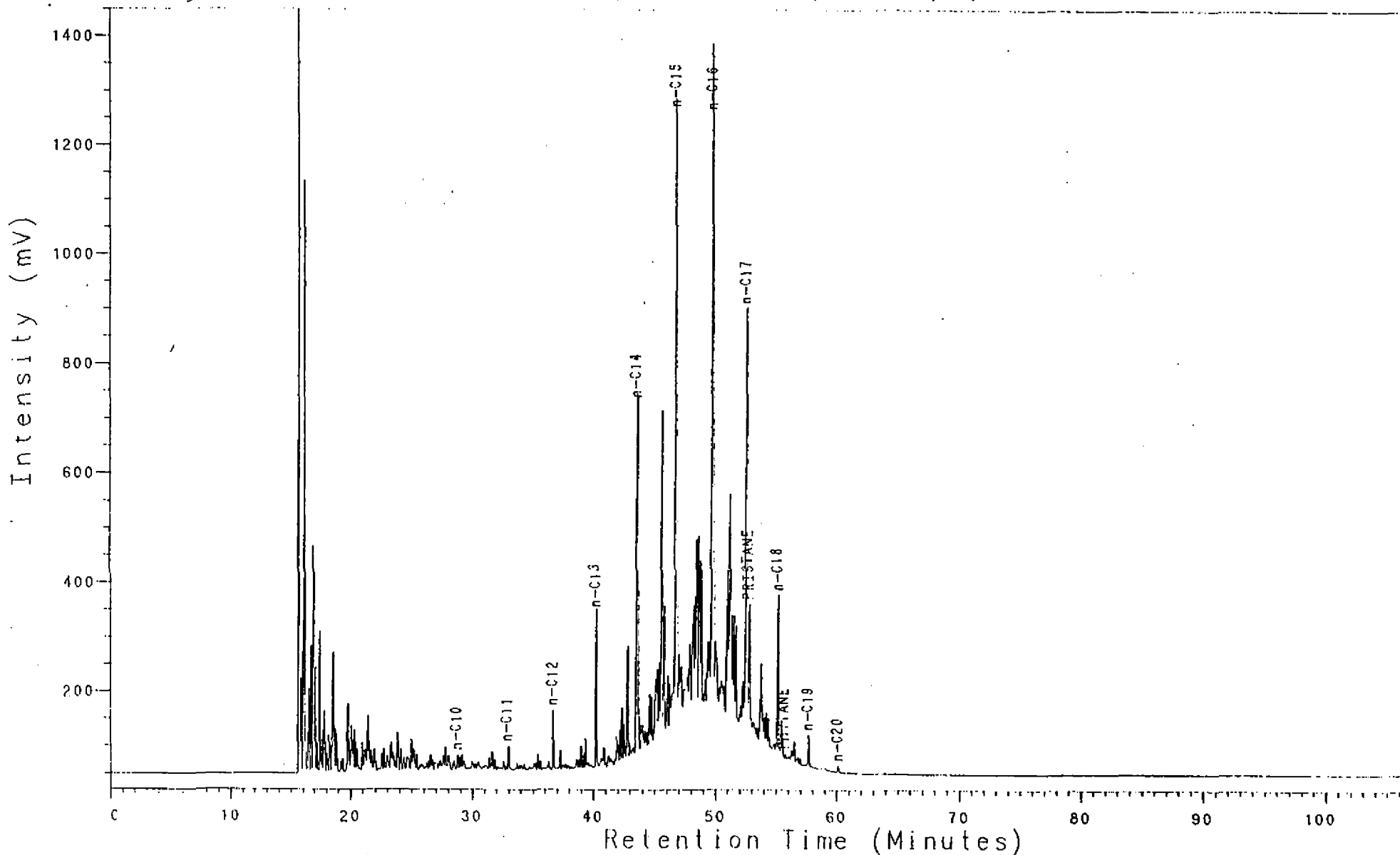
NOCS 7/8-2 2771m
THERMAL EXTRACTION GC (S1)
CLST:brn gy to ol gy, m drk gy

Analysis PC040432L 24, 1, 1 7/8-2, 2804m, S1



NOCS 7/8-2 2804m
THERMAL EXTRACTION GC (S1)
CLST:brn gy, ol gy, m drk gy

Analysis CC2432807 24, 1, 1 7/8-2, 2807m, S1

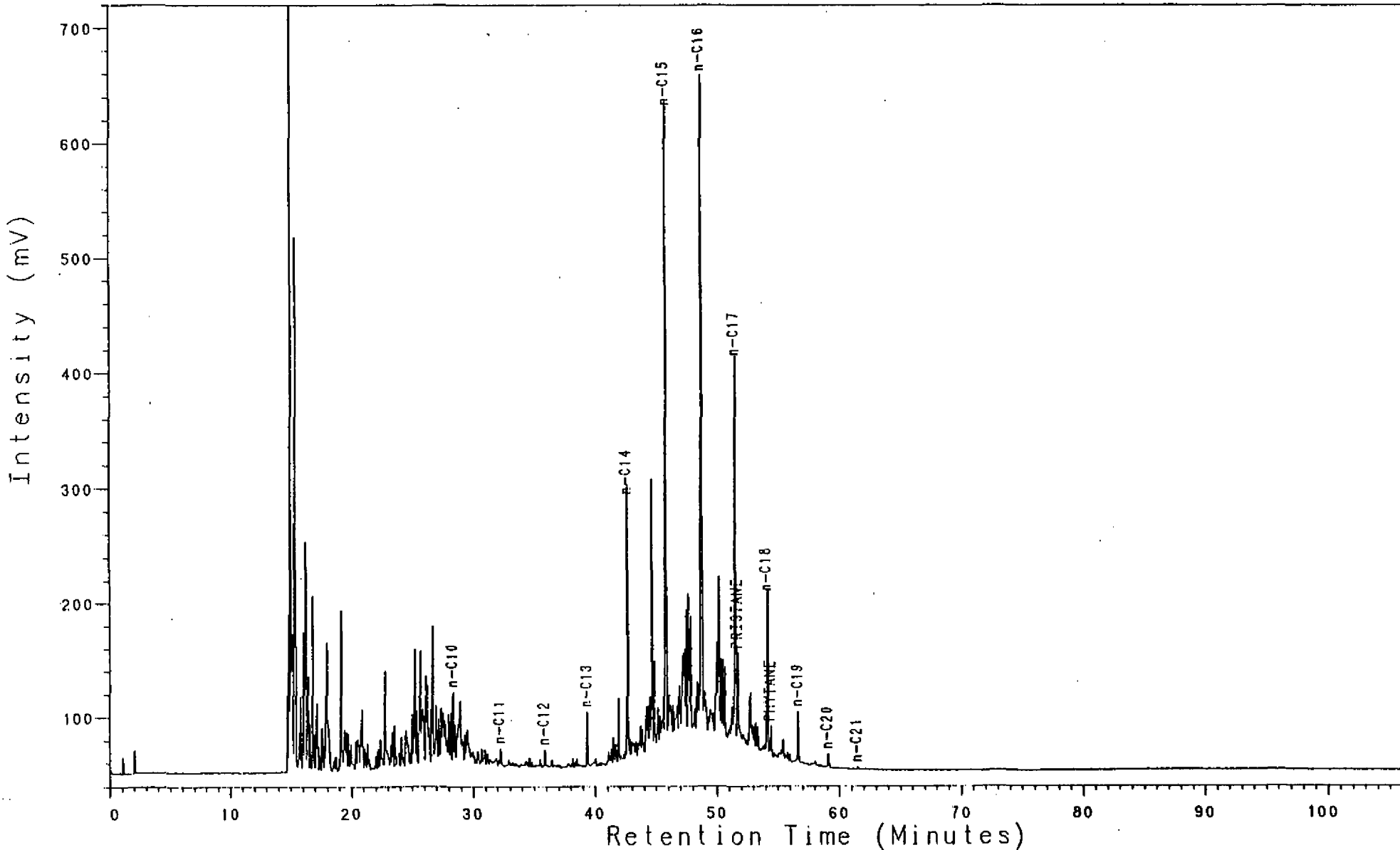


WELL 7/8-2 2807m
THERMAL EXTRACTION GC (S1)
CLST:brn gy, ol gy, m drk gy

Analysis PC040472L

24, 1, 1

7/8-2, 2822m, S1

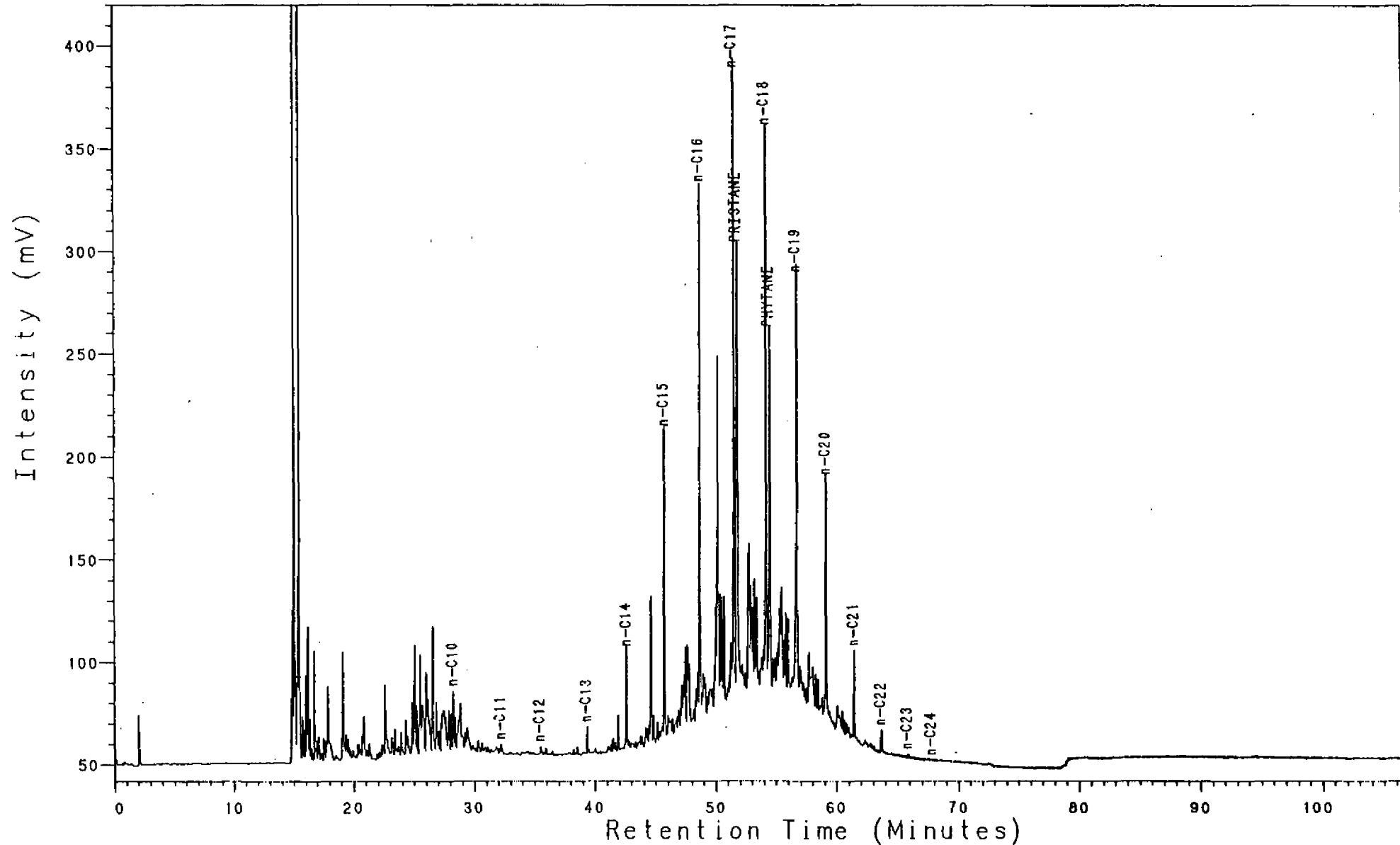


NOCS 7/8-2 2822m
THERMAL EXTRACTION GC (S1)
CLST:brn gy, gn gy, ol gy, lt
gy to m drk gy

