

Table 2.2.2. SOURCE ROCK EXTRACTION DATA II WELL 2/11-7 (cont'd)

Petroleum Geochemistry Group  
Research Center Bergen



Depth(m)	TOC (%)	EOM(%) / TOC(%)	SAT(%) / TOC(%)	SAT(%) / ARO(%)	HC/non HC
4500.00	8.39	0.17	6.59	3.09	2.73
4540.00	8.94	0.02	3.12	3.07	0.59
4580.00	5.44	0.07	6.36	4.55	0.73
4690.00	2.44	0.20	20.86	2.99	2.12
4740.00	1.66	0.24	27.71	2.95	1.61
4810.00	3.54	0.14	15.51	5.04	1.92
4860.00	2.52	0.12	24.09	4.90	2.72
4900.00	1.99	0.30	28.04	4.73	2.09
4940.00	2.74	0.15	14.45	3.92	0.99
4980.00	1.81	0.28	32.38	5.19	2.32
5040.00	2.83	0.39	19.51	4.35	2.12

Table 2.3.1. SATURATED FRAC., MOLECULAR RATIOS WELL 2/11-7



Depth	Pr/n-C17	Pr/Ph	CPI-I	CPI-II	n-C15+/Total	n-C20/n-C25
1690.00	0.60	0.70	1.60	1.10		
1790.00	0.61	0.71	0.31	0.97		
1880.00	0.69	0.97	1.16	1.10		
2000.00	0.74	0.85	1.20	1.21		
2220.00	0.75	1.12	1.11	1.21		
2560.00	0.69	1.29	1.13	1.10		
2920.00	0.88	1.17	1.10	2.00		
2970.00	0.73	1.19	1.26	0.86		
3540.00	0.85	0.98	1.11	0.94		
3600.00	0.86	0.86	1.10	0.95		
3670.00	0.73	1.10	1.11	0.99		
3774.00	0.68	1.12	1.11	0.89		
3778.50	0.85	1.27	1.10	0.83		
3792.50	0.93	1.11	1.10	0.88		
3800.00	0.81	1.20	0.84	0.84		
3814.00	0.75	1.27	1.11	0.82		
3820.00	0.80	0.99	1.10	0.93		
3830.00	0.70	1.10	1.10	0.93		

Table 2.3.1. SATURATED FRAC., MOLECULAR RATIOS WELL 2/11-7 (cont'd)

Petroleum Geochemistry Group  
Research Center Bergen

HYDRO

Depth	Pr/n-C17	Pr/Ph	CPI-I	CPI-II	n-C15+/Total	n-C20/n-C25
3880.00	0.82	1.12	1.10	0.86		
4150.00	0.85	0.87	1.11	0.97		
4160.00	0.80	0.95	1.12	0.99		
4170.00	0.85	0.59	1.11	1.00		
4190.00	0.65	1.10	1.10	0.92		
4260.00	0.64	1.12	1.10	0.95		
4290.00	0.66	1.07	1.10	0.91		
4300.00	0.61	1.11	1.11	0.89		
4310.00	0.64	1.11	1.02	0.89		
4320.00	0.64	1.05	1.10	0.87		
4330.00	0.59	1.36	1.11	0.86		
4340.00	0.61	1.13	1.10	0.88		
4350.00	0.61	1.11	1.10	0.90		
4360.00	0.61	1.11	1.11	0.87		
4370.00	0.64	1.10	1.11	0.96		
4380.00	0.60	1.26	1.10	0.91		
4390.00	0.60	1.13	1.11	0.91		
4400.00	0.65	1.22	1.10	0.90		
4460.00	0.47	1.13	1.10	0.97		

Table 2.3.1. SATURATED FRAC., MOLECULAR RATIOS WELL 2/11-7 (cont'd)



Depth	Pr/n-C17	Pr/Ph	CPI-I	CPI-II	n-C15+/Total	n-C20/n-C25
4500.00	0.46	1.37	1.11	0.92		
4540.00	0.64	1.06	1.13	1.04		
4580.00	0.55	1.10	1.11	0.94		
4690.00	0.60	1.10	1.10	0.88		
4740.00	0.65	1.11	1.11	0.95		
4810.00	0.67	1.11	1.11	0.96		
4860.00	0.62	1.29	1.11	0.96		
4900.00	0.62	1.23	1.11	0.96		
4940.00	0.66	1.05	1.11	0.99		
4980.00	0.69	1.05	1.10	0.94		
5040.00	0.66	1.08	1.11	0.96		

DEPTH	MPI1	MPI2
m		
3774.0	0.97	0.78
3778.5	1.07	0.86
3800.0	0.77	1.54
3814.0	0.26	0.52
3820.0	1.12	1.02
3830.0	1.04	0.94
3880.0	1.20	1.06
4160.0	0.77	0.59
4170.0	0.96	0.92
4190.0	0.90	0.86
4260.0	0.85	0.76
4290.0	0.87	1.33
4300.0	0.80	0.72
4310.0	0.92	0.87
4320.0	0.96	0.93
4330.0	0.92	0.88
4340.0	0.86	0.83
4350.0	0.81	0.81
4360.0	0.89	0.86
4370.0	0.78	0.72
4380.0	0.85	0.80
4390.0	0.88	0.80
4400.0	0.90	0.81
4460.0	0.84	0.86
4500.0	0.82	0.81
4540.0	0.83	0.80
4580.0	0.91	0.92
4690.0	1.07	1.06
4740.0	1.03	1.10
4810.0	1.10	0.99
4860.0	1.11	1.10
4900.0	0.93	0.91
4940.0	0.99	0.97
4980.0	1.10	0.84
5040.0	0.98	0.94

Table II.4.1:Molecular ratios  
from the gas chromatograms  
of aromatic hydrocarbons.

Table 2.6.1. PYROLYSIS-GASCHROMATOGRAPHY DATA 2/11-7



Depth (m)	C1 (%)	C2-C5 (%)	C1-C5 (%)	C5-C14 (%)	C15+ (%)	GORP C1-5/C6+	C1-C6 (%)	C7-C14 (%)	GOPI C1-6/C7+
1690.00	6.35	57.07	63.42	36.58					
1790.00	8.27	34.74	43.01	48.46	8.53	0.75			
1880.00	12.91	42.46	55.37	44.63					
2000.00	11.48	34.94	46.42	53.57					
2220.00	16.28	19.54	35.82	64.17					
2920.00	11.16	57.54	68.70	31.31					
2970.00	7.60	47.69	55.29	44.67	0.04	1.24			
3774.00	15.64	14.80	30.44	58.04	11.53	0.44			
3792.50	7.12	47.45	54.57	31.38	14.05	1.20			
3814.00	3.87	30.75	34.62	36.24	29.13	0.53			
3830.00	7.39	51.17	58.56	30.25	11.19	1.41			
3880.00	4.61	29.02	33.63	37.64	28.73	0.51			
4150.00	18.17	32.58	50.75	45.47	3.78	1.03			
4190.00	27.38	14.25	41.63	52.38	6.00	0.71			
4290.00	20.98	29.98	50.96	43.45	5.59	1.04			
4310.00	14.50	25.09	39.59	52.28	8.13	0.66			
4330.00	21.14	50.65	71.79	28.21					
4350.00	22.62	28.58	51.20	43.69	5.11	1.05			





Table 2.7.1. KEROGEN COMPOSITION, SPORE AND POLLEN  
COMPOSITION WELL 2/11-7

Depth (m)	Amorphous matr.	Woody	Inert- inite	Palyno- morphs	Algal Herbaceous	Reworked (%)	Particle size	Preserv. (1-3)
1690.00	15.00	50.00	7.50	27.50			2	2
1790.00	5.00	60.00	5.00	30.00			2	2
1880.00	5.00	50.00	5.00	40.00			2	2
2000.00	5.00	40.00	45.00	10.00			2	3
2220.00		50.00	15.00	35.00			2	3
2920.00	5.00	55.00	5.00	35.00			2	2
2970.00		40.00	15.00	45.00			2	2
3540.00		90.00	5.00	5.00			3	3
3670.00	3.40	35.00	55.00	6.60			2	2
3774.00	35.00	2.00	2.00	61.00		5.00	3	3
3778.50	60.00	2.00	2.00	36.00		5.00	3	3
3792.50	40.00	5.00	5.00	50.00		10.00	3	3
3814.00	25.00	5.00	15.00	55.00		20.00	3	3
3820.00	25.00	10.00	15.00	50.00		25.00	2	3
3830.00	20.00	10.00	20.00	50.00		25.00	1	2
3880.00	5.00	30.00	50.00	15.00		60.00	1	2
4150.00	10.00	20.00	20.00	50.00		25.00	2	3
4160.00	45.00	6.60	6.60	41.80		15.00	3	3



Table 2.7.1. KEROGEN COMPOSITION, SPORE AND POLLEN  
COMPOSITION WELL 2/11-7 (cont'd)



Depth (m)	Amorphous matr.	Woody	Inert- inite	Palyno- morphs	Algal Herbaceous	Reworked (%)	Particle size	Preserv. (1-3)
4190.00	20.00	6.60	6.60	66.80		15.00	3	3
4260.00	10.00	10.00	20.00	60.00		25.00	2	3
4290.00	50.00	6.60	6.60	36.80		10.00	2	2
4310.00	30.00	6.60	6.60	56.80		10.00	2	3
4320.00	10.00	10.00	15.00	65.00		20.00	2	3
4330.00	30.00	2.00	2.00	66.00			2	3
4340.00	65.00	2.00	2.00	31.00			2	2
4350.00	65.00	2.00	2.00	31.00			2	2
4360.00	30.00	6.60	6.60	56.80			1	2
4370.00	50.00	2.50	10.00	37.50			1	2
4380.00	25.00	7.50	10.00	57.50			2	3
4400.00	10.00	15.00	30.00	45.00			2	3
4460.00	60.00	4.50	4.50	31.00			2	2
4500.00	30.00	4.50	4.50	61.00			2	2
4580.00	25.00	7.50	25.00	42.50			2	2
4690.00	6.60	6.60	45.00	41.80			1	1
4740.00	10.00	5.00	40.00	45.00			2	2
4810.00	30.00	10.00	20.00	40.00		25.00	2	2
4900.00	20.00	15.00	35.00	30.00		45.00	1	2



Table 2.7.1. KEROGEN COMPOSITION, SPORE AND POLLEN  
 COMPOSITION WELL 2/11-7 (cont'd)

Depth (m)	Amorphous matr.	Woody	Inert- inite	Palyno- morphs	Algal Herbaceous	Reworked (%)	Particle size	Preserv. (1-3)
4980.00	25.00	7.50	7.50	60.00			2	3
5040.00	30.00	5.00	15.00	50.00			2	3

Table 3.1.1. VITRINITE REFLECTANCE DATA WELL 2/11-7  
Average values

Depth	Population I	Population II	Population III
1690.00	0.50 ( 1)	0.60 ( 5)	
1790.00	0.40 ( 6)	0.66 ( 1)	
1880.00	0.40 ( 9)	0.61 ( 1)	
2000.00	0.47 ( 6)	0.61 ( 1)	
2220.00	0.39 ( 11)	0.51 ( 2)	0.82 ( 3)
2920.00	0.40 ( 14)	0.60 ( 1)	0.88 ( 1)
3774.00	0.50 ( 9)	0.69 ( 6)	
3778.50	0.50 ( 11)	0.86 ( 5)	
3792.50	0.50 ( 3)	0.72 ( 3)	
3814.00	0.50 ( 8)	0.72 ( 3)	
3830.00	0.46 ( 1)	0.74 ( 3)	
3880.00	0.50 ( 10)	0.80 ( 7)	
4150.00	0.55 ( 7)	0.77 ( 6)	
4160.00	0.60 ( 15)	0.80 ( 4)	1.07 ( 1)
4190.00	0.51 ( 4)	0.63 ( 3)	
4260.00	0.58 ( 2)	0.74 ( 3)	
4290.00	0.46 ( 7)	0.65 ( 4)	
4310.00	0.30 ( 2)	0.50 ( 4)	1.48 ( 20)

Table 3.1.1. VITRINITE REFLECTANCE DATA WELL 2/11-7 (cont'd)  
Average values



Depth	Population I	Population II	Population III
4320.00	0.59 ( 4)	0.80 ( 20)	1.01 ( 6)
4330.00	0.46 ( 6)	0.82 ( 7)	1.07 ( 7)
4340.00	0.74 ( 16)	0.99 ( 2)	
4350.00	0.84 ( 14)	1.10 ( 1)	
4360.00	0.84 ( 12)	0.99 ( 3)	1.22 ( 5)
4370.00	0.83 ( 2)	0.95 ( 1)	
4380.00	0.81 ( 10)	1.10 ( 5)	
4400.00	0.90 ( 2)	1.61 ( 18)	
4460.00	0.86 ( 5)	1.21 ( 8)	
4500.00	1.03 ( 8)		
4580.00	0.58 ( 3)	0.87 ( 12)	1.70 ( 5)
4690.00	0.95 ( 4)	1.31 ( 5)	
4740.00	0.86 ( 9)	1.26 ( 9)	1.76 ( 1)
4810.00	0.58 ( 5)	0.86 ( 16)	1.21 ( 2)
4900.00	1.08 ( 25)		
4940.00	1.10 ( 21)		
4980.00	1.12 ( 20)		
5040.00	1.13 ( 20)		

SAMPLE DEPTH	TERMAL ALTERATION INDICES TAI	1-10 SCALE
1690.0	1+ to 2-	2
1790.0	1+ to 2-	2
1880.0	1+ to 2-	2
2000.0	1+ to 2-	2
2220.0	1+ to 2-?	2?
2920.0	2- to 2	3.5
2970.0	2-	3
3540.0	2- to 2	3.5
3670.0	2- to 2	3.7
3774.0	2- to 2	3.5
3778.5	2- to 2?	3.5?
3792.5	2- to 2	3.5
3814.0	2- to 2	3.7
3820.0	2- to 2	3.5
3830.0	2- to 2	3.5
3880.0	2?	4?
4150.0	2	4
4160.0	2	4
4190.0	2	4
4260.0	2 to 2+	5
4290.0	2 to 2+	5
4310.0	2 to 2+	5
4320.0	2 to 2+	5
4330.0	2 to 2+	5
4340.0	2 to 2+?	5?
4350.0	2+?	5.5?
4360.0	2 to 2+	5
4370.0	2 to 2+	5
4380.0	2 to 2+	5
4400.0	2 to 2+	5
4460.0	2+?	5.5?
4500.0	2+?	5.5?
4580.0	2+	5.5
4690.0	2+?	5.5?
4740.0	2+	5.5
4810.0	2+	5.5
4900.0	2+?	5.5?
4940.0	2+?	5.5?
4980.0	2+?	5.5?
5040.0	2+	5.5

Table III.2.1: Termal alteration indices

DEPTH m	$\alpha\beta$ %	$\alpha\alpha 20$ %	$\alpha\alpha 20R/$ HOMOPREG.
1690.0	40	32	2.45
1790.0	37	32	2.29
1880.0	39	31	2.06
2000.0	19	28	5.33
2220.0	23	26	3.62
2560.0	47	37	4.23
2920.0	40	27	1.77
2970.0			
3540.0	42	38	3.06
3600.0	46	44	3.15
3670.0	47	42	3.06
3774.0	36	41	2.83
3778.5	38	40	3.38
3792.5	38	40	4.31
3800.0	36	41	2.86
3814.0	36	40	3.33
3820.0	40	41	4.31
3830.0	40	41	4.41
3880.0	38	40	4.85
4150.0	52	50	2.49
4160.0	53	51	1.82
4170.0	51	51	2.53
4190.0	51	51	2.05
4260.0	54	52	1.82
4290.0	55	53	1.38
4300.0	55	52	1.73
4310.0	58	53	1.41
4320.0	53	50	1.64
4330.0	59	55	0.70
4340.0	58	55	0.76
4350.0	58	52	0.93
4360.0	59	53	0.88
4370.0	56	54	0.91
4380.0	57	53	1.00
4390.0	55	52	1.16
4400.0	49	49	1.85
4460.0	59	55	0.91
4500.0	59	52	0.95
4540.0	49	45	2.40
4580.0	50	48	1.49
4690.0	54	51	1.63
4740.0	51	51	1.91
4810.0	52	51	1.67
4860.0	52	50	1.80
4900.0	52	51	1.72
4940.0	48	48	2.63
4980.0	50	49	1.93
5040.0	51	52	1.87

Table III.3.1: Biomarker ratios,  
Sterane isomerisation.

DEPTH	TS/TM	NORH./	BISNH/	MORET/	BISHOMH/
m		NH+HOP	BNH+NH	HOP.	BHHS+BHR
1690.0	0.47	0.35	0.27	0.56	0.48
1790.0	0.47	0.63	0.32	0.79	0.44
1880.0	0.42	0.60	0.16	0.53	0.43
2000.0	0.42	0.64	0.10	0.71	0.26
2220.0	0.50	0.62	0.15	0.46	0.30
2560.0	0.79	0.34	0.21	0.20	0.52
2920.0	0.25	0.35		0.42	0.34
2970.0	0.42	0.29	0.43	0.20	0.35
3540.0	0.79	0.38	0.08	0.16	0.60
3600.0	1.10	0.37		0.16	0.62
3670.0	1.10	0.32		0.13	0.59
3774.0	0.90	0.37	0.10	0.14	0.58
3778.5	0.83	0.37	0.10	0.14	0.58
3792.5	0.88	0.34	0.08	0.13	0.58
3800.0	1.11	0.38		0.13	0.57
3814.0	0.83	0.39	0.08	0.13	0.57
3820.0	1.00	0.34		0.14	0.61
3830.0	1.00	0.36		0.14	0.61
3880.0	0.89	0.36		0.15	0.59
4150.0	1.11	0.33		0.15	0.61
4160.0	1.21	0.32		0.12	0.59
4170.0	1.19	0.32		0.14	0.61
4190.0	1.29	0.30		0.12	0.61
4260.0	1.29	0.31		0.12	0.59
4290.0	1.50	0.31		0.13	0.57
4300.0	1.47	0.31		0.12	0.61
4310.0	1.50	0.28		0.12	0.59
4320.0	1.33	0.33		0.12	0.57
4330.0	2.00	0.28		0.12	0.58
4340.0	2.23	0.28		0.11	0.58
4350.0	2.20	0.28		0.11	0.60
4360.0	1.93	0.28		0.11	0.57
4370.0	2.54	0.29		0.12	0.61
4380.0	2.31	0.28		0.12	0.57
4390.0	1.93	0.30		0.12	0.56
4400.0	1.35	0.34		0.14	0.57
4460.0	3.20	0.27	0.16	0.12	0.62
4500.0	4.12	0.28	0.18	0.14	0.56
4540.0	0.95	0.37		0.59	0.54
4580.0	2.76	0.31		0.14	0.59
4690.0	1.41	0.33		0.13	0.56
4740.0	1.29	0.33		0.15	0.61
4810.0	1.39	0.34		0.15	0.61
4860.0	1.35	0.33		0.14	0.58
4900.0	1.60	0.33		0.15	0.60
4940.0	1.35	0.33		0.14	0.60
4980.0	1.29	0.34		0.14	0.61
5040.0	1.33	0.32		0.13	0.62

Table III.3.2: Biomarker ratios,  
Triterpane isomerisation.



## APPENDIX I

Gas chromatograms of saturated hydrocarbons



Analysis: 7 E021107S.1.1  
Reported on 10-Feb-87 at 09:38

Page 1

MULTICHRORUN

Analyst Name : JANNICKE                      Analysis ID:  
Information : 1018

GCMS SATURATES 4 DEG/MIN.