Analysis PC040601L

24, 1, 1

7/8-2, 2932m, S1

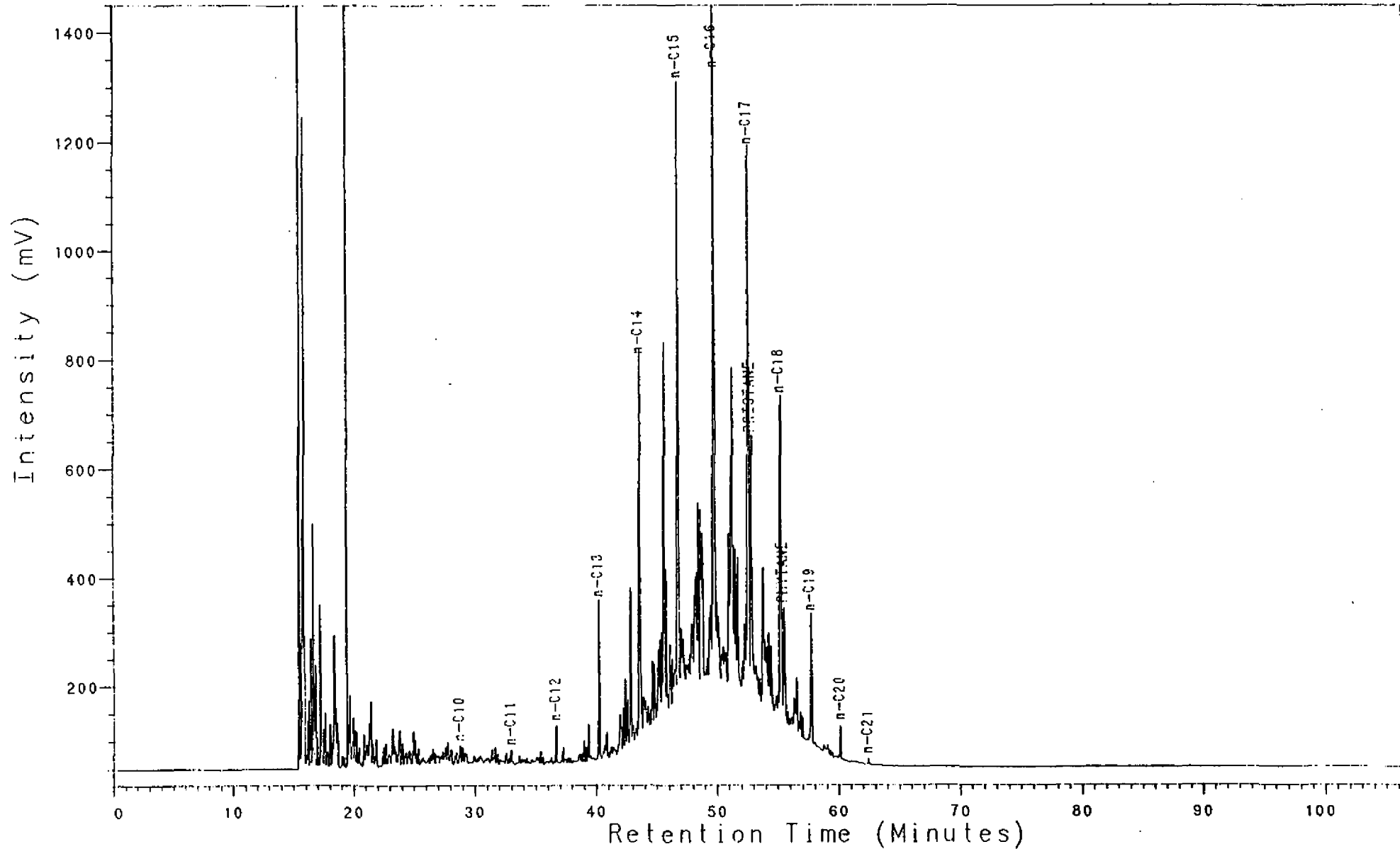


NOCS 7/8-2 2932m
THERMAL EXTRACTION GC (S1)
SST: gy pi

Analysis CC2432883

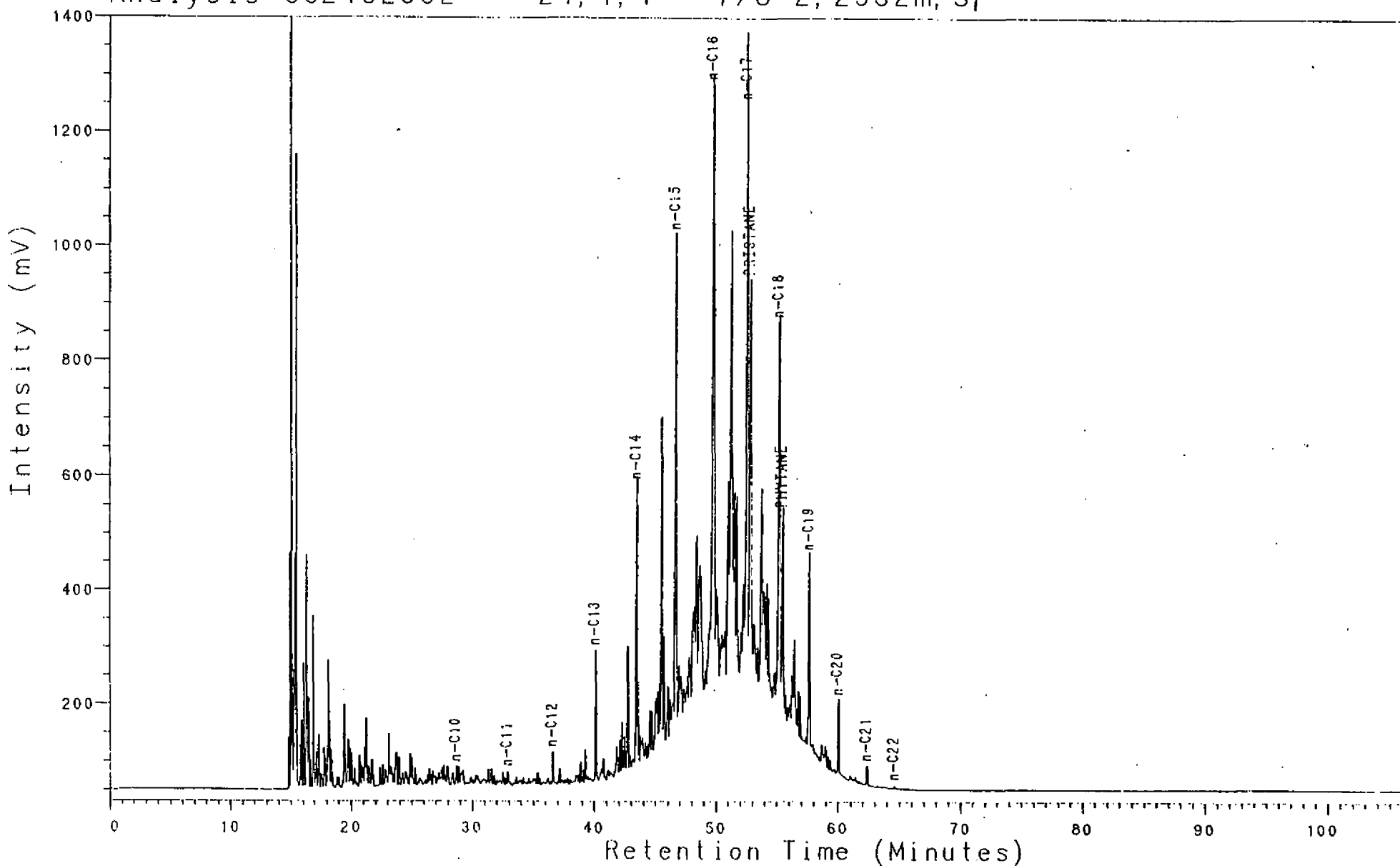
24, 1, 1

7/8-2, 2883m, S1



WELL 7/8-2 2883m
THERMAL EXTRACTION GC (S1)
CLST:brn gy, gn gy, ol gy
m drk gy

Analysis CC2432932 24, 1, 1 7/8-2, 2932m, S1

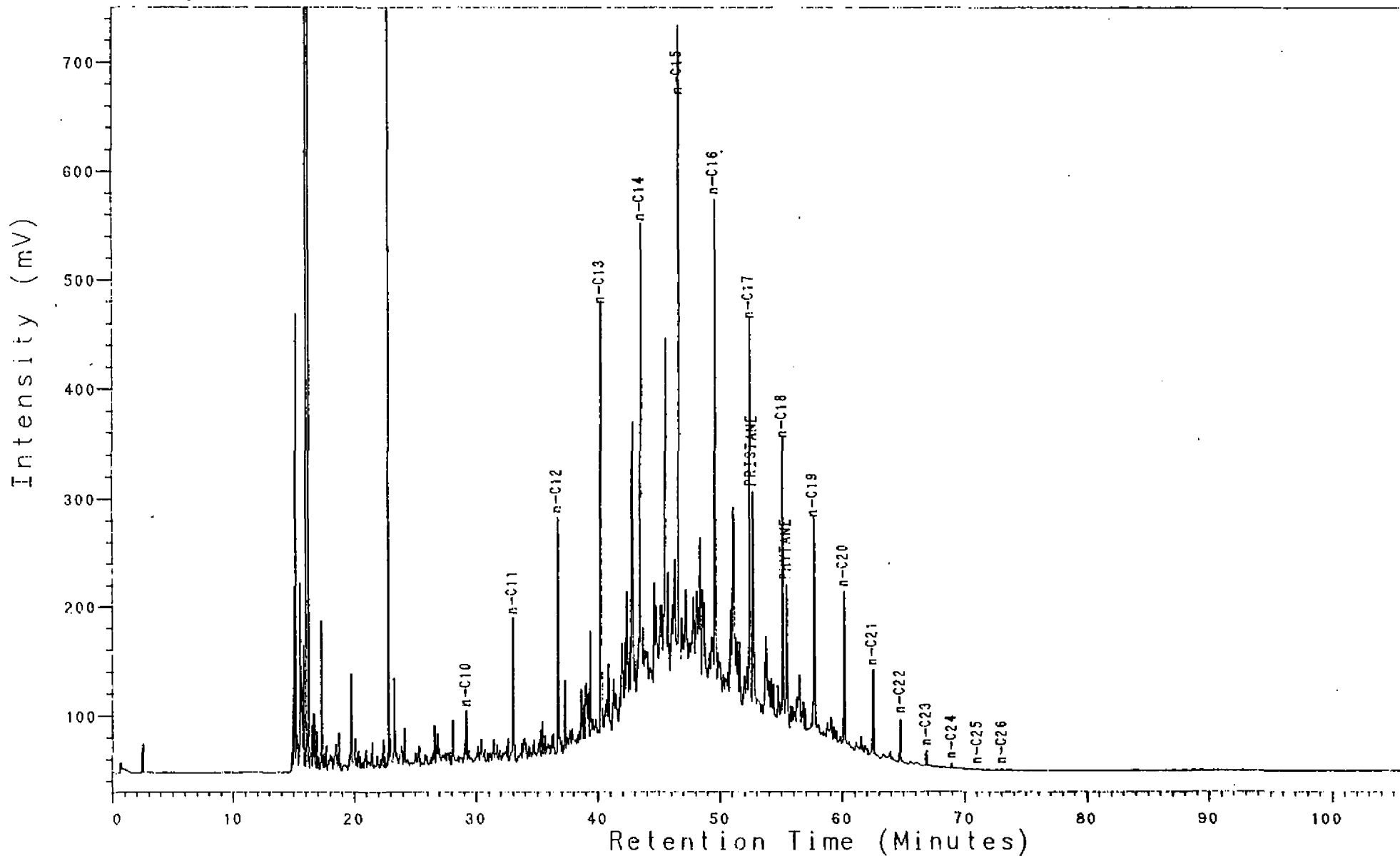


WELL 7/8-2 2932m
THERMAL EXTRACTION GC (S1)
CLST: brn gy, gn gy, ol gy
lt gy to m gy