Channel: 7    Title: CHANNEL 7                      Date 18-Jan-87    Time 15:09  
Analysis: E021107S    Sample Name: 1690M                      Sample ID: 0    Bottle: 1  
Sample 1    Injection 1

Peak	R/T	u.	RT	Corr	RT	Val	Hght	uV	Area	uVs	Z	Identity
2	23.405		23.686		1606.1		1057		5345		1.136	I-C18
7	24.773		25.070		1700.0		8359		28723		6.106	N-C17
8	25.029		25.329		1709.4		3490		17496		3.720	PRISTANE
15	27.499		27.828		1800.0		12321		48124		10.231	N-C18
16	27.829		28.163		1812.7		4856		26054		5.539	PHYTANE
23	30.093		30.454		1900.0		12027		55722		11.846	N-C19
32	32.560		32.950		2000.0		9584		36352		7.728	N-C20
39	34.909		35.310		2100.0		7328		24760		5.264	N-C21
48	37.165		37.577		2200.0		5576		18721		3.980	N-C22
53	39.333		39.755		2300.0		4299		14146		3.007	N-C23
55	41.413		41.845		2400.0		3030		9617		2.045	N-C24
60	43.419		43.860		2500.0		2722		9607		2.042	N-C25
62	45.349		45.791		2600.0		1509		5786		1.230	N-C26
64	47.221		47.663		2700.0		2008		6206		1.319	N-C27
65	49.019		49.461		2800.0		1531		5587		1.188	N-C28
68	50.768		51.210		2900.0		1840		7106		1.511	N-C29
72	52.451		52.893		3000.0		705		2216		0.471	N-C30
77	54.093		54.536		3100.0		1624		5544		1.179	N-C31
80	55.672		56.114		3200.0		405		1453		0.309	N-C32
85	57.208		57.651		3300.0		649		2713		0.577	N-C33
86	58.445		58.888		3400.0		693		2752		0.585	N-C34

Residual                      29990                      136354                      28.988  
Total                                      115903                      470383                      100.000

Sample Type: SA    Scale Factor: 1.000    Amount: 1.000  
Method: MSDS      Calibration: MSBS      Type: UC                      Using: Area

Analysis: 7 E021107S, 2, 1  
Reported on 10-Feb-87 at 09:38

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M U L T I C H R O M V3.2

Analyst Name : JANNICKE                      Analysis ID:  
Information : J018

GCMS SATURATES 4 DEG/MIN.

Channel: 7    Title: CHANNEL 7                      Date 18-Jan-87    Time 16:46  
Analysis: E021107S    Sample Name: 1790M                      Sample ID: 0    Bottle: 1  
Sample 2    Injection 1

Peak	R/T	n.	RT	Corr	RT	Val	Hght	uV	Area	uVs	%	Identity
2	23.416		23.724		1607.9		295		1071		1.064	I-C18
5	24.757		25.083		1700.0		2985		8896		8.833	N-C17
6	25.029		25.358		1710.0		1252		5443		5.404	PRISTANE
11	27.472		27.833		1800.0		4726		16112		15.997	N-C18
12	27.813		28.179		1813.2		1681		7710		7.655	PHYTANE
15	30.059		30.454		1900.0		4391		16910		16.789	N-C19
19	32.523		32.950		2000.0		3116		9904		9.833	N-C20
21	34.880		35.338		2100.0		1911		6020		5.977	N-C21
22	37.136		37.624		2200.0		1248		3946		3.918	N-C22
23	39.307		39.823		2300.0		808		2896		2.876	N-C23
24	41.397		41.941		2400.0		467		1631		1.620	N-C24
26	45.339		45.934		2600.0		227		756		0.750	N-C26
27	47.205		47.826		2700.0		247		851		0.845	N-C27
28	49.013		49.657		2800.0		256		993		0.986	N-C28
32	51.992		52.675		3000.0		116		417		0.414	N-C30
36	58.437		59.205		3400.0		135		521		0.518	N-C34

Residual		4607	16639	16.521
Total		28469	100717	100.000

Sample Type: SA    Scale Factor: 1.000    Amount: 1.000  
Method: MSDS    Calibration: MSDS    Type: UC    Using: Area

Analyst Name :JANNICKE

Analysis ID:

GCMS SATURATES 4 DEG/MIN.

Channel:7 Title: CHANNEL 7

Date 5-Jan-87 Time 19:20

Analysis:A021107S Sample Name:1880 m

Sample ID: 0 Bottle:1

Sample 2 Injection 1

Peak	R/T m.	RT	Corr	RT Val	Hght	uV	Area	uVs	X	Identity
1	19.109	19.312	1500.0	281	815	0.163	N-C15			
4	22.085	22.320	1600.0	4211	14518	2.896	N-C16			
5	23.581	23.814	1652.1	2055	11079	2.210	I-C18			
10	24.955	25.185	1700.0	10415	40774	8.134	N-C17			
11	25.216	25.446	1709.6	5517	28157	5.617	PRISTANE			
20	27.680	27.907	1800.0	12163	55054	10.982	N-C18			
21	28.005	28.231	1812.6	5576	28907	5.766	PHYTANE			
29	30.272	30.495	1900.0	11368	56840	11.339	N-C19			
37	32.731	32.950	2000.0	8750	38163	7.613	N-C20			
44	35.088	35.313	2100.0	6187	25170	5.021	N-C21			
49	37.352	37.582	2200.0	4329	16690	3.329	N-C22			
53	39.520	39.755	2300.0	3284	12937	2.581	N-C23			
54	41.605	41.845	2400.0	2072	8131	1.622	N-C24			
57	43.616	43.860	2500.0	1929	8444	1.684	N-C25			
58	45.552	45.795	2600.0	1150	4709	0.939	N-C26			
59	47.419	47.660	2700.0	1299	5246	1.046	N-C27			
60	49.229	49.470	2800.0	988	4496	0.897	N-C28			
62	50.971	51.210	2900.0	1183	5215	1.040	N-C29			
							N-C30			
70	54.296	54.533	3100.0	787	3334	0.665	N-C31			
74							N-C32			
78	57.424	57.659	3300.0	393	2099	0.419	N-C33			
							N-C34			

Residual	25839	125413	25.018
Total	111065	501294	100.000

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using:Area

Analysis: 7 E021107S, 3, 1  
Reported on 10-Feb-87 at 09:39

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MULTICHROM V3.2

Analyst Name : JANNICKE                      Analysis ID:  
Information : J018

GCMS SATURATES 4 DEG/MIN.

Channel: 7    Title: CHANNEL 7                      Date 18-Jan-87    Time 18:24  
Analysis: E021107S    Sample Name: 2000M                      Sample ID: 0    Bottle: 1  
Sample 3    Injection 1

Peak	R/T #	RT	Corr	RT Val	Hght	uV	Area	uVs	%	Identity
2	23.432	23.701	1606.6	948			3301	0.827	I-C18	
7	24.795	25.079	1700.0	7553		25304	6.342	N-C17		
8	25.067	25.354	1710.0	3987		18699	4.686	PRISTANE		
16	27.520	27.836	1800.0	10017		37914	9.502	N-C18		
17	27.856	28.176	1812.9	4135		21973	5.507	PHYTANE		
25	30.115	30.460	1900.0	9431		40917	10.255	N-C19		
32	32.576	32.950	2000.0	7008		24896	6.239	N-C20		
37	34.931	35.312	2100.0	5097		16674	4.179	N-C21		
45	37.184	37.573	2200.0	3738		12158	3.047	N-C22		
49	39.355	39.751	2300.0	3043		10420	2.611	N-C23		
51	41.440	41.843	2400.0	1923		6218	1.558	N-C24		
56	43.451	43.860	2500.0	2152		7296	1.828	N-C25		
58	45.376	45.783	2600.0	1203		3897	0.977	N-C26		
61	47.253	47.659	2700.0	1787		5538	1.388	N-C27		
62	49.059	49.462	2800.0	1354		5226	1.310	N-C28		
66	50.808	51.210	2900.0	1873		7511	1.882	N-C29		
70	52.749	53.149	3000.0	1076		8527	2.137	N-C30		
74	54.125	54.524	3100.0	1474		5209	1.305	N-C31		
79	55.704	56.101	3200.0	377		1449	0.363	N-C32		
84	57.232	57.628	3300.0	698		2730	0.684	N-C33		
86	58.725	59.119	3400.0	237		1227	0.307	N-C34		
88	60.205	60.598	3500.0	272		1771	0.444	N-C35		

Residual	28169	130157	32.620
Total	97552	399009	100.000

Sample Type: SA    Scale Factor: 1.000    Amount: 1.000  
Method: MSDS    Calibration: MSDS    Type: UC    Using: Area

Analysis:7 E021107S,4,1  
Reported on 10-Feb-87 at 09:39

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MULTICHROM 93.2

Analyst Name :JANNICKE  
Information :J018

Analysis ID:

GCMS SATURATES 4 DEG/MIN.

Channel:7 Title: CHANNEL ? Date 18-Jan-87 Time 20:03  
Analysis:E021107S Sample Name:2220M Sample ID: 0 Bottle:1  
Sample 4 Injection 1

Peak	R/T m.	RI	Corr RI	Val	Hght uV	Area uVs	Z	Identity
1	18.955	19.175	1500.0	269	785	0.169	N-C15	
5	23.427	23.700	1653.0	2136	11179	2.399	I-C18	
10	24.800	25.089	1700.0	10812	38858	8.337	N-C17	
11	25.061	25.353	1709.6	5786	29283	6.283	PRISTANE	
22	27.520	27.841	1800.0	12618	51316	11.010	N-C18	
23	27.845	28.170	1812.6	5232	25418	5.453	PHYTANE	
32	30.107	30.457	1900.0	11295	48375	10.379	N-C19	
41	32.571	32.950	2000.0	8199	29801	6.394	N-C20	
47	34.923	35.310	2100.0	5861	18980	4.072	N-C21	
54	37.179	37.573	2200.0	4641	15165	3.254	N-C22	
58	39.349	39.751	2300.0	3666	11686	2.507	N-C23	
59	41.435	41.843	2400.0	2480	8065	1.730	N-C24	
62	43.445	43.860	2500.0	2131	7296	1.565	N-C25	
63	45.376	45.787	2600.0	1408	4366	0.937	N-C26	
65	47.253	47.661	2700.0	1548	4863	1.043	N-C27	
66	49.053	49.458	2800.0	1002	3619	0.777	N-C28	
68	50.808	51.210	2900.0	1388	4946	1.061	N-C29	
73	52.749	53.148	3000.0	638	7249	1.555	N-C30	
76	54.125	54.522	3100.0	915	3371	0.723	N-C31	
80	55.715	56.108	3200.0	302	1067	0.229	N-C32	
83	57.243	57.634	3300.0	400	1777	0.381	N-C33	
85	58.736	59.124	3400.0	159	885	0.190	N-C34	
Residual				32456	137737	29.552		
Total				115342	466087	100.000		

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using: Area

Analysis:7 E021107S,5,1  
Reported on 10-Feb-87 at 09:39

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MULTICHROM V3.2

Analyst Name :JANNICKE                      Analysis ID:  
Information :J018

GCMS SATURATES 4 DEG/MIN.