Analysis CC2432963

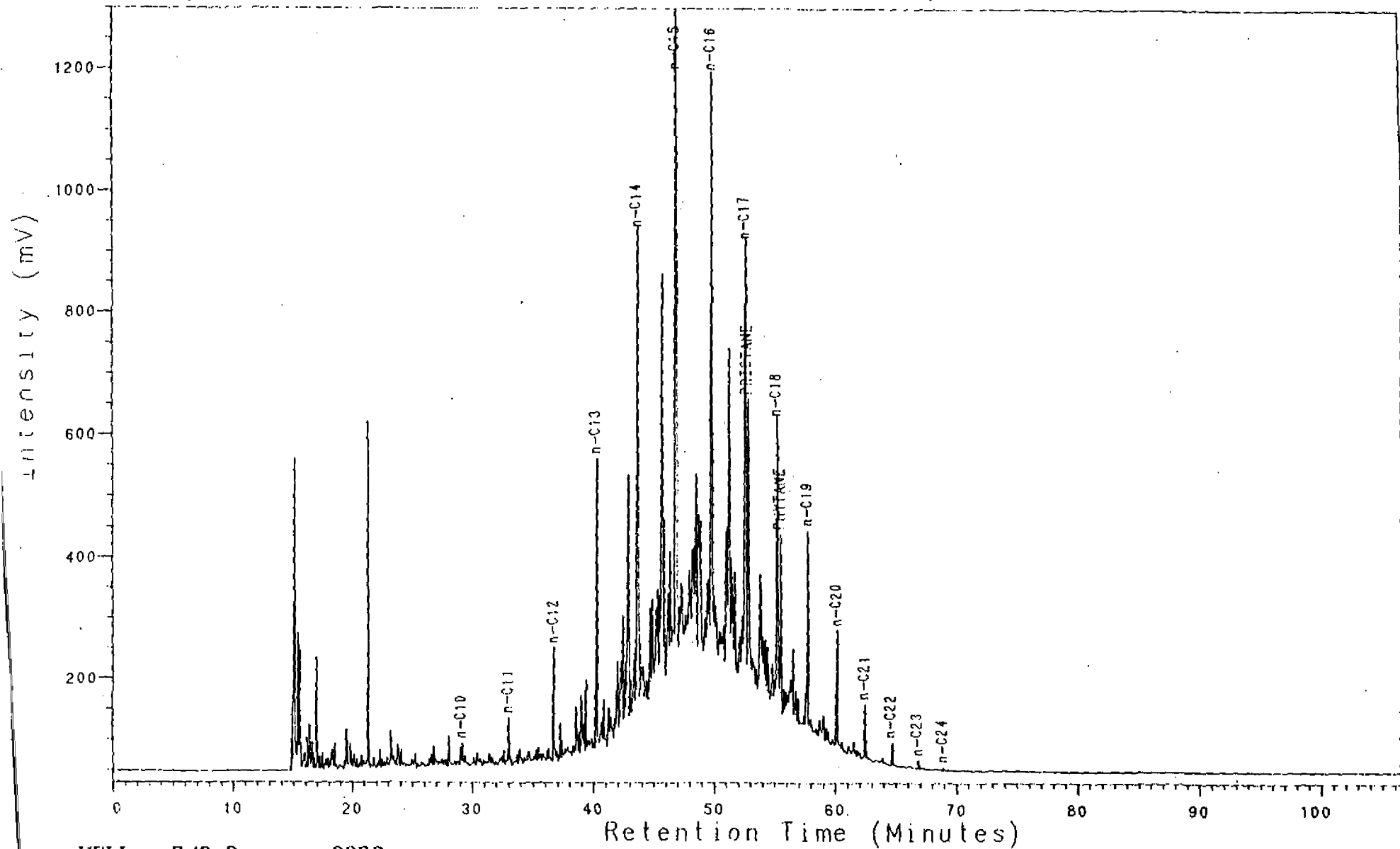
24, 1, 1

7/8-2, 2963m, S1



WELL 7/8-2 2963m
THERMAL EXTRACTION GC (S1)
CLST: gy blk to m drk gy

Analysis CC2432972 24, 1, 1 7/8-2, 2972m, S1

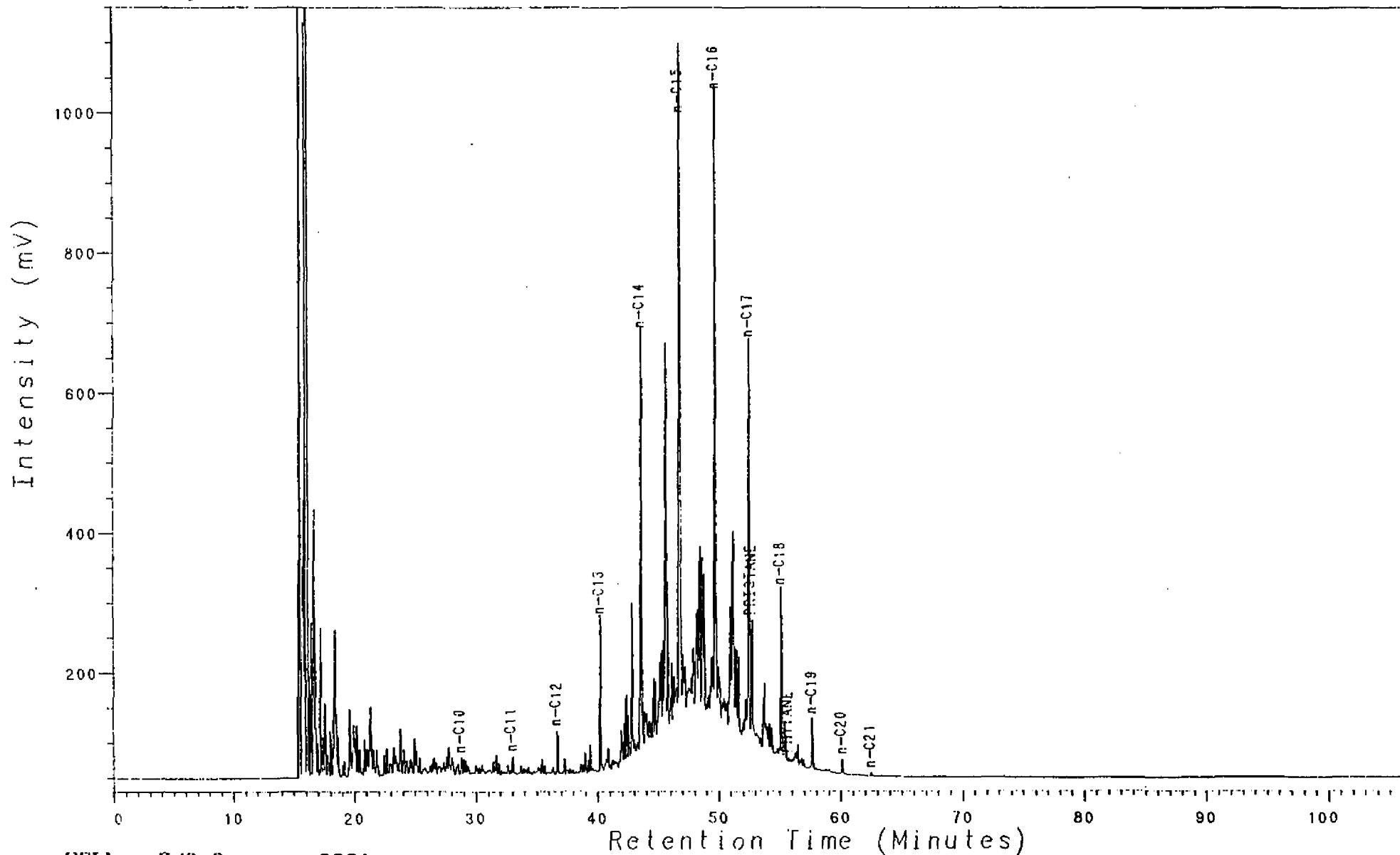


WELL 7/8-2 2972m
THERMAL EXTRACTION GC (S1)
CLST: gy blk to m drk gy

Analysis CC2432981

24, 1, 1

7/8-2, 2981m, S1

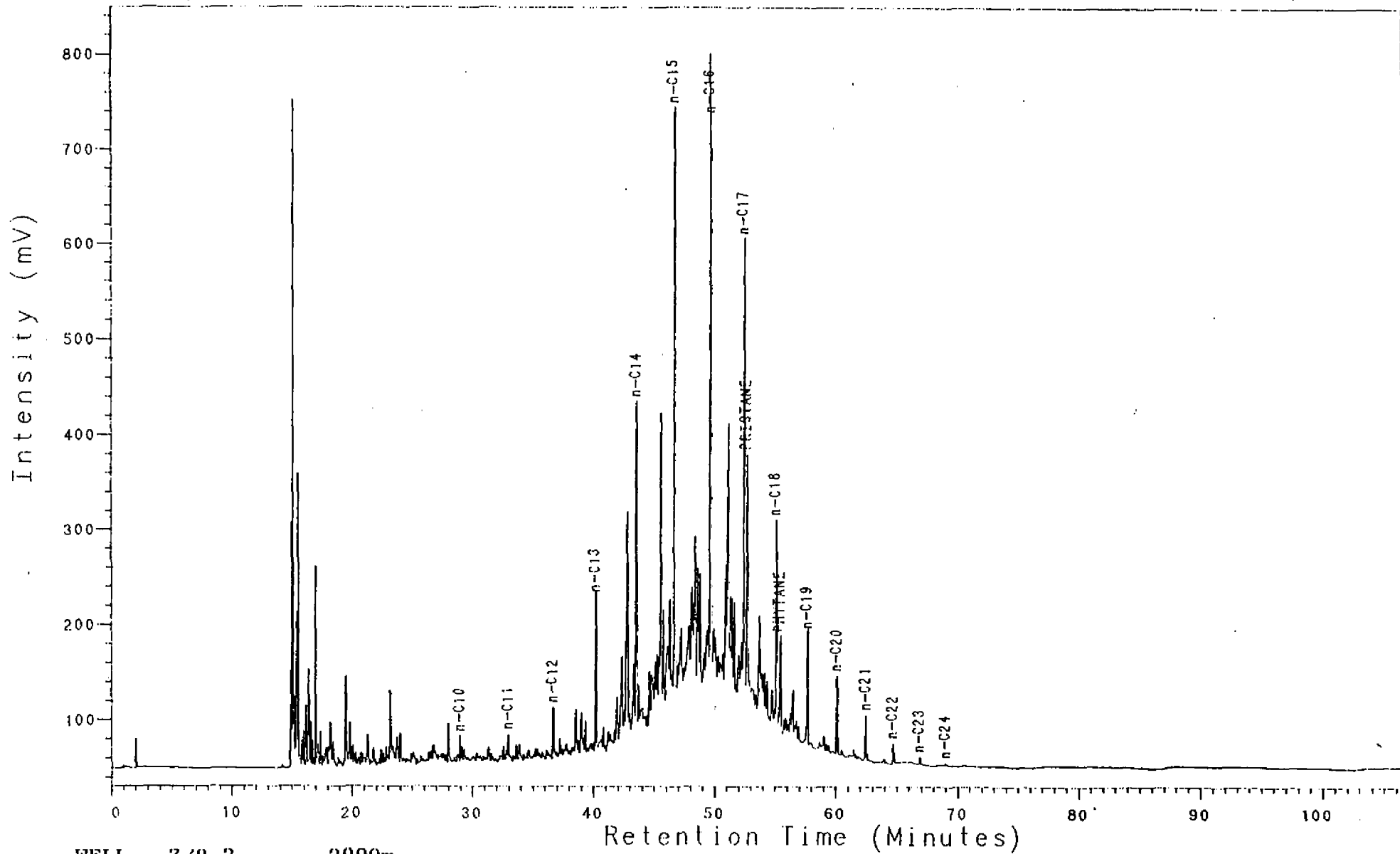


WELL 7/8-2 2981m
THERMAL EXTRACTION GC (S1)
CLST: brn gy, ol gy, m gy to
m drk gy