Channel:7 Title: CHANNEL 7                      Date 18-Jan-87 Time 21:41  
Analysis:E021107S      Sample Name:2560M                      Sample ID: 0      Bottle:1  
Sample 5      Injection 1

Peak	R/T m.	RT	Corr RT	Val	Hght	uV	Area	uVs	Z	Identity
1	17.885	18.091	1413.8		821		2579		0.413	I-C16
2	18.976	19.194	1500.0		4313		12862		2.062	N-C15
14	23.435	23.704	1652.8		3840		17730		2.842	I-C18
19	24.813	25.098	1700.0		13338		51588		9.268	N-C17
20	25.075	25.363	1709.6		6814		35610		5.708	PRISTANE
31	27.525	27.841	1800.0		12897		53521		8.578	N-C18
32	27.851	28.170	1812.6		5137		27511		4.409	PHYTANE
42	30.112	30.458	1900.0		10979		52752		8.455	N-C19
52	32.576	32.950	2000.0		8902		33254		5.330	N-C20
60	34.923	35.304	2100.0		6429		22049		3.534	N-C21
68	37.187	37.576	2200.0		5006		17105		2.742	N-C22
73	39.357	39.753	2300.0		3768		12601		2.020	N-C23
75	41.440	41.843	2400.0		2894		9080		1.455	N-C24
80	43.451	43.860	2500.0		2475		8401		1.347	N-C25
82	45.381	45.791	2600.0		1931		6011		0.964	N-C26
84	47.248	47.658	2700.0		1850		6081		0.975	N-C27
86	49.056	49.466	2800.0		1412		5723		0.917	N-C28
89	50.800	51.210	2900.0		1737		6282		1.007	N-C29
92	52.493	52.903	3000.0		787		2879		0.461	N-C30
95	54.128	54.538	3100.0		1097		4281		0.686	N-C31
99	55.715	56.125	3200.0		526		1872		0.300	N-C32
103	57.261	57.672	3300.0		582		3316		0.532	N-C33
106	58.755	59.165	3400.0		361		2660		0.426	N-C34

Residual	52524	228161	36.570
Total	150422	623909	100.000

Sample Type: SA      Scale Factor: 1.000      Amount: 1.000  
Method: MSDS      Calibration: MSDS      Type: UC      Using:Area

Analysis: 7 A021107S, 3, 1  
Reported on 10-Feb-87 at 09:26

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MULTICHROM V3.2

Analyst Name: IANNICKE Analysis 100  
Information: 1004

GCMS SATURATES 4 DEG/MIN.

Channel: 7 Title: CHANNEL 7 Date: 5-Jan-87 Time: 20:60  
Analysis: A021107S Sample Name: 2920 M Sample ID: 0 Bottle: 1  
Sample 3 Injection 1

Peak	R/T #	RT	Corr	RT Val	Hght	uV	Area	uVs	Z	Identity
1	22.043	22.320	1600.0	1585	4689	3.416	N-C16			
2	23.539	23.818	1652.5	1004	4970	3.620	I-C18			
6	24.891	25.172	1700.0	3898	13619	9.922	N-C17			
7	25.163	25.445	1710.0	2727	12008	8.748	PRISTANE			
							I-C18			
12	27.941	28.228	1813.2	2174	10245	7.463	PHYTANE			
16	30.192	30.482	1900.0	4222	19178	13.971	N-C19			
19	32.656	32.950	2000.0	2931	11343	8.263	N-C20			
20	35.013	35.311	2100.0	1783	7252	5.283	N-C21			
21	37.280	37.581	2200.0	1122	4677	3.407	N-C22			
22	39.456	39.761	2300.0	700	3424	2.495	N-C23			
23	41.541	41.849	2400.0	427	2286	1.665	N-C24			
25	45.493	45.808	2600.0	268	1487	1.083	N-C26			
26	47.365	47.682	2700.0	245	1492	1.087	N-C27			
29	54.437	54.766	3100.0	200	860	0.626	N-C31			

Residual	4610	21051	15.336
Total	32544	137269	100.000

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using: Area

Analysis: 7 A021107S, 4, 1

Reported on 10-Feb-87 at 09:26

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0.000 0.000 0.000

Analyst Name : JANNICKE  
Information : J004

Analysis ID :

GCMS SATURATES 4 DEG/MIN.

Channel: 7 Title: CHANNEL 7

Date: 5-Jan-87 Time: 23:38

Analysis: A021107S Sample Name: 2970 M

Sample ID: 0 Bottle: 1

Sample 4 Injection 1

Peak	R/T	n.	RT	Corr	RT	Val	Hght	uV	Area	uVs	%	Identity
1	15.997		16.171		1400.0		370		1020		0.120	N-C14
2	17.997		18.193		1464.8		991		3208		0.378	I-C16
3	19.085		19.293		1500.0		4200		13568		1.600	N-C15
10	22.080		22.320		1600.0		11904		45681		5.386	N-C16
12	23.557		23.799		1651.6		5904		37690		4.444	I-C18
17	24.944		25.187		1700.0		16507		74159		8.744	N-C17
18	25.200		25.443		1709.4		10401		54400		6.415	PRISTANE
29	27.664		27.910		1800.0		16557		77358		9.122	N-C18
30	27.984		28.230		1812.4		8514		45828		5.404	PHYTANE
38	30.240		30.489		1900.0		13455		72312		8.527	N-C19
47	32.699		32.950		2000.0		10315		43020		5.073	N-C20
56	35.051		35.312		2100.0		6999		27303		3.219	N-C21
65	37.307		37.578		2200.0		5282		20315		2.395	N-C22
69	39.472		39.752		2300.0		3699		13831		1.631	N-C23
72	41.560		41.849		2400.0		2930		10416		1.228	N-C24
77	43.563		43.860		2500.0		2198		9809		1.157	N-C25
79	45.499		45.798		2600.0		1801		7727		0.911	N-C26
82	47.368		47.668		2700.0		1700		6033		0.711	N-C27
86	49.168		49.470		2800.0		1512		6249		0.737	N-C28
91	50.907		51.210		2900.0		1659		7303		0.861	N-C29
											0	H-30
99	54.467		54.773		3100.0		1445		6430		0.758	N-C31
102	55.821		56.129		3200.0		560		3071		0.362	N-C32
106	57.357		57.666		3300.0		581		3326		0.392	N-C33
108	58.843		59.152		3400.0		334		2371		0.280	N-C34
110	60.325		60.636		3500.0		230		1909		0.225	N-C35

Residual 50785 250342 29.519  
Total 181751 848071 100.000

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using: Area



Analysis: 7 A021107S, 5, 1  
Reported on 10-Feb-87 at 09:26

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MULTIHRON V3.2

Analyst Name : JANNICKE  
Information : J004

Analysis ID:

GCMS SATURATES 4 DEG/MIN.

Channel: 7 Title: CHANNEL 7 Date: 6-Jan-87 Time: 0:17  
Analysis: A021107S Sample Name: 3540 M Sample ID: 0 Bottle: 1  
Sample 5 Injection 1

Peak	R/T #	RT	Corr	RT Val	Hght	uV	Area	uVs	%	Identity
2	18.000	18.209	1464.8	1447	4799	0.434	I-C14			
3	19.085	19.307	1500.0	2680	8507	0.769	N-C15			
9	22.064	22.320	1600.0	6788	24312	2.198	N-C16			
10	23.557	23.811	1652.2	5782	32989	2.982	I-C18			
15	24.923	25.175	1700.0	10969	45405	4.104	N-C17			
16	25.189	25.441	1709.8	7423	38418	3.473	PRISTANE			
24	27.645	27.893	1800.0	11383	53228	4.811	N-C18			
25	27.971	28.218	1812.6	7334	39177	3.541	PHYTANE			
32	30.235	30.479	1900.0	12633	71830	6.493	N-C19			
39	32.709	32.950	2000.0	12219	55005	4.972	N-C20			
48	35.075	35.320	2100.0	11735	51563	4.661	N-C21			
67	39.512	39.766	2300.0	10688	46629	4.215	N-C23			
75	41.589	41.848	2400.0	8448	36723	3.319	N-C24			
83	43.597	43.860	2500.0	7818	34786	3.144	N-C25			
88	45.528	45.791	2600.0	6710	27904	2.522	N-C26			
95	47.397	47.660	2700.0	6071	23493	2.123	N-C27			
102	49.195	49.458	2800.0	5138	22192	2.006	N-C28			
108	50.947	51.210	2900.0	5117	21305	1.926	N-C29			
112	52.624	52.887	3000.0	4211	17572	1.588	N-C30			
117	54.264	54.528	3100.0	4380	16204	1.465	N-C31			
123	55.832	56.096	3200.0	3509	12754	1.153	N-C32			
128	57.368	57.632	3300.0	3274	17127	1.548	N-C33			
132	58.861	59.125	3400.0	2269	15156	1.370	N-C34			
135	60.333	60.598	3500.0	1178	8917	0.806	N-C35			
Residual				61870	333837	30.175				
Total				231863	1106332	100.000				

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using: Area

MULTICHROM V3.2

Analyst Name : JANNICKE  
Information : J004

Analysis ID:

GCMS SATURATES 4 DEG/MIN.

Channel: 7 Title: CHANNEL 7 Date: 6-Jan-87 Time: 1:56  
Analysis: A021107S Sample Name: 3600 M Sample ID: 0 Bottle: 1  
Sample 6 Injection 1

Peak	R/T m.	RT	Corr	RT	Vol	Hght	uV	Area	uVs	Z	Identity
1	16.016	16.194	1400.0			596	1769	0.112			N-C14
2	18.016	18.216	1464.9			1299	4247	0.270			I-C16
3	19.099	19.311	1500.0			2266	7623	0.485			N-C15
8	22.075	22.320	1600.0			5246	18919	1.203			N-C16
											N-C18
13	24.933	25.166	1700.0			8903	38998	2.480			N-C17
14	25.195	25.426	1709.6			6459	34531	2.196			PRISTANE
20	27.664	27.885	1800.0			11400	54018	3.435			N-C18
21	27.995	28.214	1812.7			7266	40096	2.550			PHYTANE
28	30.272	30.481	1900.0			14448	86397	5.495			N-C19
36	32.752	32.950	2000.0			15950	78713	5.006			N-C20
45	35.125	35.322	2100.0			15908	79975	5.086			N-C21
55	37.392	37.588	2200.0			15505	74315	4.726			N-C22
67	39.576	39.771	2300.0			15737	78555	4.996			N-C23
77	41.656	41.850	2400.0			13489	62547	3.978			N-C24
88	43.667	43.860	2500.0			12495	59338	3.774			N-C25
97	45.595	45.792	2600.0			10830	52404	3.333			N-C26
104	47.461	47.662	2700.0			9613	43735	2.781			N-C27
114	49.264	49.468	2800.0			8907	39637	2.521			N-C28
120	51.003	51.210	2900.0			8401	37701	2.398			N-C29
125	52.688	52.899	3000.0			7060	30391	1.933			N-C30
131	54.328	54.542	3100.0			6940	27125	1.725			N-C31
136	55.896	56.113	3200.0			4998	20071	1.276			N-C32
142	57.421	57.641	3300.0			4268	22983	1.462			N-C33
146	58.904	59.126	3400.0			2662	17980	1.143			N-C34
149	60.376	60.601	3500.0			1370	10121	0.644			N-C35

Residual 91717 524367 33.349  
Total 308289 1572365 100.000

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using: Area

Reported on 10-Feb-87 at 09:27

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M U L T I C H R O M U S . 2

Analyst Name : JANNICKE  
Information : J004

Analysis ID:

GCMS SATURATES 4 DEG/MIN.

Channel: 7 Title: CHANNEL 7 Date: 6-Jan-87 Time: 3:36  
Analysis: A021107S Sample Name: 3670 M Sample ID: 0 Bottle: 1  
Sample 7 Injection 1

Peak R/T #	RT	Corr	RT Val	Hght	uV	Area	uVs	%	Identity
1	16.005	16.183	1400.0	670	1959	0.144	N-C14		
2	18.003	18.203	1464.7	1810	5919	0.435	I-C16		
3	19.091	19.303	1500.0	3943	12888	0.947	N-C15		
10	22.075	22.320	1600.0	9577	36137	2.655	N-C16		
12	23.557	23.800	1651.8	6890	41488	3.048	I-C18		
17	24.939	25.178	1700.0	14436	62919	4.622	N-C17		
18	25.195	25.434	1709.4	9273	46284	3.400	PRISTANE		
27	27.661	27.896	1800.0	14562	71393	5.245	N-C18		
28	27.987	28.221	1812.5	8391	44910	3.299	PHYTANE		
36	30.256	30.485	1900.0	15889	93096	6.839	N-C19		
43	32.725	32.950	2000.0	15459	71869	5.280	N-C20		
52	35.088	35.317	2100.0	14310	66087	4.855	N-C21		
61	37.352	37.586	2200.0	12894	54948	4.037	N-C22		
71	39.528	39.766	2300.0	12578	57793	4.246	N-C23		
79	41.605	41.848	2400.0	10408	45359	3.332	N-C24		
88	43.613	43.860	2500.0	9472	42385	3.114	N-C25		
95	45.544	45.794	2600.0	7978	33206	2.439	N-C26		
102	47.408	47.662	2700.0	7464	29686	2.181	N-C27		
110	49.205	49.463	2800.0	6112	26607	1.955	N-C28		
116	50.949	51.210	2900.0	6346	25788	1.895	N-C29		
121	52.635	52.899	3000.0	5418	22133	1.626	N-C30		
127	54.275	54.542	3100.0	5729	22068	1.621	N-C31		
131	55.853	56.123	3200.0	4545	17303	1.271	N-C32		
137	57.389	57.662	3300.0	4132	20049	1.473	N-C33		
142	58.883	59.158	3400.0	2776	16130	1.185	N-C34		
145	60.355	60.633	3500.0	1633	9784	0.719	N-C35		

Residual 73868 383002 28.137  
Total 286563 1361189 100.000

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using: Area

Analysis: 7 A021107S.8.1  
Reported on 10-Feb-87 at 09:27

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MULTICHROM V3.2

Analyst Name : JANNICKE                      Analysis ID:  
Information : 1004

GCMS SATURATES 4 DEG/MIN.

Channel: 7    Title: CHANNEL 7                      Date: 6-Jan-87    Time: 5:15  
Analysis: A021107S    Sample Name: 3774 M                      Sample ID: 0    Bottle: 1  
Sample 8    Injection 1

Peak	RT	m.	RT	Corr	RT	Val	Hght	uV	Area	uVs	X	Identity
18	16.029		16.196		1400.0		9543		30466		3.126	N-C14
28	18.029		18.217		1464.7		8399		29084		2.984	I-C16
30	19.120		19.318		1500.0		12378		43862		4.501	N-C15
42	22.091		22.320		1600.0		11915		45455		4.664	N-C16
48	23.560		23.792		1651.6		6320		39160		4.018	I-C18
53	24.936		25.171		1700.0		12248		50382		5.159	N-C17
54	25.181		25.417		1709.1		6689		34049		3.494	PRISTANE
64	27.645		27.886		1800.0		10178		45351		4.653	N-C18
65	27.971		28.212		1812.6		5520		30378		3.117	PHYTANE
74	30.229		30.476		1900.0		9689		47395		4.863	N-C19
82	32.699		32.950		2000.0		8930		35148		3.606	N-C20
87	35.067		35.319		2100.0		8096		32994		3.386	N-C21
95	37.323		37.577		2200.0		7248		27622		2.834	N-C22
103	39.499		39.754		2300.0		6707		27776		2.850	N-C23
108	41.589		41.846		2400.0		5274		19870		2.039	N-C24
113	43.603		43.860		2500.0		4630		19223		1.972	N-C25
117	45.533		45.792		2600.0		3794		14851		1.524	N-C26
121	47.397		47.656		2700.0		2981		11757		1.206	N-C27
124	49.200		49.460		2800.0		2714		11719		1.202	N-C28
128	50.949		51.210		2900.0		2569		11162		1.145	N-C29
131	52.632		52.893		3000.0		1970		8139		0.835	N-C30
134	54.275		54.537		3100.0		1913		7032		0.722	N-C31
137	55.853		56.116		3200.0		1580		5823		0.598	N-C32
141	57.389		57.653		3300.0		1495		8483		0.870	N-C33
143	58.893		59.158		3400.0		1147		7581		0.778	N-C34
146	60.365		60.630		3500.0		608		4992		0.512	N-C35

Residual                      75114            324929            33.340  
Total                            229653            974582            100.000

Sample Type: SA    Scale Factor: 1.000    Amount: 1.000  
Method: MSDS      Calibration: MSDS      Type: UC            Using: Area

Analysis: 7 A021107S.9.1  
Reported on 10-Feb-87 at 09:27



Reported on 10-Feb-87 at 09:27

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M U L T I C H R O M U S

Analyst Name : JANNICKE  
Information : J004

Analysis ID:

GCMS SATURATES 4 DEG/MIN.

Channel: 7 Title: CHANNEL 7 Date: 6-Jan-87 Time: 8:36  
Analysis: A0211076 Sample Name: 3792.5 M Sample ID: 0 Bottle: 1  
Sample 10 Injection 1

Peak	R/T	n.	RT	Corr	RT	Val	Hght	uV	Area	uVs	%	Identity
9	16.013		16.191		1400.0		3737		11263		1.558	N-C14
15	18.019		18.219		1464.9		5732		18889		2.613	I-C16
17	19.101		19.314		1500.0		6385		21305		2.947	N-C15
27	22.075		22.320		1600.0		7364		24998		3.458	N-C16
31	23.557		23.805		1652.1		5064		28904		3.998	I-C18
36	24.920		25.170		1700.0		8276		31279		4.327	N-C17
37	25.181		25.432		1709.6		5790		28993		4.010	PRISTANE
46	27.635		27.889		1800.0		7204		29859		4.130	N-C18
47	27.971		28.225		1813.0		4920		26813		3.709	PHYTANE
54	30.219		30.477		1900.0		7159		35778		4.949	N-C19
60	32.688		32.950		2000.0		6692		29472		4.077	N-C20
65	35.056		35.320		2100.0		6186		25120		3.475	N-C21
72	37.317		37.583		2200.0		5570		23497		3.112	N-C22
77	39.493		39.761		2300.0		5740		22209		3.072	N-C23
81	41.579		41.848		2400.0		4604		17732		2.453	N-C24
86	43.589		43.860		2500.0		4205		18191		2.516	N-C25
89	45.528		45.799		2600.0		3633		14858		2.055	N-C26
94	47.392		47.663		2700.0		3067		11865		1.641	N-C27
98	49.195		49.466		2800.0		2798		12239		1.693	N-C28
102	50.939		51.210		2900.0		3729		11931		1.650	N-C29
105	52.632		52.903		3000.0		2333		9712		1.343	N-C30
108	54.264		54.536		3100.0		2406		9224		1.276	N-C31
112	55.843		56.114		3200.0		2236		8767		1.213	N-C32
117	57.389		57.661		3300.0		2329		12346		1.708	N-C33
119	58.883		59.155		3400.0		1783		10965		1.517	N-C34
122	60.355		60.627		3500.0		1000		7296		1.009	N-C35

Residual 47279 220448 30.493  
Total 166220 722952 100.000

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using: Area







Analyst Name :JANNICKE  
Information :J006

Analysis ID:

GCMS SATURATES 4 DEG/MIN.