Analysis CC2432990

24, 1, 1

7/8-2, 2990m, S1

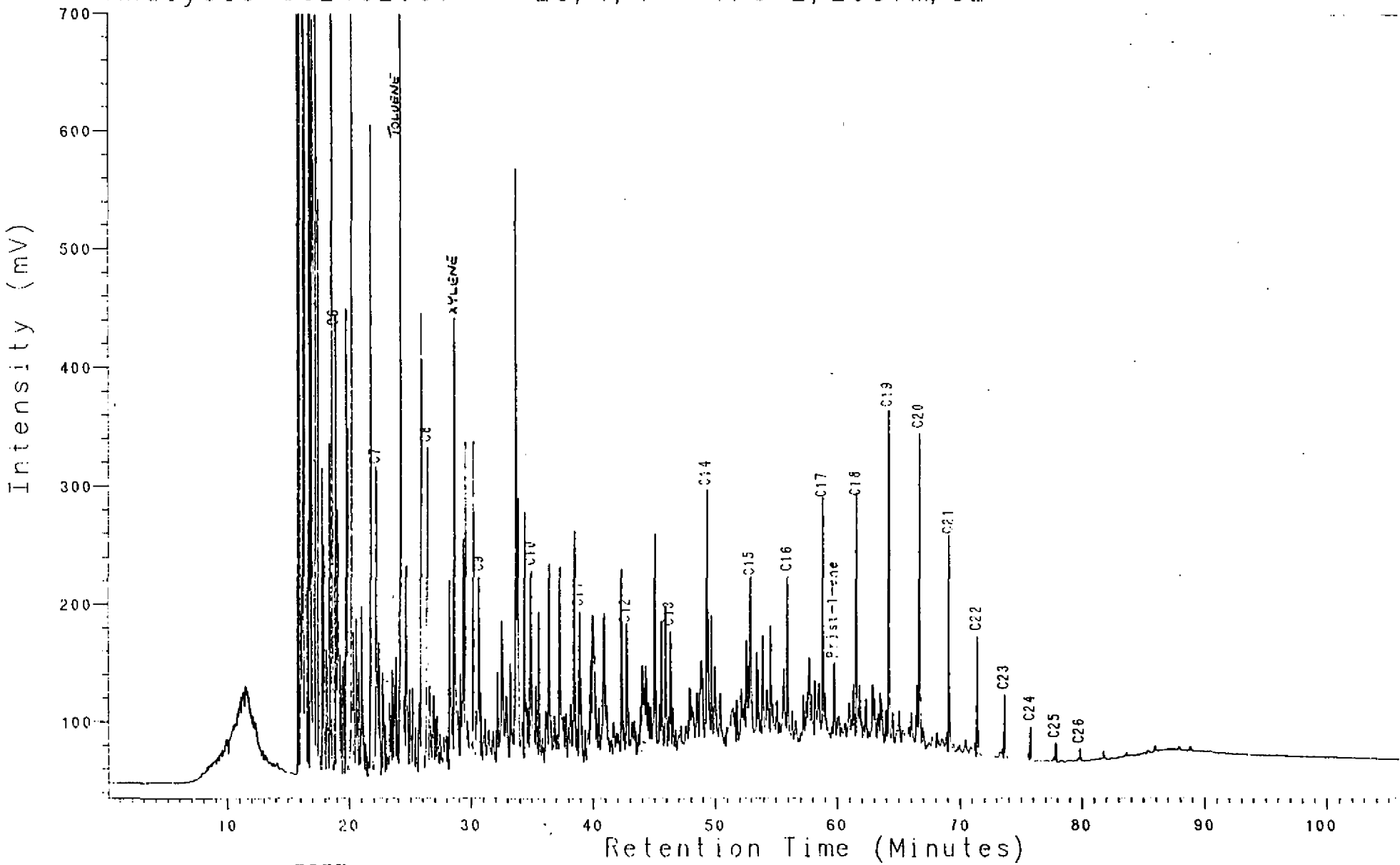


WELL 7/8-2 2990m
THERMAL EXTRACTION GC (S1)
CLST:gy blk to m drk gy

Analysis CC2432057

23, 1, 1

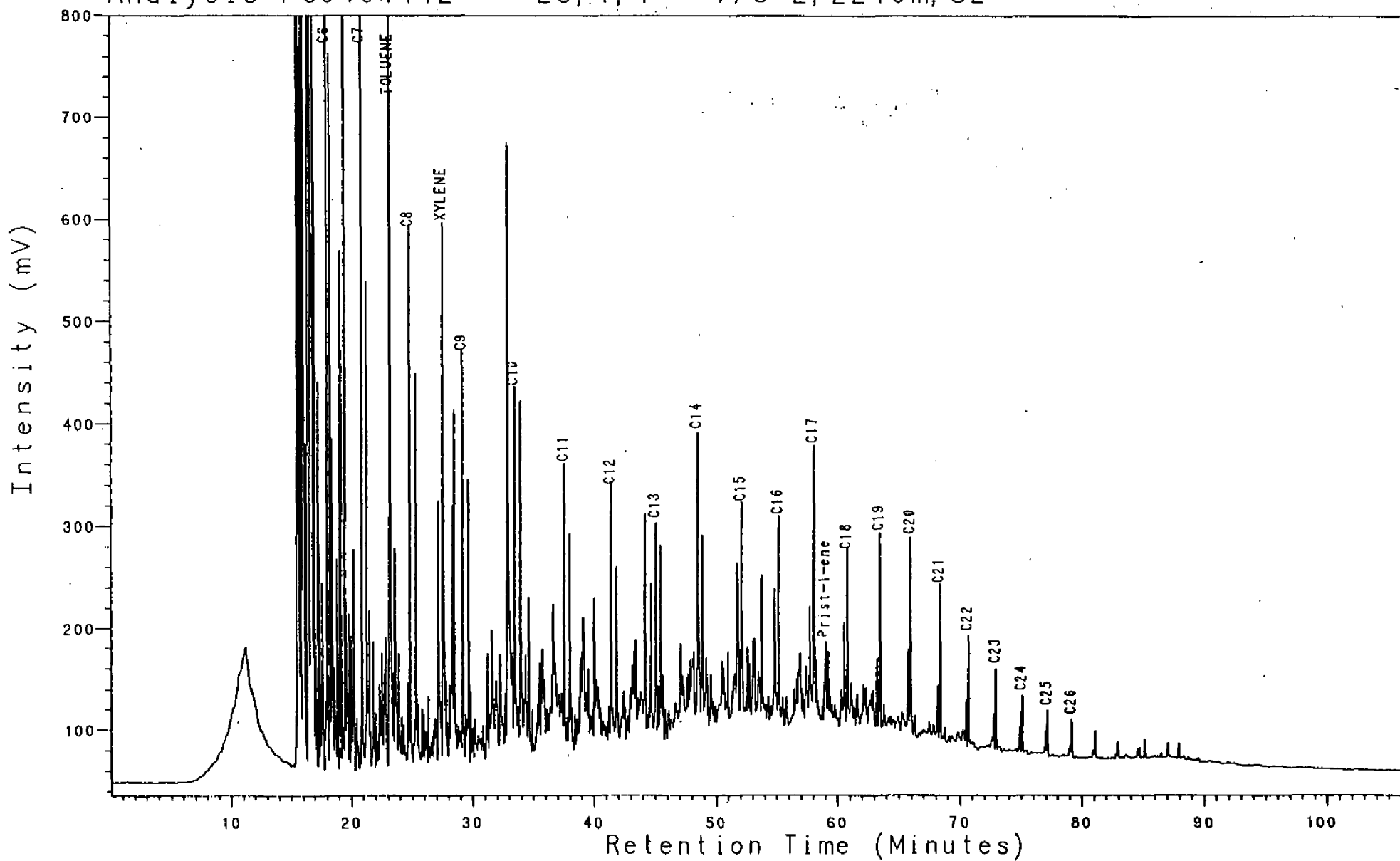
7/8-2, 2057m, S2



WELL 7/8-2 2057m
PYROLYSIS GC (S2)
CLST:brn gy to brn blk

Analysis PC040111L

23, 1, 1 7/8-2, 2210m, S2

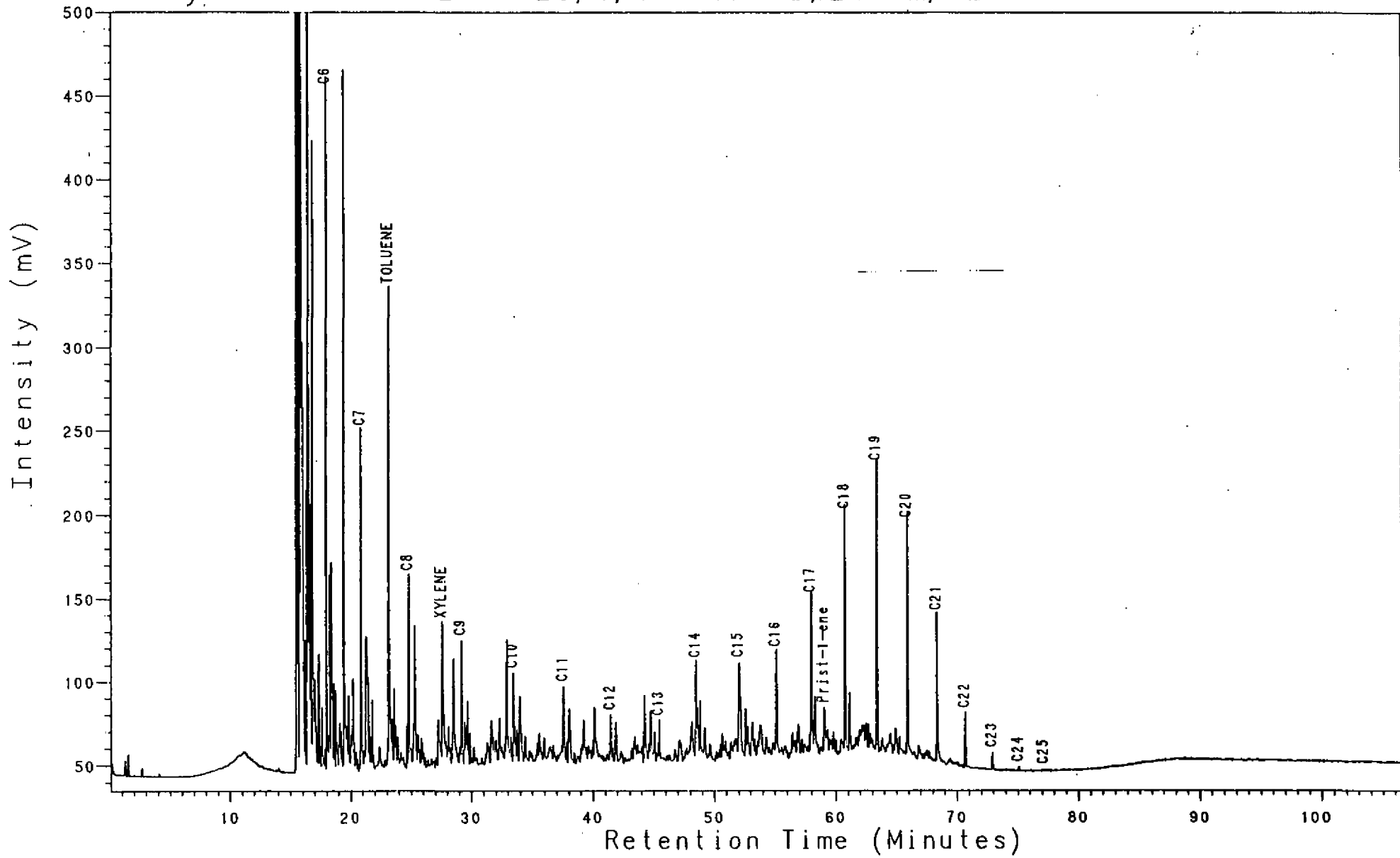


NOCS 7/8-2 2210m
PYROLYSIS GC (S2)
CLST:brn gy to brn blk,

○ m drk gy

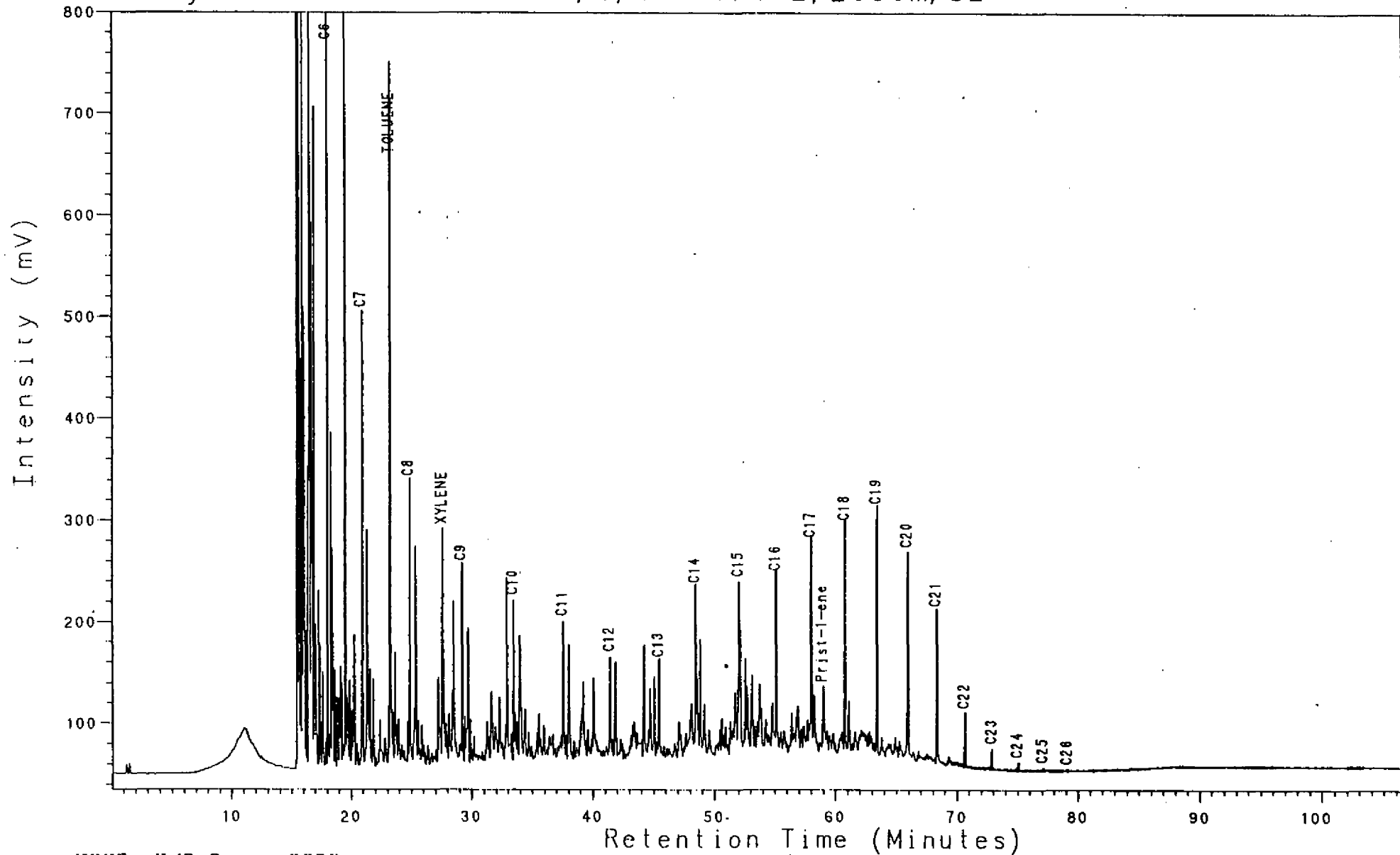
Analysis PC040142L

23, 1, 1 7/8-2, 2438m, S2



NOCS 7/8-2 2438m
PYROLYSIS GC (S2)
CLST:gn gy, ol gy, m gy

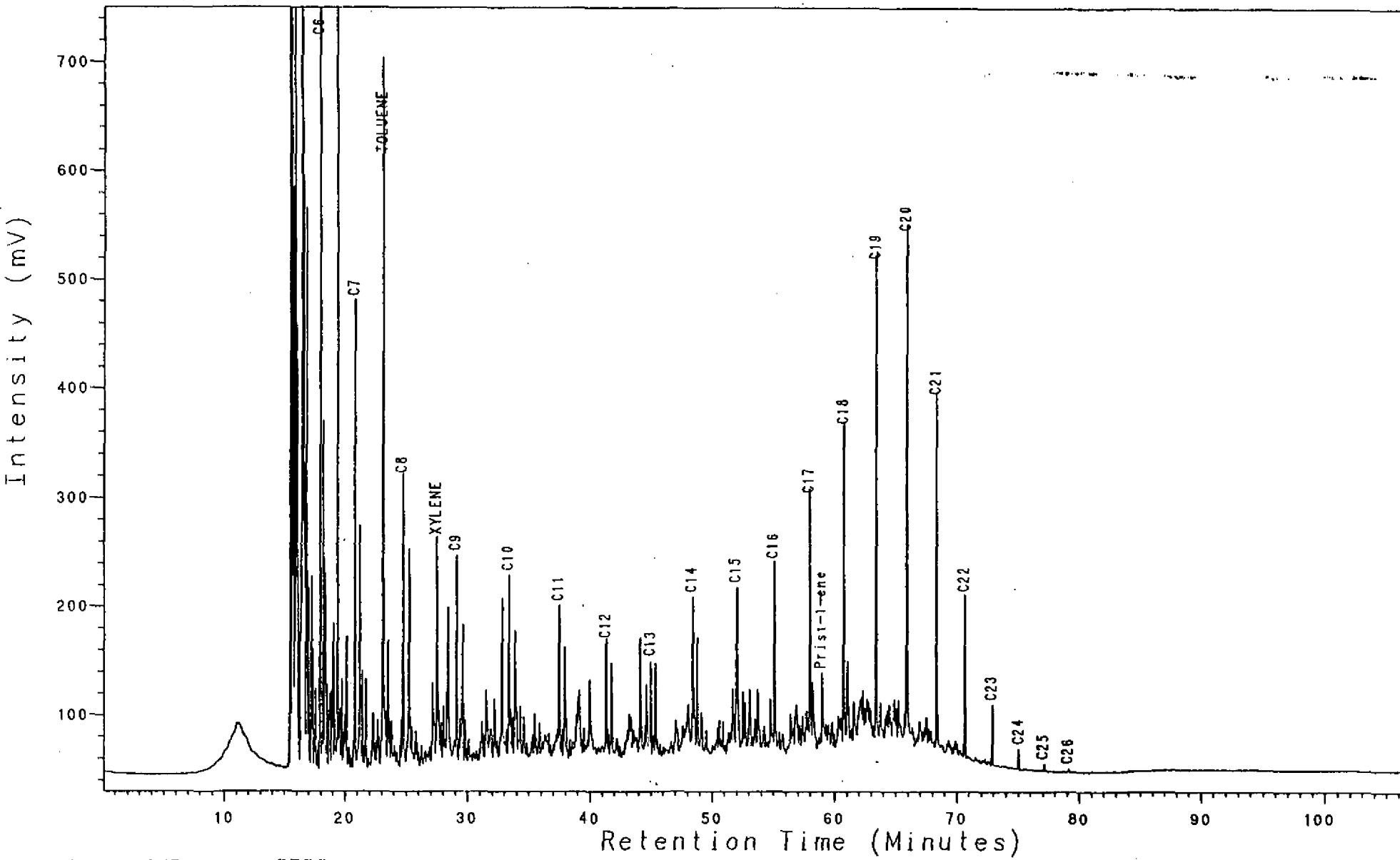
Analysis PC040172L 23, 1, 1 7/8-2, 2636m, S2