Channel:7 Title: CHANNEL 7 Date 7-Jan-87 Time 16:40  
Analysis:BO211075 Sample Name:3820 M Sample ID: 0 Bottle:1  
Sample 2 Injection 1

Peak	R/T #	RT	Corr	RT Val	Hght	uV	Area	uVs	%	Identity
2	16.013	16.191	1400.0	1005	2942	0.256	N-C14			
3	18.016	18.216	1464.9	1843	5949	0.517	I-C16			
5	19.099	19.311	1500.0	3646	11924	1.036	N-C15			
12	22.075	22.320	1600.0	6567	23531	2.045	N-C16			
13	23.563	23.804	1652.1	4182	25077	2.180	I-C18			
18	24.933	25.172	1700.0	9756	38647	3.359	N-C17			
19	25.195	25.432	1709.6	5880	31072	2.701	PRISTANE			
25	27.656	27.888	1800.0	10271	46284	4.023	N-C18			
26	27.987	28.218	1812.7	5731	31370	2.727	PHYTANE			
33	30.256	30.481	1900.0	11946	65451	5.689	N-C19			
40	32.731	32.950	2000.0	12271	55142	4.793	N-C20			
49	35.099	35.319	2100.0	11932	53779	4.675	N-C21			
58	37.371	37.591	2200.0	11228	49742	4.324	N-C22			
68	39.547	39.768	2300.0	11446	52489	4.562	N-C23			
						3.846	N-C24			
87	43.637	43.860	2500.0	8874	40132	3.488	N-C25			
							N-C26			
99	47.440	47.656	2700.0	6648	28613	2.487	N-C27			
108	49.243	49.456	2800.0	6032	26686	2.320	N-C28			
113	51.000	51.210	2900.0	5998	25566	2.223	N-C29			
118	52.677	52.884	3000.0	5031	21501	1.869	N-C30			
124	54.317	54.522	3100.0	5029	19055	1.656	N-C31			
						1.416	N-C32			
134	57.421	57.620	3300.0	3367	18479	1.606	N-C33			
137	58.904	59.100	3400.0	2230	14399	1.252	N-C34			
140	60.387	60.581	3500.0	1313	9091	0.790	N-C35			
Residual				66129	360523	31.337				
Total				239705	1150467	100.000				

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using: Area

Analysis: 7 B021107S, 3, 1

Reported on 10-Feb-87 at 09:16

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MULTICHROM V3.2

Analyst Name : JANNICKE  
Information : J006

Analysis ID:

GCMS SATURATES 4 DEG/MIN.

Channel: 7 Title: CHANNEL 7

Date 7-Jan-87 Time 18:20

Analysis: B021107S Sample Name: 3830 M  
Sample 3 Injection 1

Sample ID: 0 Bottle: 1

Peak R/T #	RT	Corr	RT Val	Hght	uV	Area	uVs	Z	Identity
3	16.016	16.178	1400.0	2008		5815	0.470		N-C14
6	18.019	18.201	1464.7	3270		10709	0.865		I-C16
8	19.112	19.306	1500.0	6567		22242	1.797		N-C15
16	22.096	22.320	1600.0	10278		37855	3.059		N-C16
19	23.573	23.796	1651.8	5968		35929	2.903		I-C18
24	24.949	25.171	1700.0	13128		54288	4.387		N-C17
25	25.200	25.421	1709.2	7658		37971	3.068		PRISTANE
35	27.664	27.883	1800.0	11944		57741	4.666		N-C18
36	27.989	28.208	1812.6	6684		37257	3.010		PHYTANE
44	30.256	30.472	1900.0	13010		67876	5.485		N-C19
52	32.736	32.950	2000.0	12746		59411	4.801		N-C20
61	35.099	35.318	2100.0	12250		55864	4.514		N-C21
70	37.360	37.584	2200.0	11041		49799	4.024		N-C22
81	39.536	39.765	2300.0	12044		51568	4.167		N-C23
90	41.616	41.850	2400.0	9360		43452	3.511		N-C24
98	43.621	43.860	2500.0	8565		38115	3.080		N-C25
104	45.555	45.794	2600.0	7328		31096	2.513		N-C26
111	47.419	47.659	2700.0	6324		25661	2.074		N-C27
119	49.216	49.457	2800.0	5741		24323	1.965		N-C28
124	50.968	51.210	2900.0	5503		22966	1.856		N-C29
129	52.645	52.888	3000.0	4398		18865	1.524		N-C30
133	54.285	54.529	3100.0	4253		16452	1.329		N-C31
138	55.853	56.098	3200.0	3281		12287	0.993		N-C32
143	57.389	57.634	3300.0	2958		16018	1.294		N-C33
146	58.883	59.128	3400.0	1898		12772	1.032		N-C34
149	60.355	60.601	3500.0	1034		8019	0.648		N-C35

Residual 71710 383210 30.965  
Total 260948 1237562 100.000

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using: Area

Analysis:7 B021107S,4,1  
Reported on 10-Feb-87 at 09:16

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MULTICHROM V3.2

Analyst Name : IANNICKE  
Information : J006

Analysis ID:

GCMS SATURATES 4 DEG/MIN.

Channel:7 Title: CHANNEL 7 Date: 7-Jan-87 Time 19:60  
Analysis: B021107S Sample Name: 3880 M Sample ID: 0 Bottle: 1  
Sample 4 Injection 1

Peak	RT	RT	RT	Hght	Area	%	Identity
R/T	m.	Corr	Val	uV	uVs		
1	15.992	16.181	1400.0	856	2472	0.300	N-C14
2	17.992	18.205	1464.7	2220	7214	0.876	I-C16
4	19.083	19.309	1500.0	4884	15904	1.930	N-C15
11	22.059	22.320	1600.0	8401	31169	3.783	N-C16
12	23.547	23.807	1652.1	5588	32401	3.933	I-C18
17	24.912	25.172	1700.0	10879	44150	5.359	N-C17
18	25.179	25.439	1709.8	6699	36208	4.395	PRISTANE
25	27.627	27.886	1800.0	10364	45044	5.467	N-C18
26	27.963	28.221	1813.0	6233	30881	3.748	PHYTANE
33	30.219	30.476	1900.0	10472	52555	6.379	N-C19
39	32.693	32.950	2000.0	9638	44874	5.447	N-C20
46	35.056	35.317	2100.0	9170	38023	4.615	N-C21
55	37.317	37.582	2200.0	8010	32662	3.964	N-C22
63	39.496	39.765	2300.0	7871	31606	3.836	N-C23
70	41.579	41.851	2400.0	5910	22901	2.767	N-C24
76	43.584	43.860	2500.0	5447	23102	2.804	N-C25
81	45.517	45.795	2600.0	4320	17851	2.167	N-C26
85	47.381	47.660	2700.0	3569	13476	1.636	N-C27
93	49.						
94	50.928	51.210	2900.0	3139	12372	1.502	N-C29
97	52.621	52.905	3000.0	2370	9947	1.207	N-C30
100	54.253	54.538	3100.0	2336	8524	1.035	N-C31
104	55.832	56.118	3200.0	1828	6889	0.836	N-C32
108	57.368	57.655	3300.0	1824	10029	1.217	N-C33
111	58.872	59.160	3400.0	1371	8957	1.087	N-C34
114	60.344	60.634	3500.0	795	6140	0.745	N-C35

Residual 43924 225190 27.333  
Total 181176 823887 100.000

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using: Area

Analyst Name :JANNICKE  
Information :J006

Analysis ID:

GCMS SATURATES 4 DEG/MIN.

Channel:7 Title: CHANNEL 7

Date 7-Jan-87 Time 21:40

Analysis:R0211075 Sample Name:4150 M

Sample ID: 0 Bottle:1

Sample 5 Injection 1

Peak	RT m.	RT	Corr	RT Val	Hght	uV	Area	uVs	X	Identity
2	16.005	16.175	1400.0	2407	7337	0.401	N-C14			
4	18.013	18.205	1464.8	5653	19396	1.061	I-C16			
6	19.104	19.307	1500.0	7690	26882	1.470	N-C15			
13	22.085	22.320	1600.0	12079	49026	2.681	N-C16			
17	23.584	23.814	1652.3	11884	70585	3.861	I-C18			
23	24.949	25.176	1700.0	15514	72716	3.977	N-C17			
24	25.216	25.441	1709.8	11488	61904	3.386	PRISTANE			
34	27.672	27.890	1800.0	15695	79497	4.348	N-C18			
35	28.013	28.231	1813.1	12311	71357	3.903	PHYTANE			
45	30.272	30.483	1900.0	17385	106456	5.823	N-C19			
54	32.747	32.950	2000.0	17095	85772	4.691	N-C20			
64	35.109	35.315	2100.0	16213	82538	4.514	N-C21			
							N-C22			
86	39.555	39.765	2300.0	14092	68593	3.752	N-C23			
97	41.637	41.850	2400.0	11343	50399	2.757	N-C24			
107	43.645	43.860	2500.0	10596	51235	2.802	N-C25			
							N-C26			
122	47.440	47.652	2700.0	7920	34160	1.868	N-C27			
132	49.237	49.448	2800.0	6655	31391	1.717	N-C28			
138	51.000	51.210	2900.0	6711	29422	1.609	N-C29			
143	52.667	52.876	3000.0	5158	22644	1.239	N-C30			
149	54.307	54.515	3100.0	5280	20691	1.132	N-C31			
154	55.885	56.092	3200.0	3348	13181	0.721	N-C32			
160	57.421	57.627	3300.0	3292	20388	1.115	N-C33			
164	58.915	59.120	3400.0	2138	17302	0.946	N-C34			
167	60.387	60.591	3500.0	930	8556	0.468	N-C35			

Residual	112287	619562	33.887
Total	358527	1828320	100.000

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using: Area



Analysis: 7 B021107S, 7, 1  
Reported on 10-Feb-87 at 09:17

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MULTICHROM V3.2

Analyst Name: JANNICKE                      Analysis ID:  
Information: J006

GCMS SATURATES 4 DEG/MIN.