NOCS 7/8-2 2636m
PYROLYSIS GC (S2)
CLST:gn gy, ol gy, lt brn gy,
m drk gy

Analysis PC040212L

23, 1, 1 7/8-2, 2700m, S2

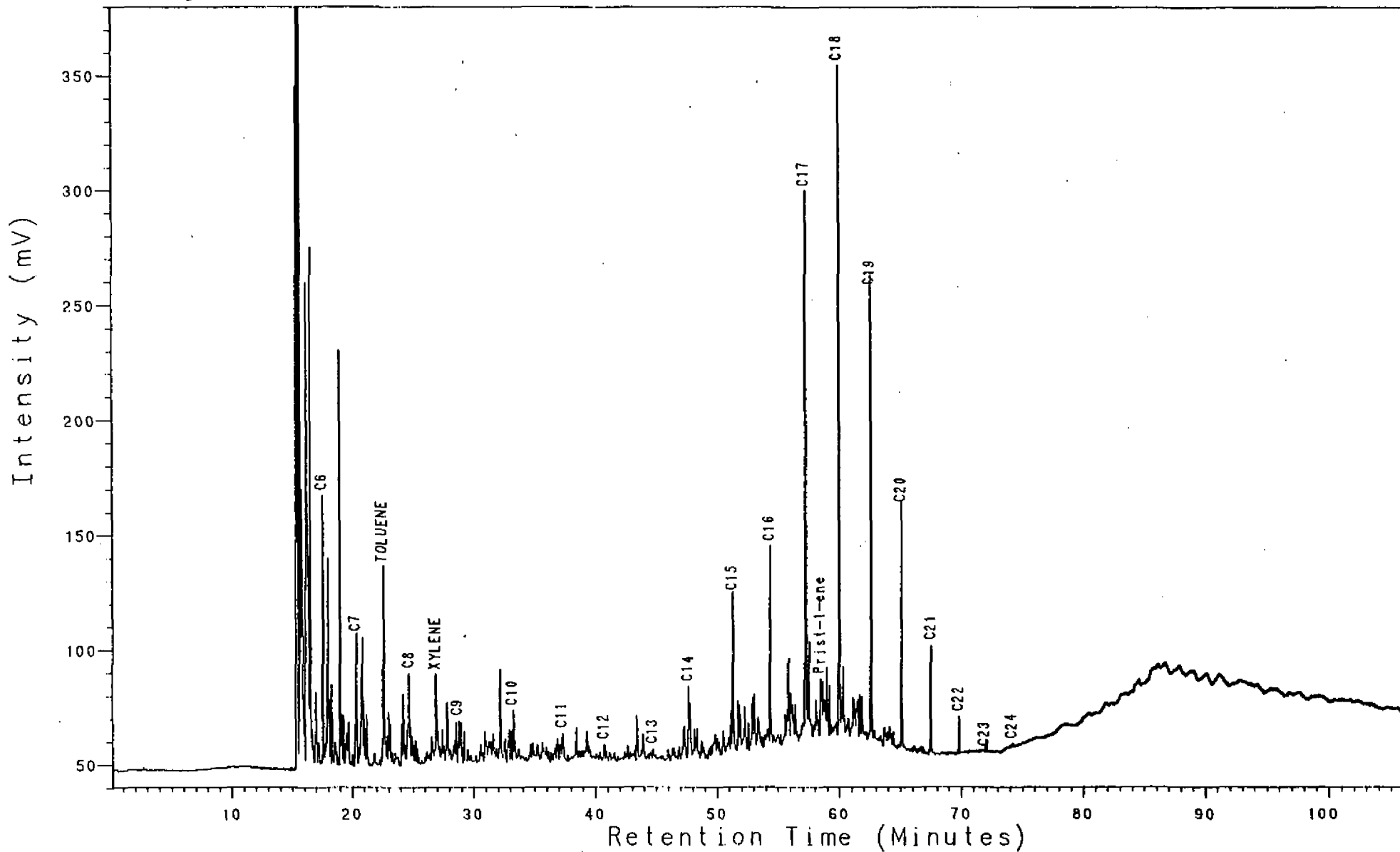


NOCS 7/8-2 2700m
PYROLYSIS GC (S2)
CLST:brn gy to ol gy, lt gy to
m drk gy

Analysis PC040213L

23, 1, 1

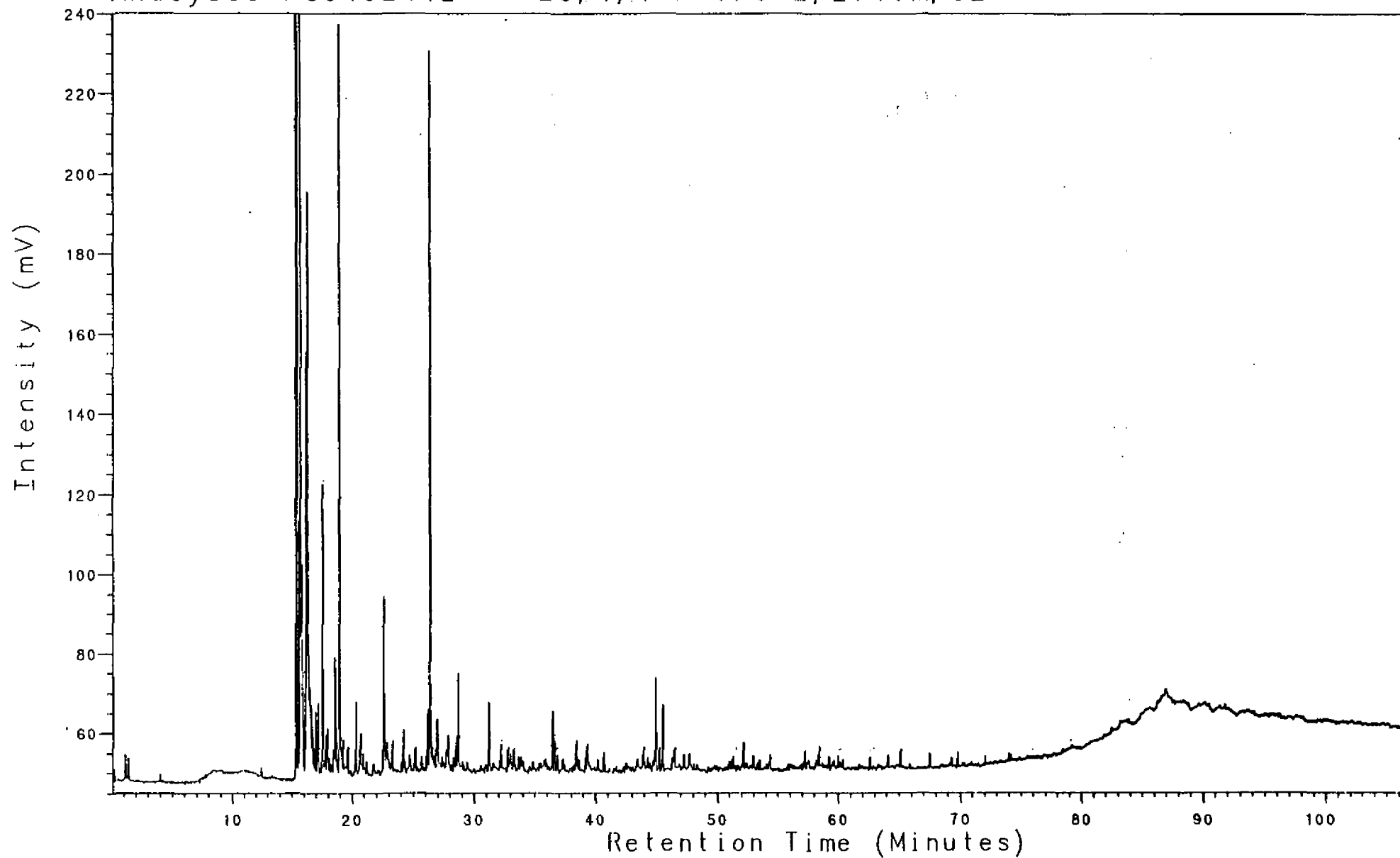
7/8-2, 2700m, S2



NOCS 7/8-2 2700m
PYROLYSIS GC (S2)
CLST:dsk red

Analysis PC040241L

23, 1, 1 7/8-2, 2710m, S2

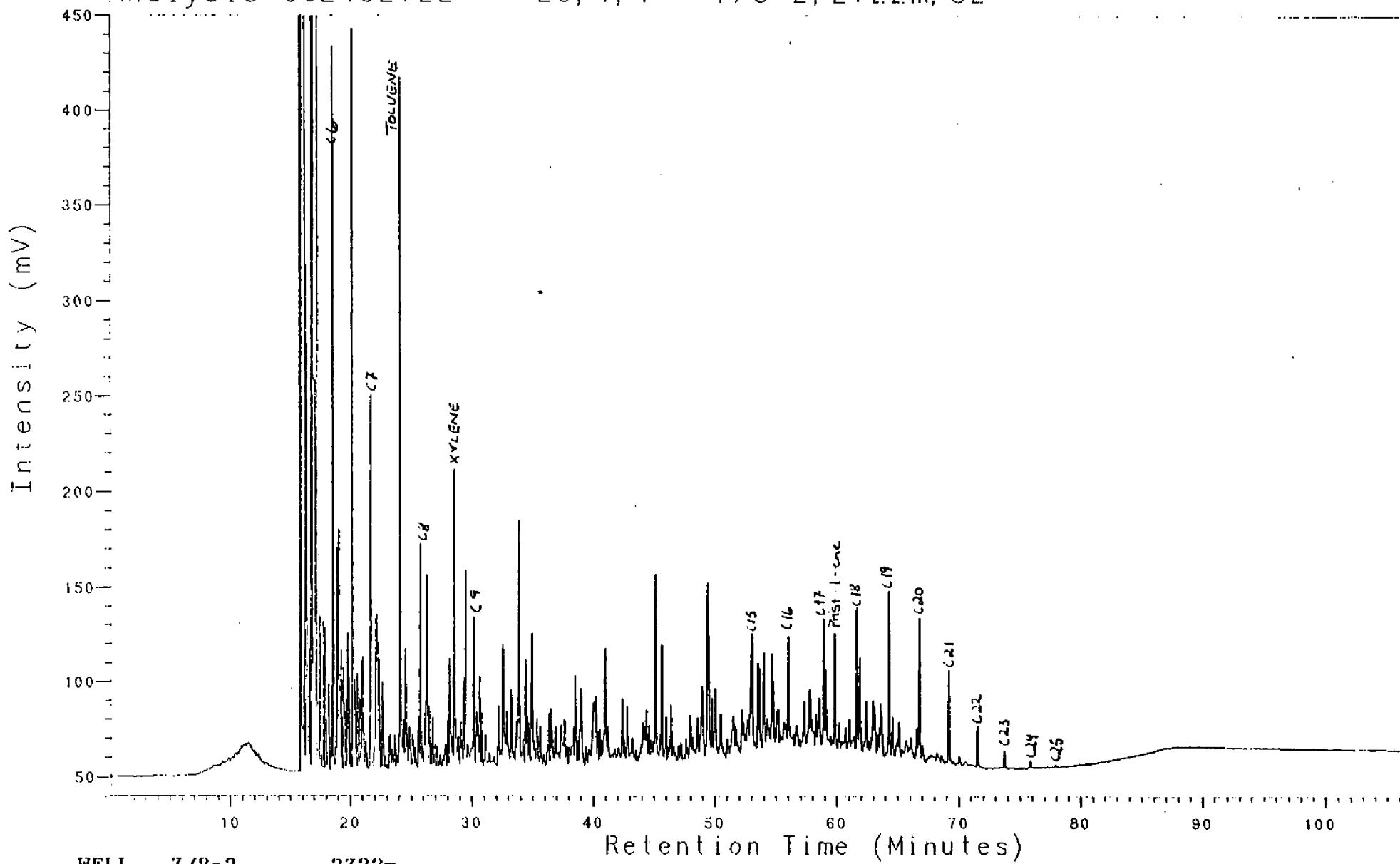


NOCS 7/8-2 2710m
PYROLYSIS GC (S2)
CA:w to gy pi

Analysis CC2432722

23, 1, 1

7/8-2, 2722.m, S2

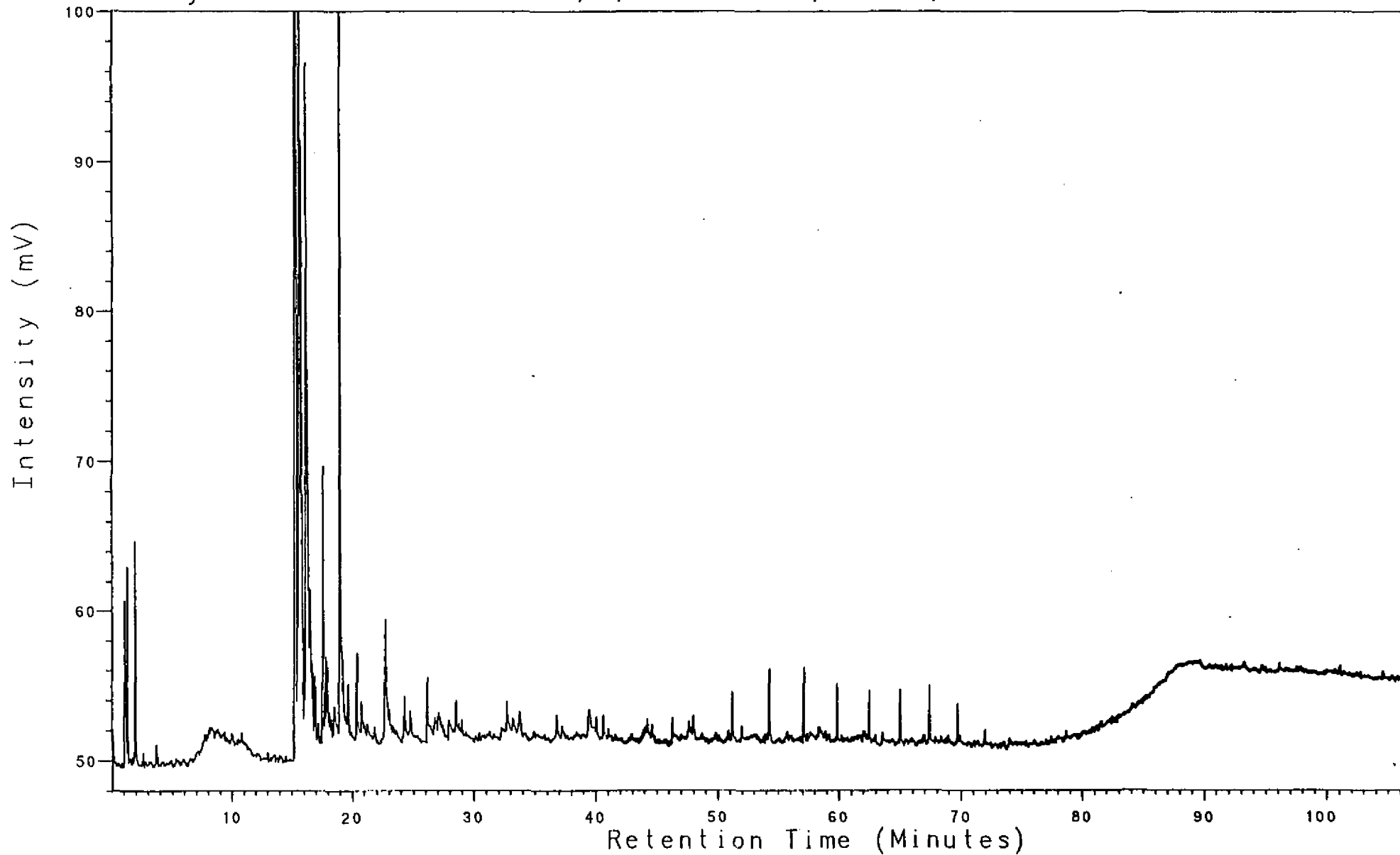


WELL 7/8-2 2722m
PYROLYSIS GC (S2)
CLST:brn gy to gy pi, lt gy to
m drk gy

Analysis PC040321L

23, 1, 1

7/8-2, 2737m, S2

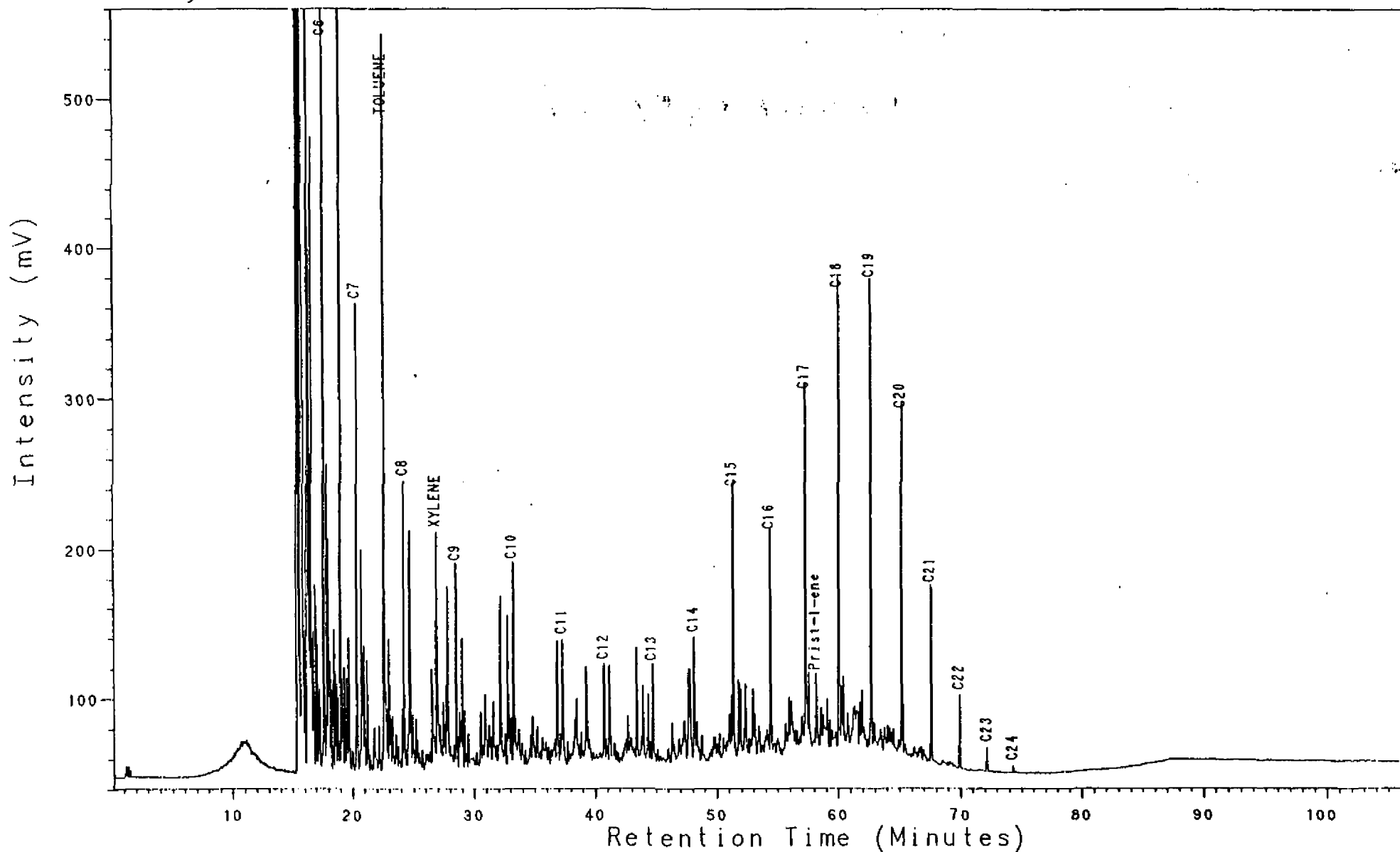


NOCS 7/8-2 2737m
PYROLYSIS GC (S2)
CA:w to gy pi

Analysis PC040332L

23, 1, 1

7/8-2, 2746m, S2

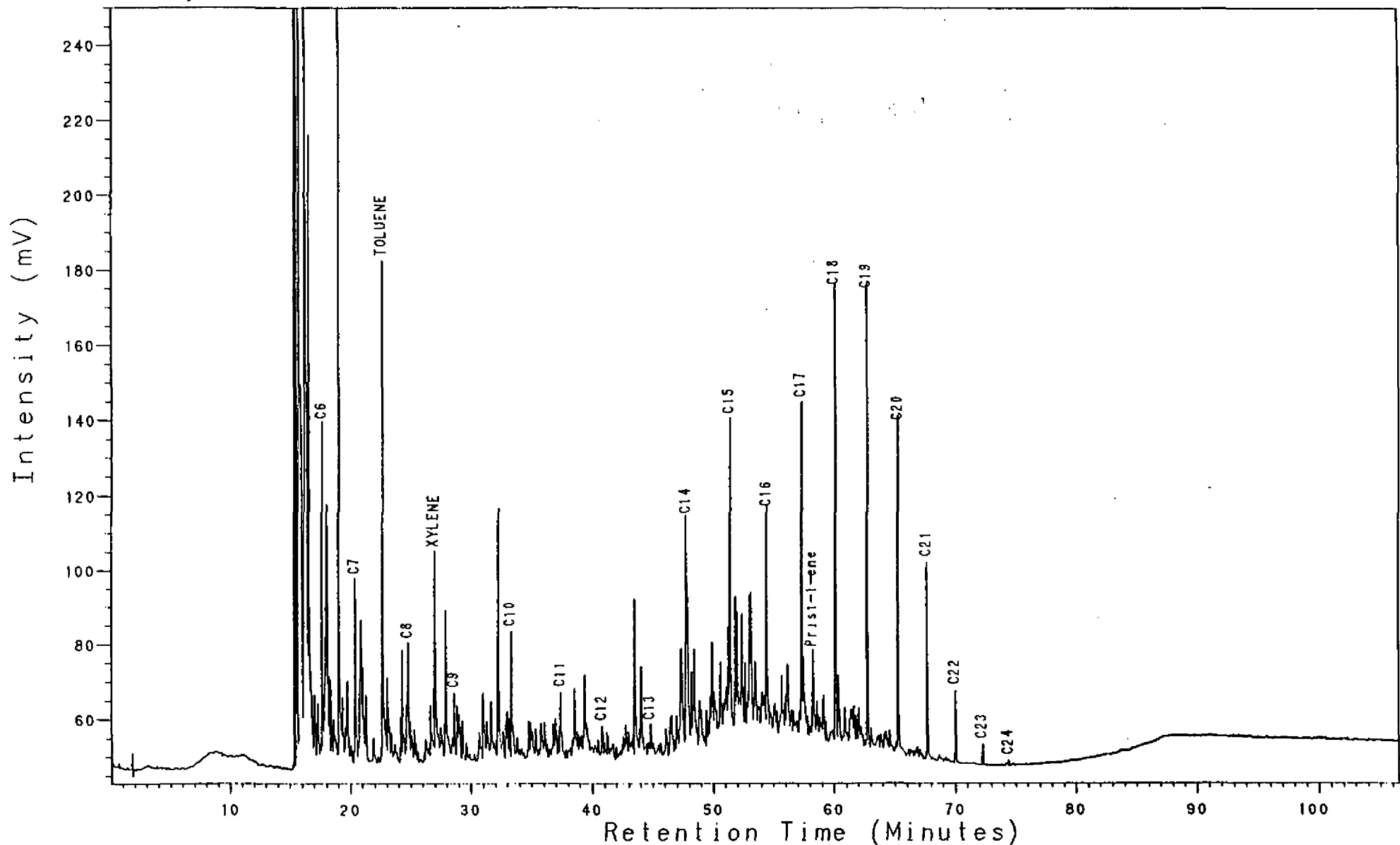


NOCS 7/8-2 2746m
PYROLYSIS GC (S2)
CLST:lt ol gy, m gy to m drk

Analysis PC040352L

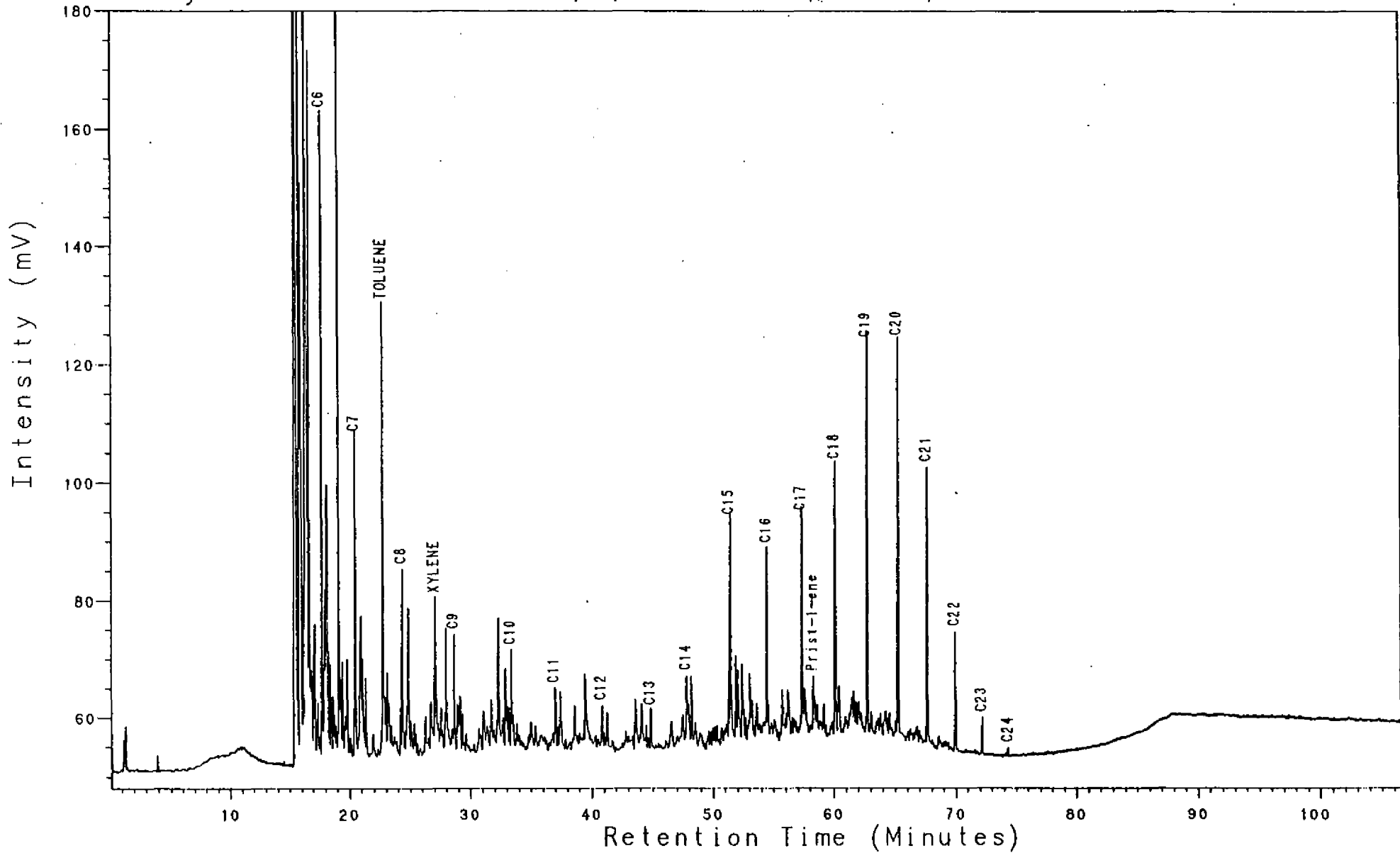
23, 1, 1

7/8-2, 2758m, S2



NOCS 7/8-2 2758m
PYROLYSIS GC (S2)
CLST:ol gy to lt ol gy, m gy
to m drk gy

Analysis PC040372L 23, 1, 1 7/8-2, 2771m, S2

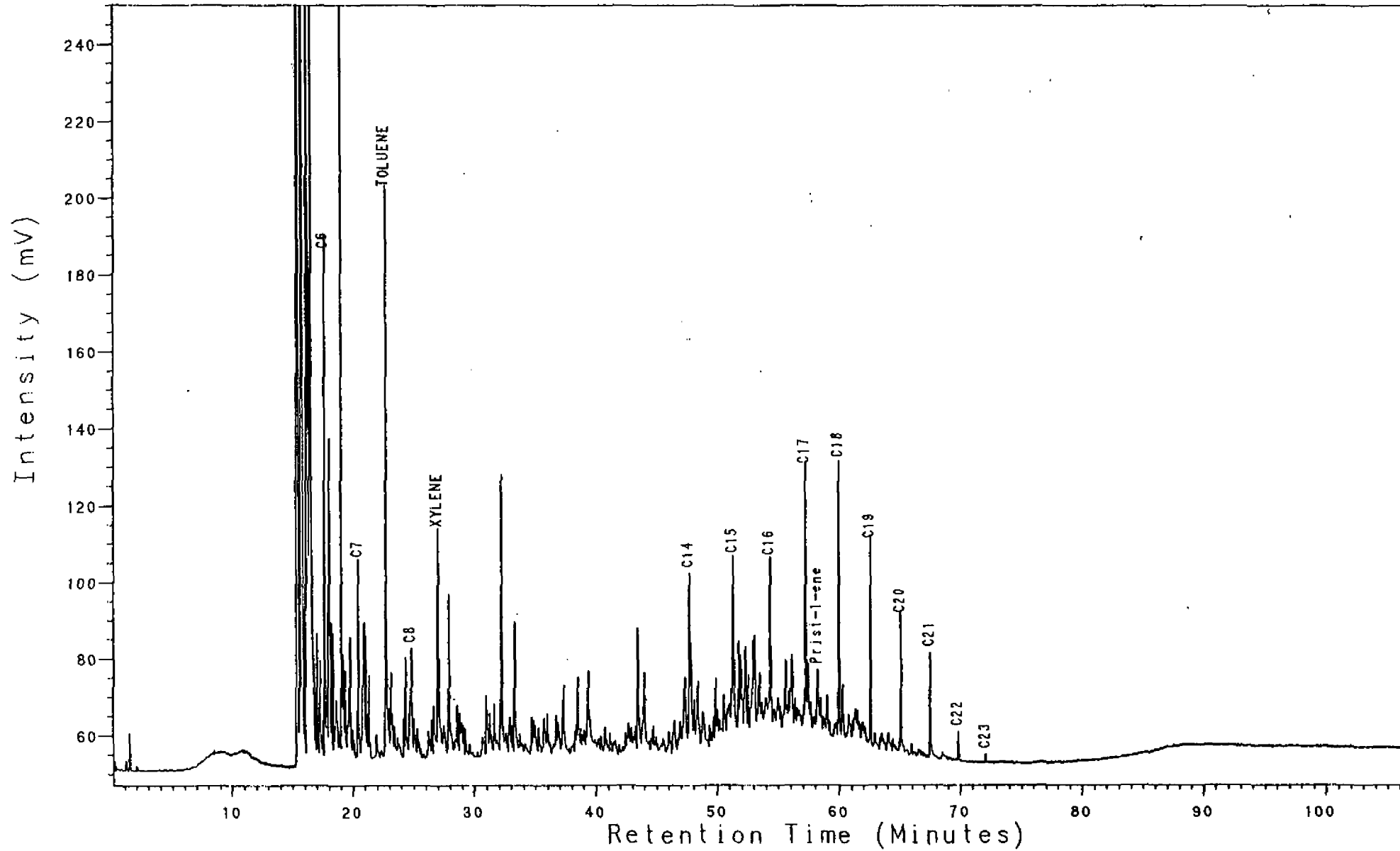


NOCS 7/8-2 2771m