Channel: 7    Title: CHANNEL 7                      Date: 8-Jan-87    Time: 0:59  
Analysis: B021107S    Sample Name: 4170 M                      Sample ID: 0    Bottle: 1  
Sample 7    Injection 1

Peak	R/T n.	RT	Corr	RT Val	Hght	uV	Area	uVs	I	Identity
1	18.003	18.216	1414.7	464	1501	0.119	I-C16			
2	19.088	19.314	1500.0	1726	5416	0.430	N-C15			
6	22.059	22.320	1600.0	3625	12586	0.999	N-C16			
7	23.547	23.802	1652.2	2383	13879	1.102	I-C18			
11	24.909	25.159	1700.0	4657	16980	1.348	N-C17			
12	25.176	25.425	1709.8	2950	14536	1.154	PRISTANE			
18	27.632	27.871	1800.0	6400	26424	2.097	N-C18			
19	27.968	28.206	1812.9	4592	24636	1.955	PHYTANE			
25	30.240	30.469	1900.0	9740	51123	4.058	N-C19			
32	32.731	32.950	2000.0	12103	56005	4.445	N-C20			
41	35.107	35.324	2100.0	13775	64209	5.096	N-C21			
51	37.376	37.591	2200.0	13269	62316	4.946	N-C22			
62	39.560	39.773	2300.0	14383	68567	5.442	N-C23			
71	41.637	41.849	2400.0	11820	52744	4.186	N-C24			
81	43.651	43.860	2500.0	11028	52109	4.136	N-C25			
88	45.581	45.791	2600.0	9311	43417	3.446	N-C26			
95	47.445	47.655	2700.0	8803	40395	3.206	N-C27			
105	49.243	49.453	2800.0	7667	37068	2.942	N-C28			
111	51.000	51.210	2900.0	8620	38543	3.059	N-C29			
116	52.677	52.887	3000.0	6432	28852	2.290	N-C30			
121	54.328	54.538	3100.0	7405	29413	2.334	N-C31			
127	55.885	56.096	3200.0	4605	16334	1.296	N-C32			
133	57.421	57.632	3300.0	4422	24077	1.911	N-C33			
136	58.904	59.115	3400.0	2683	16638	1.479	N-C34			
139	60.376	60.587	3500.0	1515	11711	0.929	N-C35			

Residual                      79724    448486    35.595  
Total                            254103    1259963    100.000

Sample Type: SA    Scale Factor: 1.000    Amount: 1.000  
Method: MSDS    Calibration: MSDS    Type: UC    Using: Area

Analysis: 7 B021107S, 8, 1  
Reported on 10-Feb-87 at 09:17

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MULTICHROM V3.2

Analyst Name : JANNICKE                      Analysis ID:  
Information : J006

GCMS SATURATES 4 DEG/MIN.

Channel: 7 Title: CHANNEL 7                      Date 8-Jan-87 Time 2:39  
Analysis: B021107S      Sample Name: 4190 M                      Sample ID: 0      Bottle: 1  
Sample 8      Injection 1

Peak	R/T m.	RT	Corr	RT Val	Hght	uVs	Area	uVs	Z	Identity
4	18.008	18.191	1464.7	4730	15812	1.038	I-C16			
6	19.104	19.298	1500.0	9350	32272	2.119	N-C15			
14	22.096	22.320	1600.0	15324	67130	4.407	N-C16			
19	23.579	23.801	1651.8	10809	66949	4.395	I-C18			
25	24.960	25.181	1700.0	18617	89797	5.895	N-C17			
26	25.211	25.432	1709.2	10924	58161	3.818	PRISTANE			
36	27.677	27.896	1800.0	17507	87106	5.719	N-C18			
37	28.003	28.221	1812.6	9766	54958	3.608	PHYTANE			
46	30.267	30.483	1900.0	16896	94553	6.208	N-C19			
53	32.736	32.950	2000.0	15641	73829	4.847	N-C20			
62	35.096	35.315	2100.0	14540	65269	4.285	N-C21			
71	37.355	37.578	2200.0	12211	54229	3.560	N-C22			
82	39.531	39.758	2300.0	11783	52850	3.470	N-C23			
91	41.613	41.845	2400.0	9452	46576	3.058	N-C24			
99	43.624	43.860	2500.0	8797	38643	2.537	N-C25			
105	45.555	45.794	2600.0	7269	30284	1.988	N-C26			
112	47.413	47.657	2700.0	6185	24536	1.611	N-C27			
119	49.216	49.463	2800.0	5514	23238	1.526	N-C28			
125	50.960	51.210	2900.0	5117	21670	1.423	N-C29			
130	52.645	52.899	3000.0	4372	17643	1.158	N-C30			
134	54.285	54.542	3100.0	4115	16254	1.067	N-C31			
138	55.864	56.123	3200.0	3164	11315	0.743	N-C32			
144	57.400	57.662	3300.0	2728	15588	1.023	N-C33			
148	58.893	59.158	3400.0	1865	12856	0.844	N-C34			
151	60.365	60.633	3500.0	991	7490	0.492	N-C35			
Residual				85371	439144	28.831				
Total				314770	1523193	100.000				

Sample Type: SA      Scale Factor: 1.000      Amount: 1.000  
Method: MSUS      Calibration: MSUS      Type: UC      Using: Area

D 93.2

Analyst Name : JANNICKE  
Information : J006

Analysis ID:

GCMS SATURATES 4 DEG/MIN.

Channel: 7 Title: CHANNEL 7 Date: 8-Jan-87 Time: 4:19  
Analysis: B0211075 Sample Name: 4260 M Sample ID: 0 Bottle: 1  
Sample 9 Injection 1

Peak	R/T #	RT	Corr	RT Val	Hght	Area	uVs	Z	Identity
4	16.003	16.181	1400.0	4431	12488	1.386	N-C14		
9	18.003	18.203	1464.6	5096	17051	1.893	I-C16		
11	19.099	19.311	1500.0	9903	33328	3.699	N-C15		
19	22.075	22.320	1600.0	11995	45881	5.093	N-C16		
22	23.541	23.790	1651.5	6028	35703	3.963	I-C18		
28	24.920	25.171	1700.0	13874	55007	6.106	N-C17		
29	25.176	25.428	1709.4	6873	35596	3.951	PRISTANE		
37	27.629	27.886	1800.0	11128	50868	5.646	N-C18		
38	27.955	28.212	1812.6	5637	29452	3.269	PHYTANE		
46	30.213	30.476	1900.0	10951	53373	5.925	N-C19		
52	32.683	32.950	2000.0	10342	43431	4.821	N-C20		
60	35.043	35.317	2100.0	9504	38667	4.292	N-C21		
69	37.296	37.577	2200.0	7983	32160	3.570	N-C22		
76	39.469	39.757	2300.0	7673	29830	3.311	N-C23		
83	41.552	41.846	2400.0	6043	22589	2.507	N-C24		
88	43.560	43.860	2500.0	5492	22385	2.485	N-C25		
92	45.491	45.794	2600.0	4276	17419	1.934	N-C26		
97	47.355	47.662	2700.0	3584	14579	1.618	N-C27		
102	49.155	49.465	2800.0	3144	13246	1.470	N-C28		
106	50.896	51.210	2900.0	3030	12493	1.387	N-C29		
109	52.589	52.907	3000.0	2504	10581	1.174	N-C30		
112	54.221	54.542	3100.0	2568	9459	1.050	N-C31		
115	55.811	56.134	3200.0	2127	7955	0.883	N-C32		
119	57.347	57.673	3300.0	2057	9980	1.108	N-C33		
121	58.840	59.169	3400.0	1429	8624	0.957	N-C34		
123	60.323	60.655	3500.0	847	5865	0.651	N-C35		
Residual					49296	232881	25.850		
Total					207811	900892	100.000		

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using: Area



Analysis:7 C021107S,1,1  
Reported on 10-Feb-87 at 09:30

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Analyst Name :JANNICKE  
Information :J007

Analysis ID:

GCMS SATURATES 4 DEG/MIN.

Channel:7 Title: CHANNEL 7 Date 8 Jan-87 Time 16:38  
Analysis:C021107S Sample Name:4290 M Sample ID: 0 Bottle:1  
Sample 1 Injection 1

Peak	R/T	m.	RT	Corr	RI	Val	Hght	uV	Area	uVs	%	Identity
11	18.013	18.196	1464.5	5085	17611	1.061	I-C16					
13	19.112	19.306	1500.0	10093	34746	2.093	N-C15					
21	22.096	22.330	1600.0	13855	53965	3.251	N-C16					
26	23.579	23.798	1651.8	7601	48572	2.936	I-C18					
32	24.960	25.176	1700.0	17114	77916	4.694	N-C17					
33	25.211	25.426	1709.2	9465	51861	3.124	PRISTANE					
42	27.680	27.888	1800.0	16893	83987	5.060	N-C18					
43	28.000	28.207	1812.3	8978	48363	2.913	PHYTANE					
54	30.277	30.477	1900.0	17644	104385	6.288	N-C19					
64	32.757	32.950	2000.0	16484	81947	4.937	N-C20					
73	35.123	35.320	2100.0	15943	76584	4.614	N-C21					
83	37.384	37.585	2200.0	13345	62403	3.759	N-C22					
95	39.560	39.765	2300.0	12746	60912	3.670	N-C23					
104	41.637	41.846	2400.0	10541	46517	2.802	N-C24					
113	43.648	43.860	2500.0	9614	42439	2.557	N-C25					
119	45.581	45.792	2600.0	7590	32939	1.984	N-C26					
128	47.451	47.660	2700.0	6689	26491	1.596	N-C27					
137	49.253	49.462	2800.0	5929	25185	1.517	N-C28					
144	51.003	51.210	2900.0	5664	24524	1.477	N-C29					
149	52.677	52.884	3000.0	4460	20858	1.257	N-C30					
153	54.317	54.523	3100.0	4286	16086	0.969	N-C31					
158	55.896	56.100	3200.0	3357	12514	0.754	N-C32					
162	57.432	57.635	3300.0	3078	17694	1.066	N-C33					
165	58.925	59.128	3400.0	2046	14541	0.876	N-C34					
168	60.397	60.599	3500.0	1064	4499	0.271	N-C35					

Residual 107653 556844 33.546  
Total 342479 1659962 100.000

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using:Area

Analysis: 7 E021107S, 7, 1  
Reported on 10-Feb-87 at 09:39

M U L T I C H R O M V3.2

Page 1

Analyst Name : JANNICKE  
Information : JO18

Analysis ID:

GCMS SATURATES 4 DEG/MIN.