PYROLYSIS GC (S2)
CLST:brn gy to ol gy, m drk gy

Analysis PC040432L

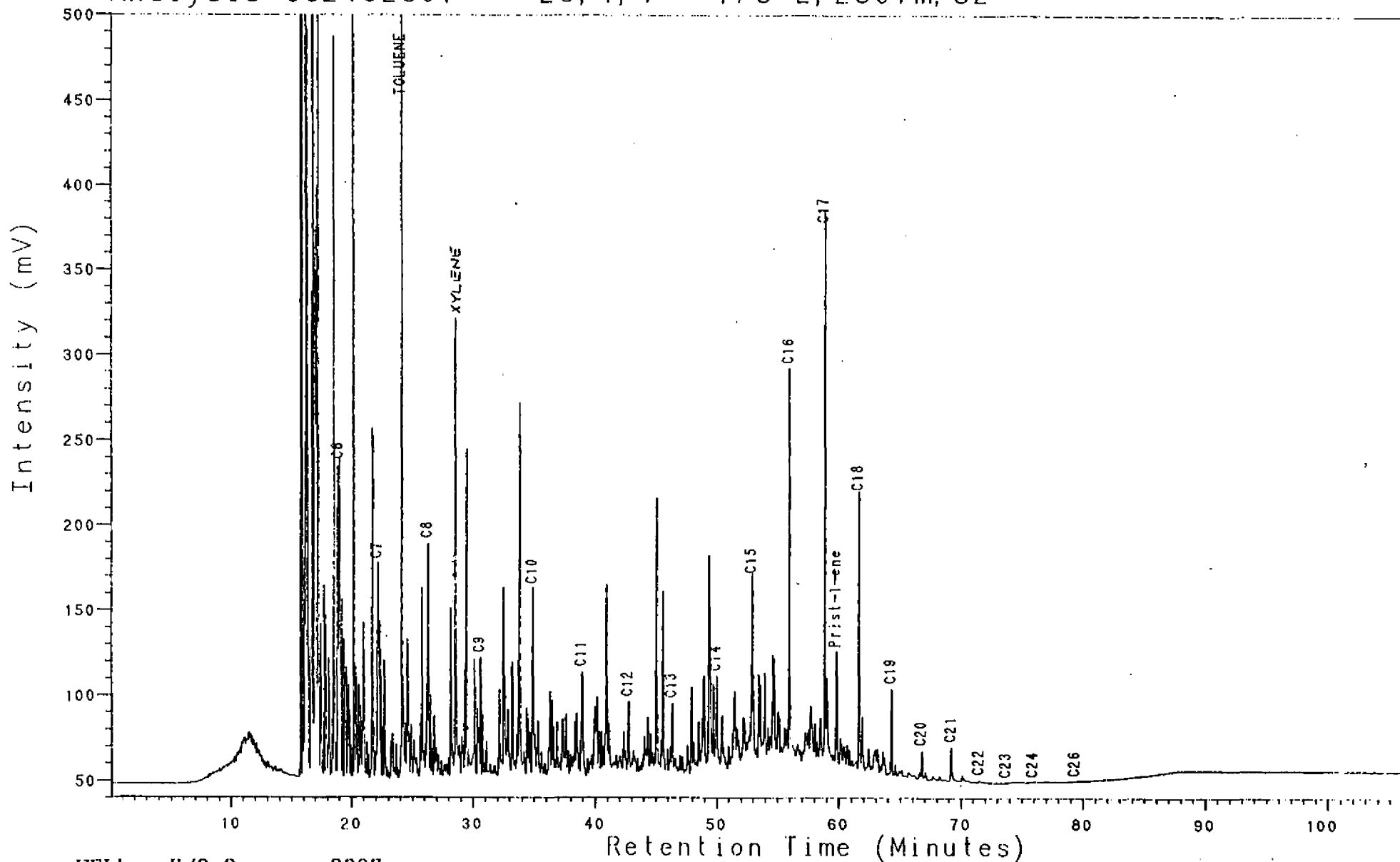
23, 1, 1

7/8-2, 2804m, S2



NOCS 7/8-2 2804m
PYROLYSIS GC (S2)
CLST:brn gy, ol gy, m drk gy

Analysis CC2432807 23, 1, 1 7/8-2, 2807m, S2

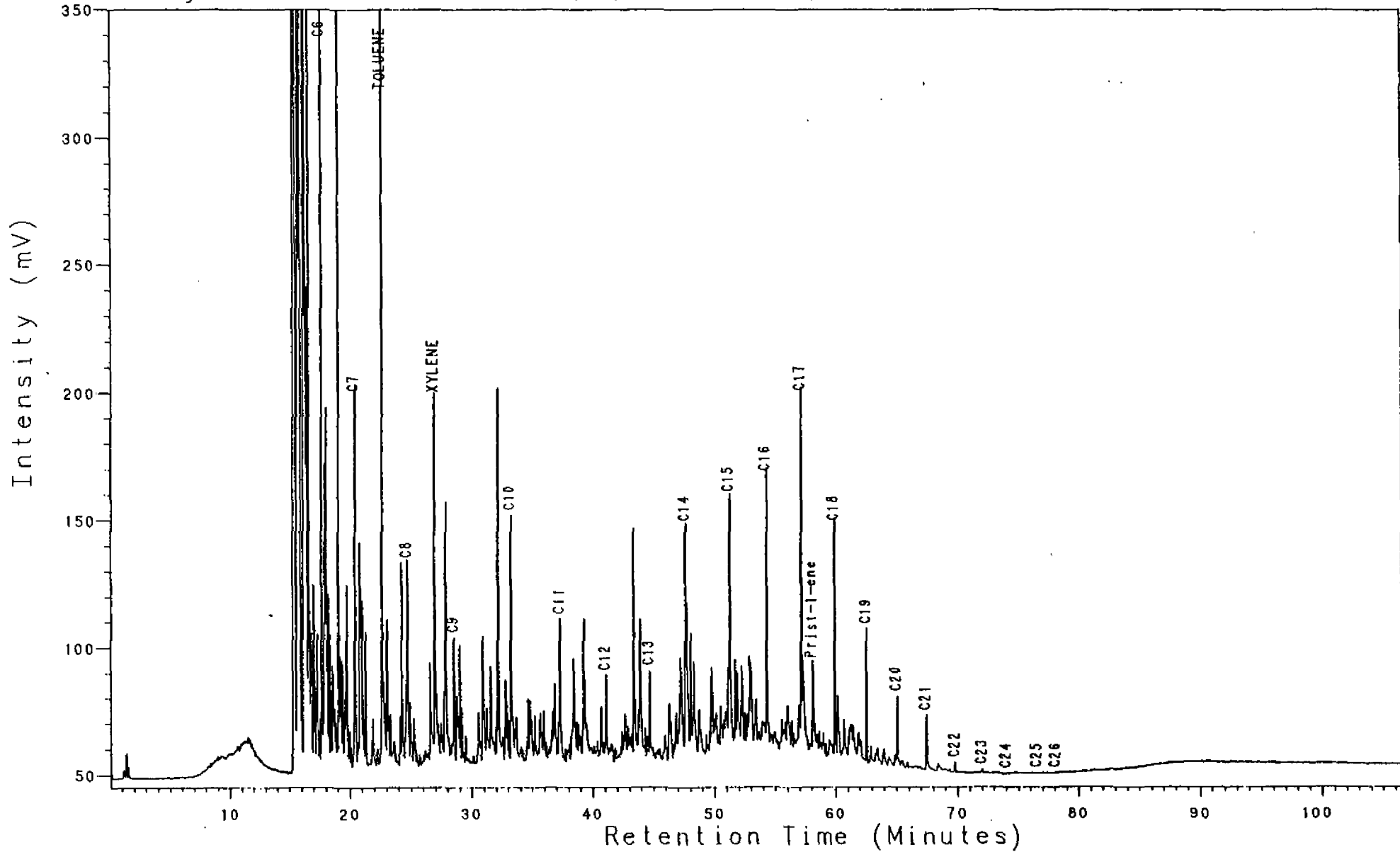


WELL 7/8-2 2807m
PYROLYSIS GC (S2)
CLST:brn gy, ol gy, m drk gy

Analysis PC040472L

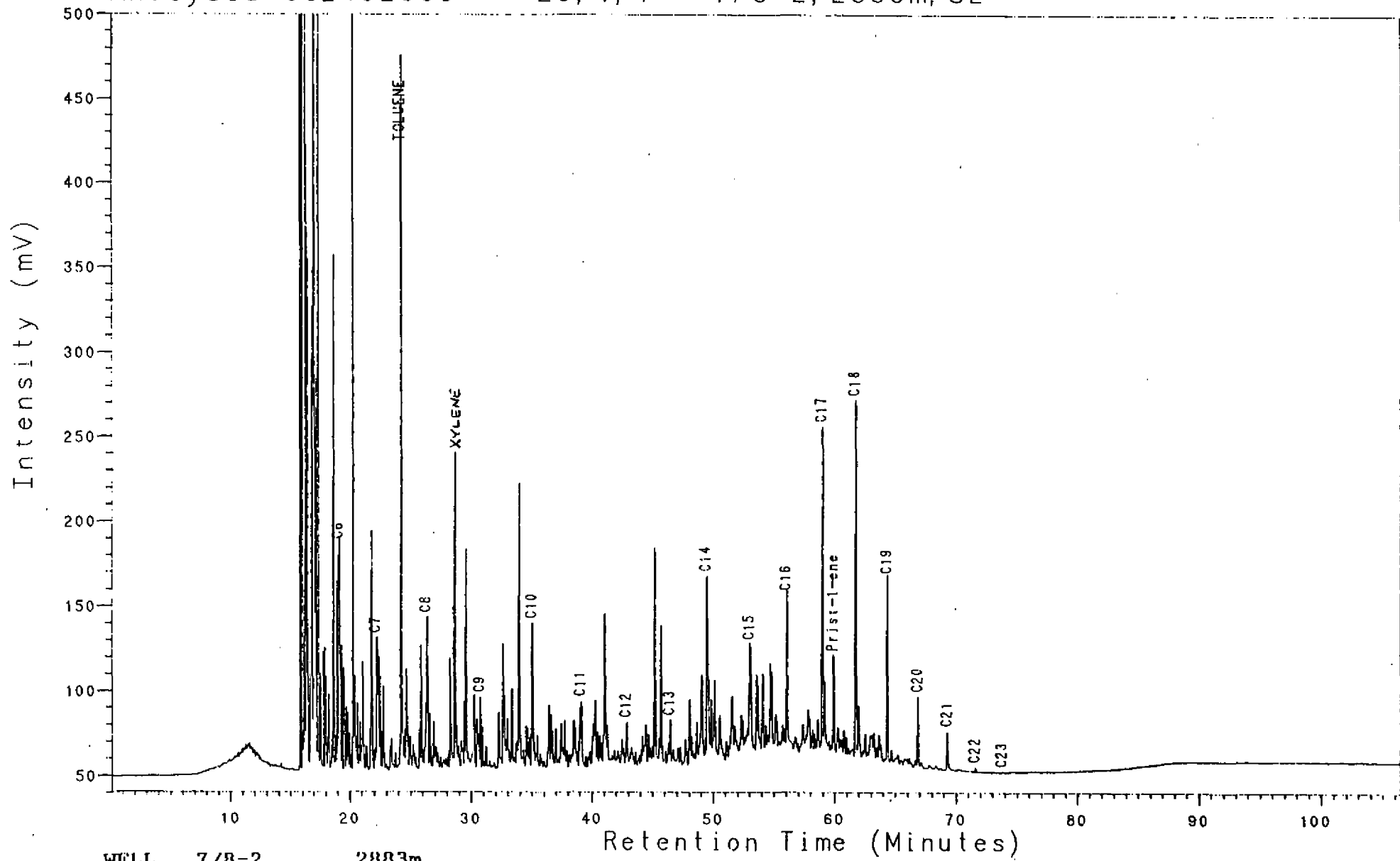
23, 1, 1

7/8-2, 2822m, S2



NOCS 7/8-2 2822m
PYROLYSIS GC (S2)
CLST:brn gy, gn gy, ol gy, lt
gy to m drk gy

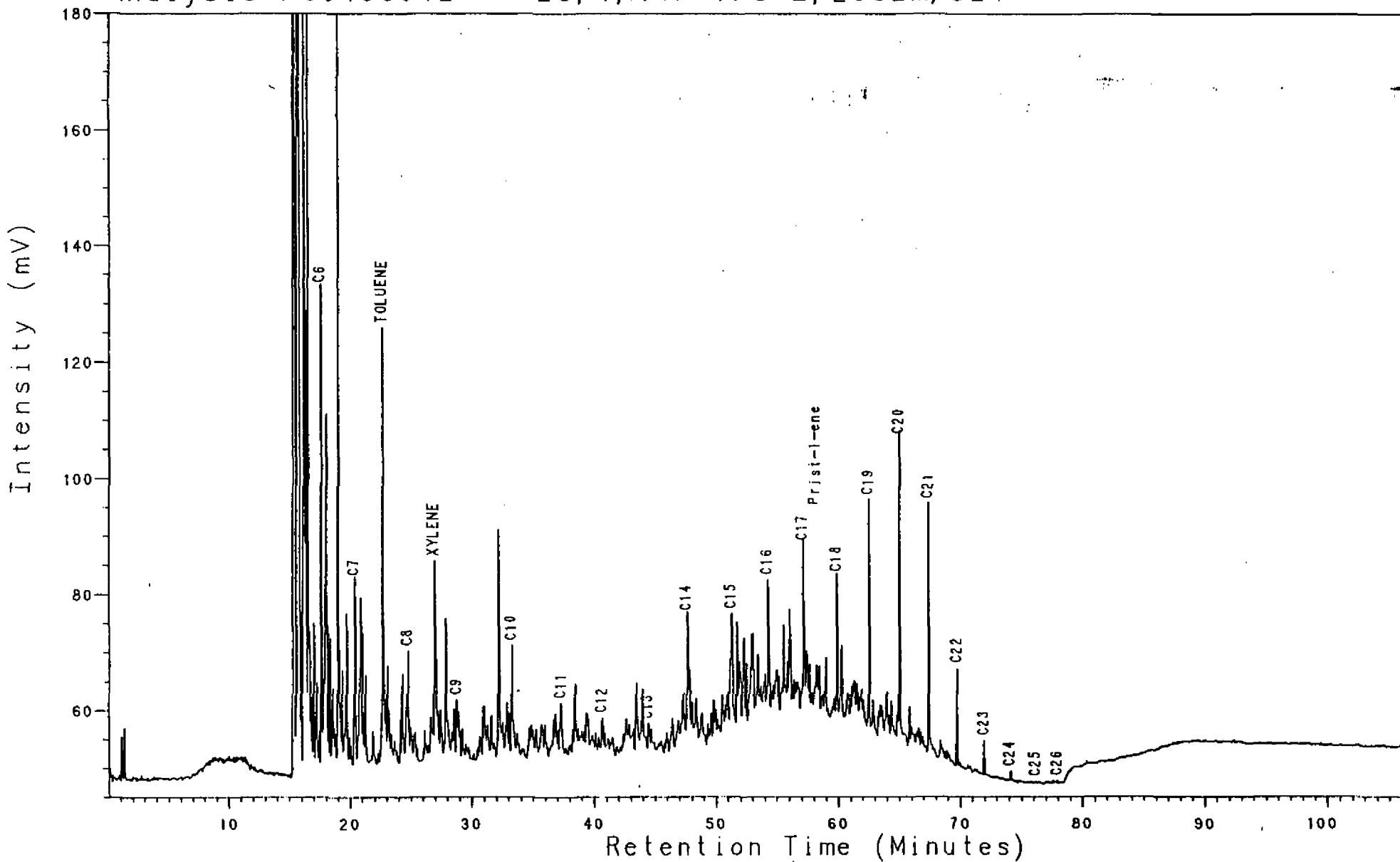
Analysis CC2432883 23, 1, 1 7/8-2, 2883m, S2



WELL 7/8-2 2883m
PYROLYSIS GC (S2)
CLST: brn gy, gn gy, ol gy,
m drk gy

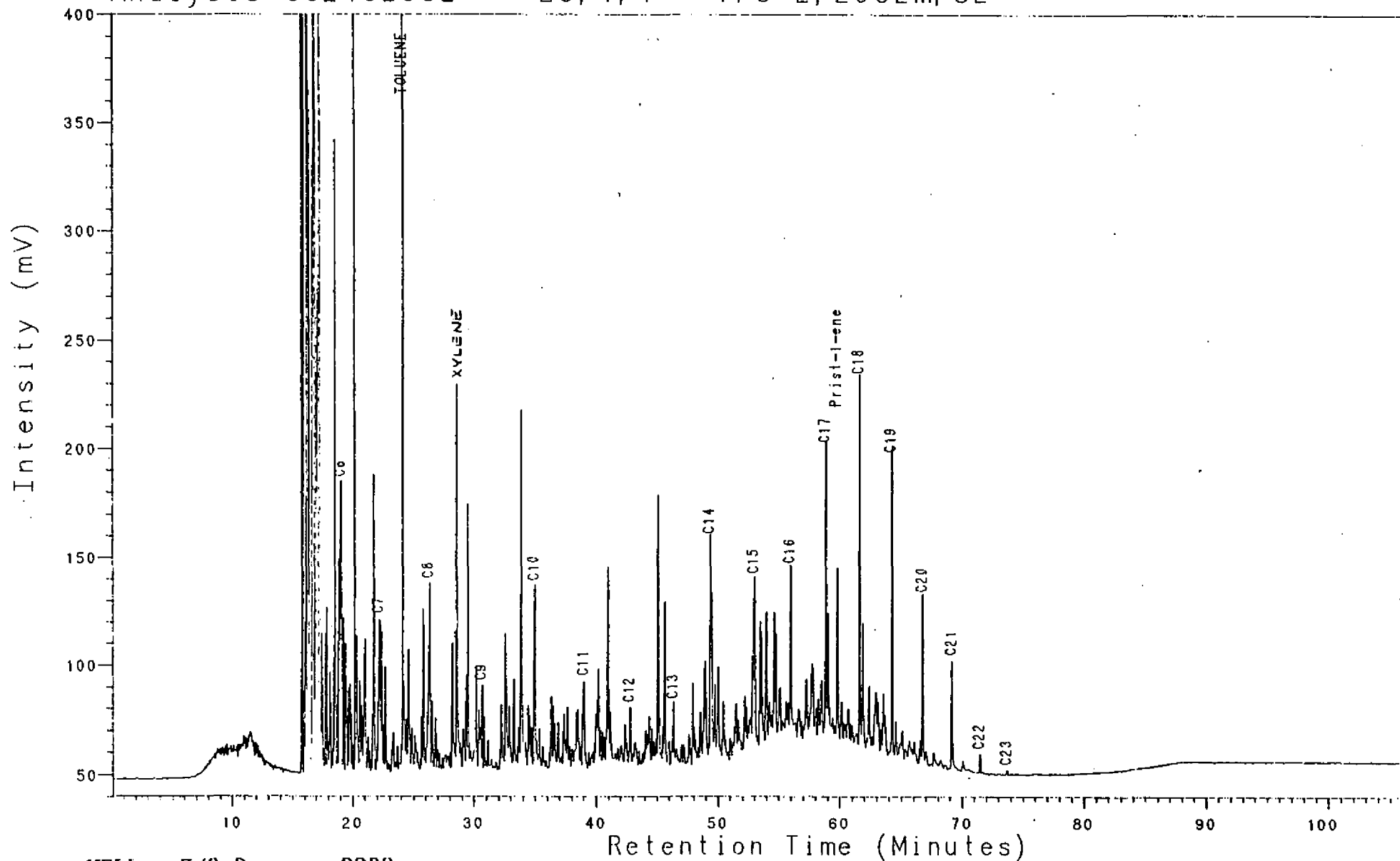
Analysis PC040601L

23, 1, 1 7/8-2, 2932m, S2



NOCS 7/8-2 2932m
PYROLYSIS GC (S2)
SST:gy pl

Analysis CC2432932 23, 1, 1 7/8-2, 2932m, S2

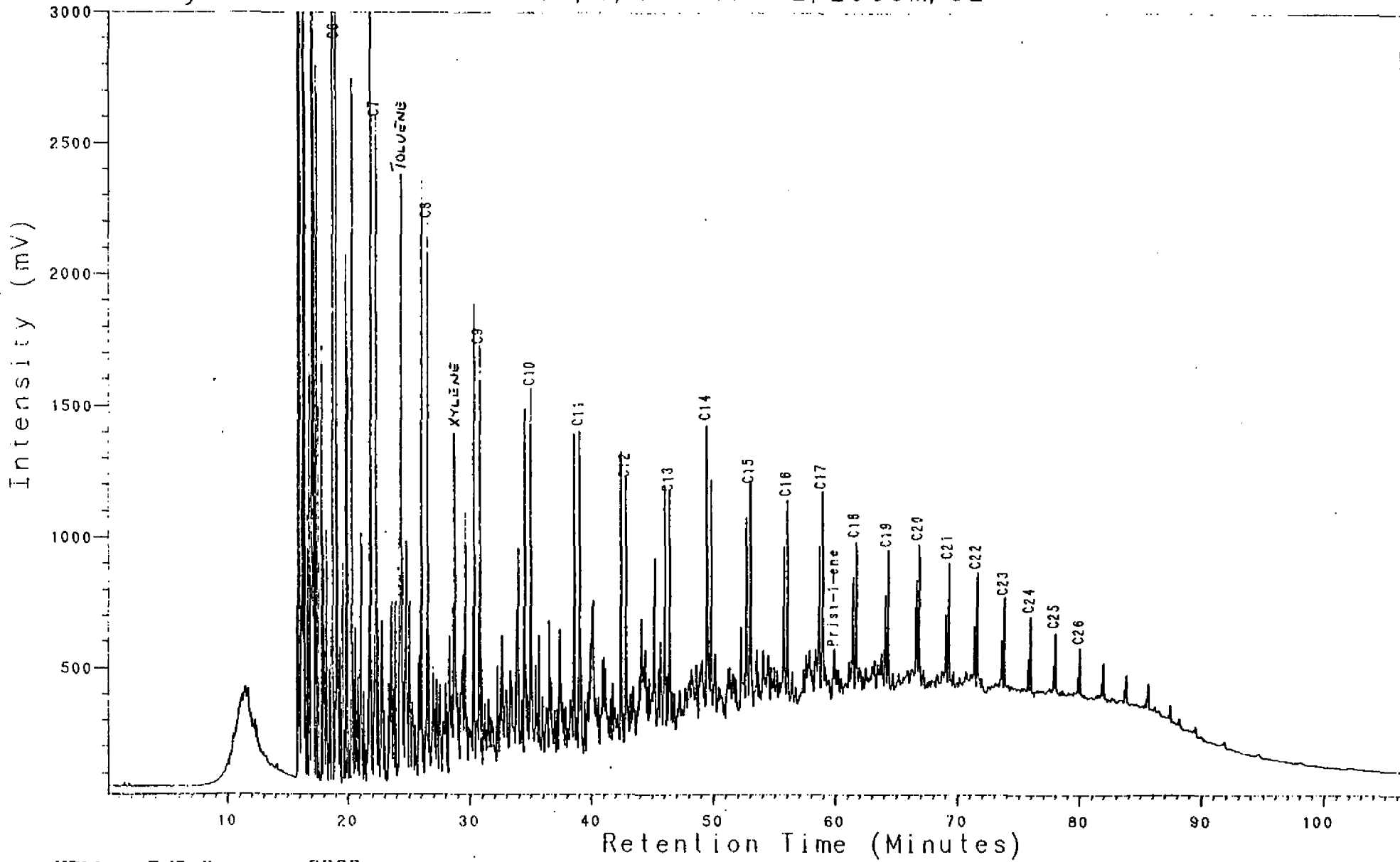


WELL 7/8-2 2932m
PYROLYSIS GC (S2)
CLST: brn gy, gn gy, ol gy, lt gy
to m gy

Analysis CC2432963

23, 1, 1

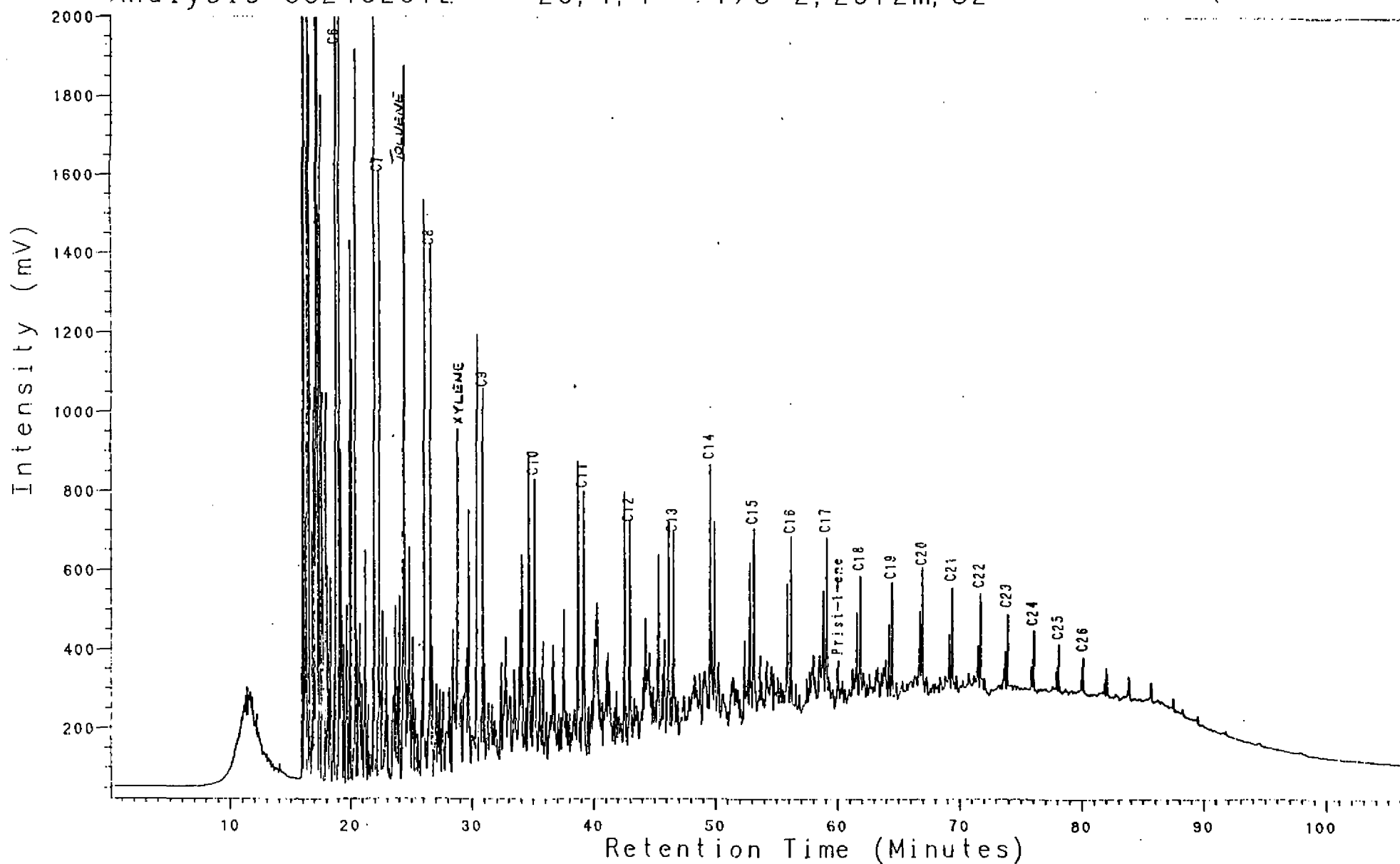
7/8-2, 2963m, S2



WELL 7/8-2 2963m
PYROLYSIS GC (S2)
CLST:gy blk to m drk gy

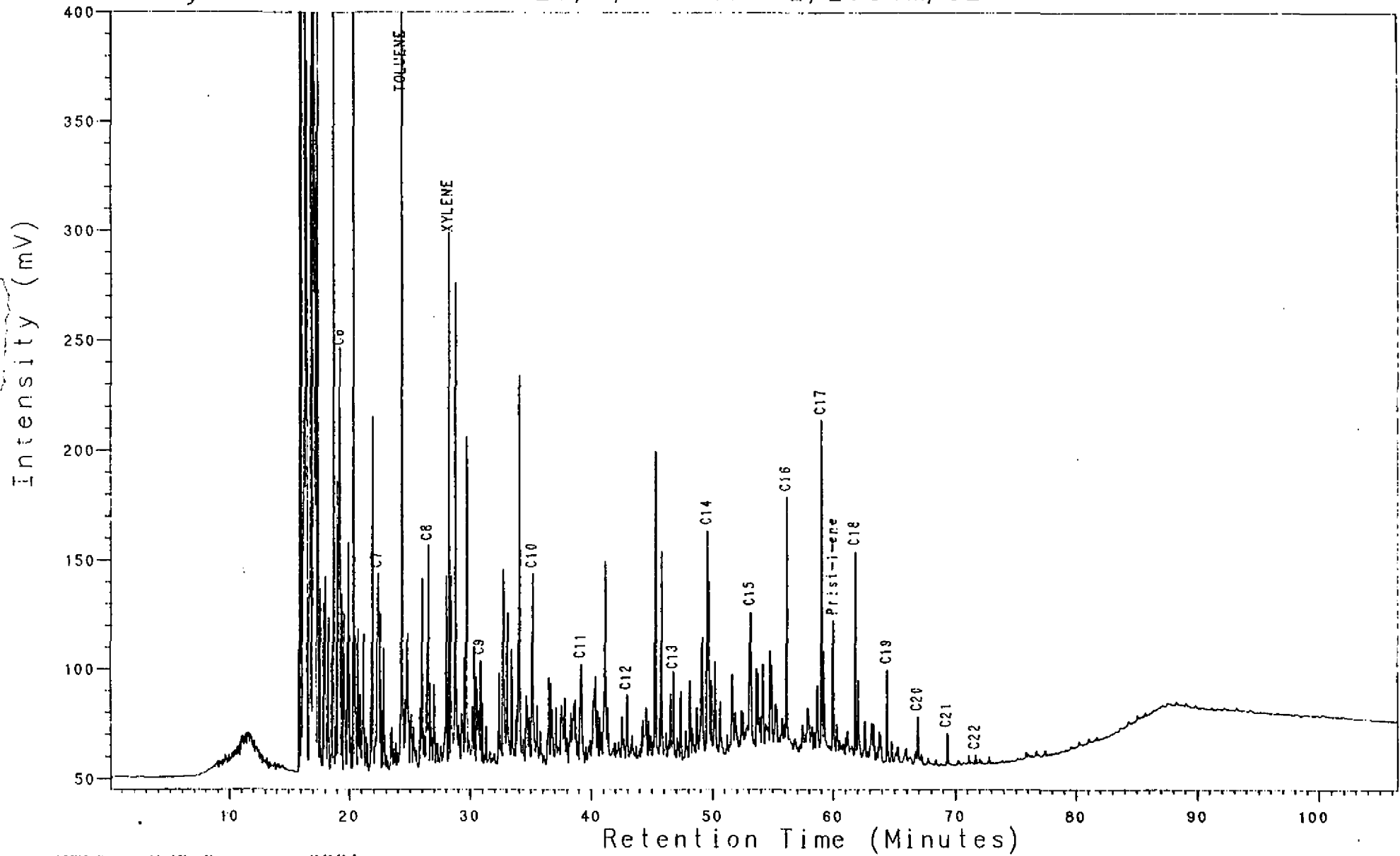
Analysis CC2432972

23, 1, 1 7/8-2, 2972m, S2



WELL 7/8-2 2972m
PYROLYSIS GC (S2)
CLST:gy blk to m drk gy

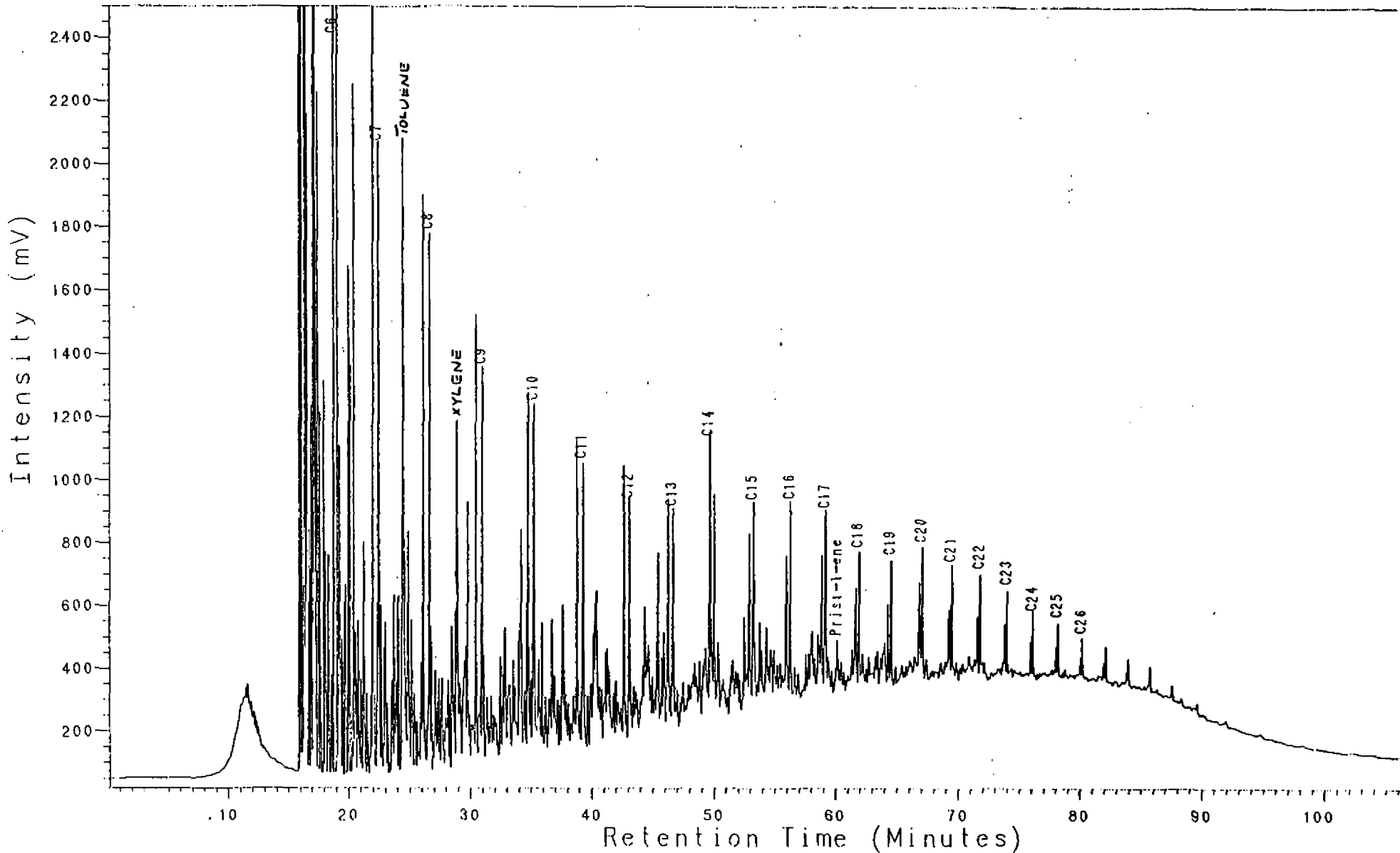
Analysis CC2432981 23, 1, 1 7/8-2, 2981m, S2



WELL 7/8-2 2981m
PYROLYSIS GC (S2)
CLST: brn gy, ol gy, m gy to
m drk gy

Analysis CC2432990

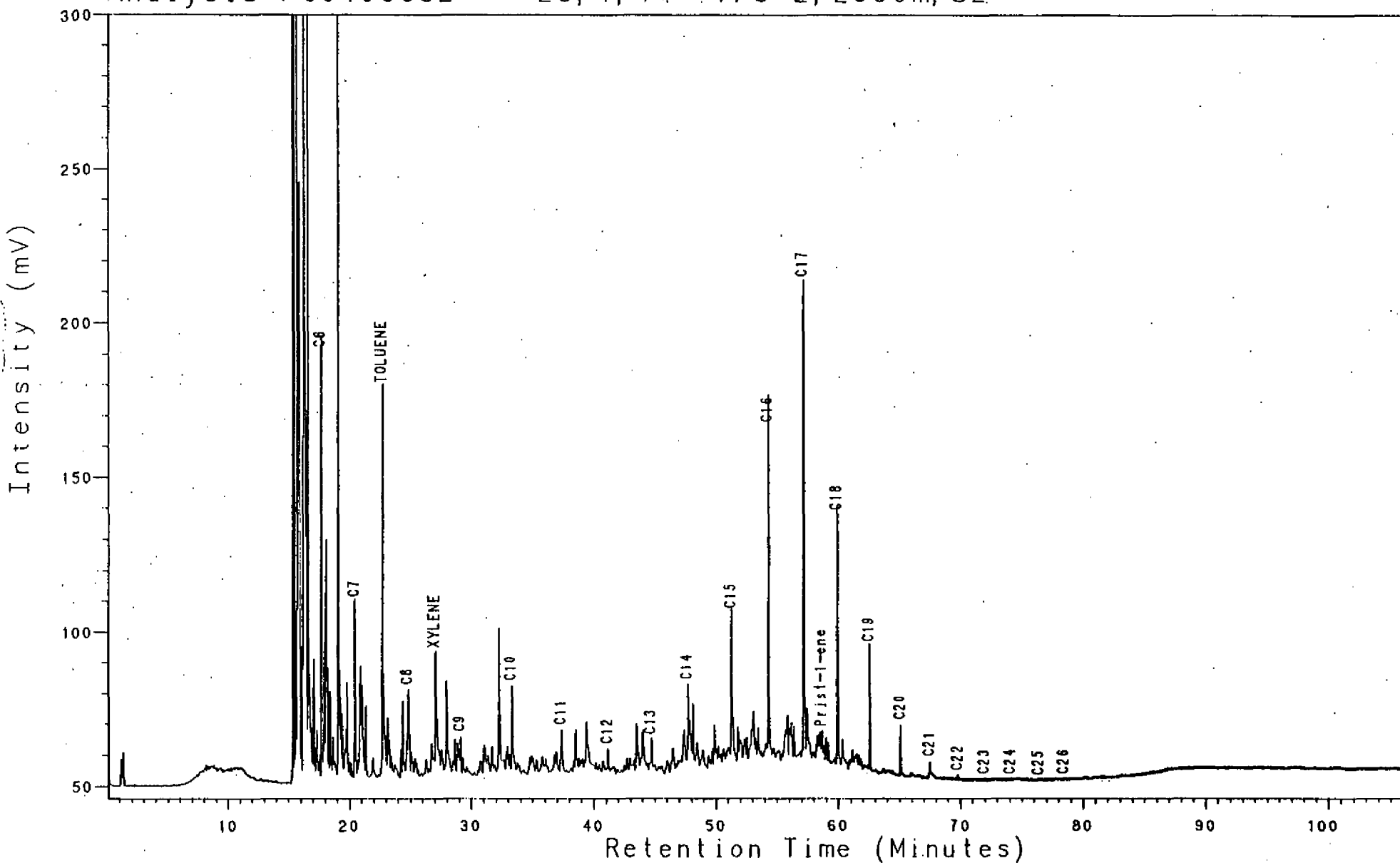
23, 1, 1 .7/8-2, 2990m, S2



WELL 7/8-2 2990m
PYROLYSIS GC (S2)
CLST:gy blk to m drk gy

Analysis PC040663L

23, 1, 1. 7/8-2, 2990m, S2

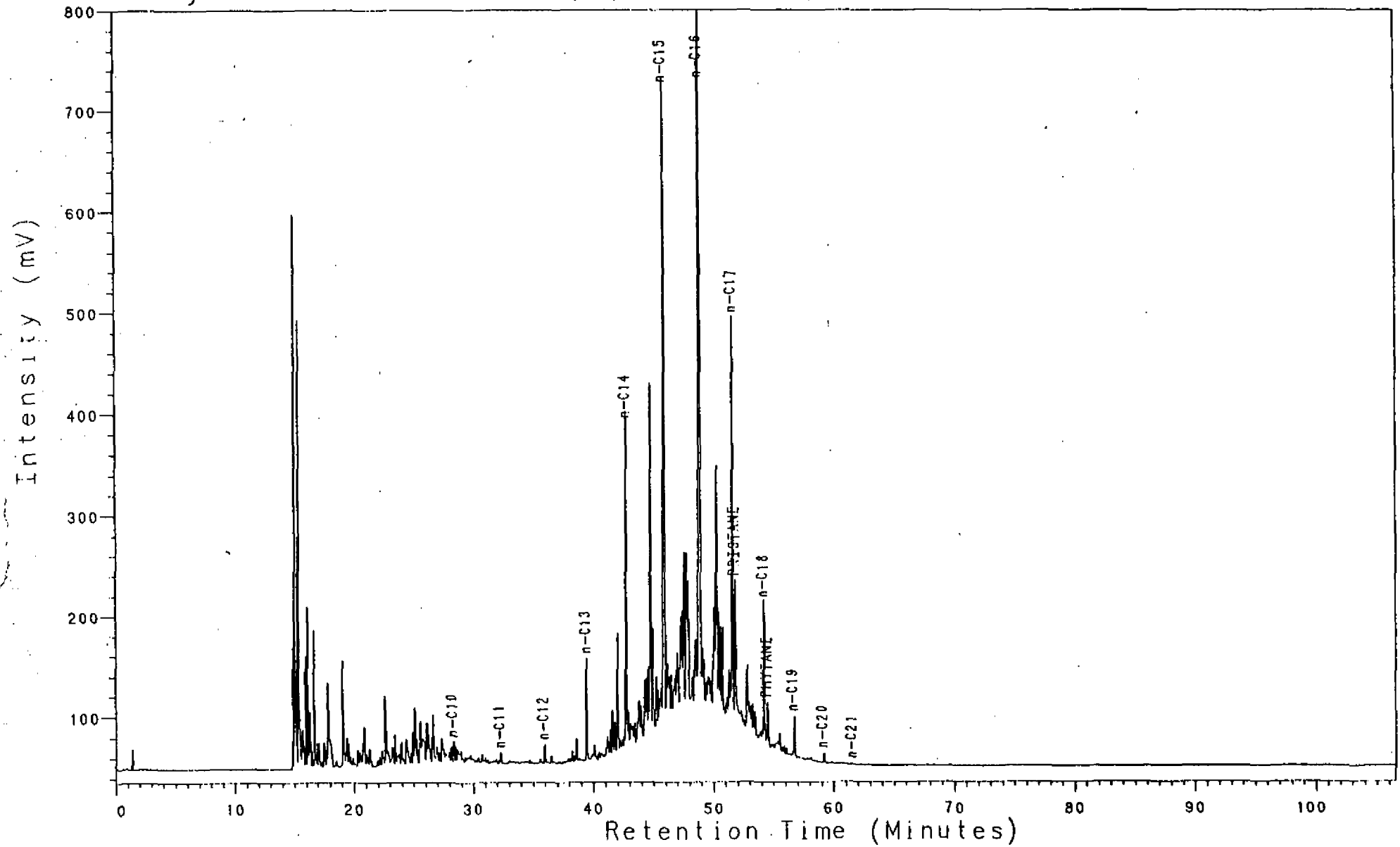


NOCS 7/8-2 2990m
PYROLYSIS GC (S2)
CLST:gy, brn, gn, red, ol,
v col

Analysis PC040663L

24, 1, 1

7/8-2, 2990m, S1



NOC5 7/8-2. 2990m
THERMAL EXTRACTION GC (S1)
CLST: gy, brn, gn, red, ol, v