Channel: 7 Title: CHANNEL 7

Date 19-Jan-87 Time 0:59

Analysis: E021107S Sample Name: 4300M  
Sample 7 Injection 1

Sample ID: 0 Bottle: 1

Peak	R/T	m.	RT	Corr	RT	Val	Hght	uV	Area	uVs	%	Identity
7	15.909	16.149	1400.0	7262	21671	1.440	N-C14					
13	17.915	18.184	1464.6	8843	30054	1.997	I-C16					
15	19.013	19.299	1500.0	14621	52749	3.505	N-C15					
24	21.989	22.320	1600.0	17530	70950	4.715	N-C16					
30	23.461	23.794	1651.6	9578	61253	4.071	I-C18					
35	24.840	25.174	1700.0	18212	82157	5.460	N-C17					
36	25.091	25.425	1709.3	9873	50418	3.351	PRISTANE					
46	27.549	27.886	1800.0	16549	76174	5.062	N-C18					
47	27.875	28.212	1812.5	8728	47177	3.135	PHYTANE					
58	30.144	30.483	1900.0	16477	92445	6.143	N-C19					
67	32.608	32.950	2000.0	15943	68169	4.530	N-C20					
76	34.971	35.319	2100.0	14258	62518	4.155	N-C21					
86	37.227	37.580	2200.0	12369	50332	3.345	N-C22					
97	39.403	39.762	2300.0	12100	50278	3.341	N-C23					
105	41.483	41.847	2400.0	9419	36028	2.394	N-C24					
115	43.491	43.860	2500.0	8510	34909	2.320	N-C25					
121	45.421	45.793	2600.0	6905	26892	1.787	N-C26					
128	47.285	47.659	2700.0	5782	20957	1.393	N-C27					
135	49.088	49.464	2800.0	5236	20051	1.333	N-C28					
142	50.832	51.210	2900.0	4937	19558	1.300	N-C29					
145	52.515	52.895	3000.0	3565	15246	1.013	N-C30					
149	54.157	54.539	3100.0	3433	12343	0.820	N-C31					
153	55.725	56.109	3200.0	2407	8568	0.569	N-C32					
157	57.261	57.647	3300.0	2276	11639	0.774	N-C33					
160	58.755	59.142	3400.0	1502	9258	0.615	N-C34					
163	60.216	60.605	3500.0	740	5331	0.354	N-C35					

Residual 98849 467649 31.078  
Total 335904 1504775 100.000

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using: Area

Analyst Name : JANNICKE  
Information : J007

Analysis ID:

GCMS SATURATES 4 DEG/MIN.

Channel: 7 Title: CHANNEL 7 Date: 8-Jan-87 Time 18:15  
Analysis: C0211075 Sample Name: 4310 M Sample ID: 0 Bottle: 1  
Sample 2 Injection 1

Peak R/T #	RT	Corr	RT Val	Hght	uV	Area	uVs	Z	Identity
8	16.027	16.177	1400.0	9018	29239	1.837	N-C14		
15	18.035	18.204	1464.6	11146	40883	2.568	I-C16		
17	19.136	19.316	1500.0	16320	62370	3.918	N-C15		
28	22.112	22.320	1600.0	18319	77988	4.899	N-C16		
34	23.589	23.799	1651.7	11130	71021	4.461	I-C18		
39	24.968	25.179	1700.0	18972	89010	5.591	N-C17		
40	25.213	25.425	1709.1	10525	57759	3.628	PRISTANE		
49	27.677	27.891	1800.0	16114	81119	5.095	N-C18		
50	28.003	28.217	1812.6	9494	51915	3.261	PHYTANE		
60	30.261	30.478	1900.0	15782	89240	5.605	N-C19		
68	32.731	32.950	2000.0	14854	68346	4.293	N-C20		
77	35.096	35.321	2100.0	13230	61056	3.835	N-C21		
86	37.355	37.584	2200.0	11658	49443	3.106	N-C22		
96	39.531	39.765	2300.0	11341	48488	3.046	N-C23		
104	41.605	41.845	2400.0	8617	38621	2.426	N-C24		
112	43.616	43.860	2500.0	7825	32786	2.059	N-C25		
117	45.549	45.798	2600.0	6032	25646	1.611	N-C26		
125	47.413	47.666	2700.0	5333	20381	1.280	N-C27		
134	49.211	49.467	2800.0	4415	20163	1.267	N-C28		
140	50.949	51.210	2900.0	4100	17781	1.117	N-C29		
144	52.635	52.899	3000.0	3276	14622	0.918	N-C30		
148	54.285	54.554	3100.0	3113	12046	0.757	N-C31		
152	55.853	56.125	3200.0	2422	8856	0.556	N-C32		
157	57.400	57.675	3300.0	2374	13700	0.861	N-C33		
161	58.883	59.161	3400.0	1761	12217	0.767	N-C34		
164	60.365	60.647	3500.0	833	6903	0.434	N-C35		

Residual 100780 490401 30.804  
Total 338788 1592001 100.000

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using: Area

Analysis: 7 C021107S, 3, 1  
Reported on 10-Feb-87 at 09:30

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MULTICHROM V3.2

Analyst Name : JANNICKE                      Analysis ID:  
Information : J007

GCMS SATURATES 4 DEG/MIN.

Channel: 7    Title: CHANNEL 7                      Date: 8-Jan-87    Time: 19:54  
Analysis: C021107S    Sample Name: 4320 M                      Sample ID: 0    Bottle: 1  
Sample 3    Injection 1

Peak	R/T #	RT	Corr	RT Val	Hght	Area	uVs	Z	Identity
2	15.984	16.189	1400.0	1732	4748	1.387	N-C14		
4	17.984	18.215	1464.9	2549	8093	2.364	I-C16		
6	19.067	19.311	1500.0	4470	13534	3.952	N-C15		
12	22.037	22.320	1600.0	5651	18937	5.530	N-C16		
13	23.520	23.806	1652.3	3167	17658	5.157	I-C18		
18	24.875	25.165	1700.0	6255	22358	6.529	N-C17		
19	25.131	25.421	1709.4	3116	14220	4.153	PRISTANE		
25	27.584	27.881	1800.0	5167	21497	6.278	N-C18		
26	27.909	28.207	1812.6	2649	13563	3.961	PHYTANE		
30	30.171	30.474	1900.0	4841	23871	6.971	N-C19		
34	32.640	32.950	2000.0	4470	19143	5.590	N-C20		
37	35.003	35.315	2100.0	4032	15242	4.451	N-C21		
39	37.264	37.578	2200.0	3109	13011	3.800	N-C22		
42	39.440	39.755	2300.0	3070	11327	3.308	N-C23		
44	41.531	41.848	2400.0	2325	8649	2.526	N-C24		
47	43.541	43.860	2500.0	1917	8211	2.398	N-C25		
48	45.477	45.795	2600.0	1543	6710	1.960	N-C26		
50	47.344	47.660	2700.0	1326	5308	1.550	N-C27		
51	49.147	49.462	2800.0	1177	5502	1.607	N-C28		
52	50.896	51.210	2900.0	1202	5327	1.556	N-C29		
53	52.589	52.902	3000.0	1018	4105	1.199	N-C30		
55	54.221	54.533	3100.0	1056	4414	1.289	N-C31		
58	55.811	56.122	3200.0	989	3912	1.142	N-C32		
61	57.357	57.667	3300.0	1005	5324	1.555	N-C33		
63	58.840	59.149	3400.0	932	5374	1.569	N-C34		
65	60.333	60.641	3500.0	598	3991	1.165	N-C35		

Residual                      13534      58396      17.054  
Total                              82901      342424      100.000

Sample Type: SA    Scale Factor: 1.000    Amount: 1.000  
Method: MSDS      Calibration: MSDS      Type: UC      Using: Area

Analysis:7 C021107S.4.1  
Reported on 10 Feb-87 at 09:30

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MULTICHROM V3.2

Analyst Name :JANNICKE  
Information :J007

Analysis ID:

GCMS SATURATES 4 DEG/MIN.

Channel:7 Title: CHANNEL 7

Date 8-Jan-87 Time 21:33

Analysis:C021107S Sample Name:4330 M  
Sample 4 Injection 1

Sample ID: 0 Bottle:1

Peak	R/T	n	RT	Corr	RT	Val	Hght	uV	Area	uVs	%	Identity
3	16.013		16.183	1400.0		3196		9068		1.469		N-C14
8	18.013		18.205	1464.6		3820		12241		1.983		I-C16
10	19.109		19.312	1500.0		8056		26548		4.300		N-C15
18	22.085		22.320	1600.0		10349		36503		5.913		N-C16
21	23.568		23.804	1652.1		4573		28276		4.580		I-C18
26	24.933		25.170	1700.0		10965		43643		7.069		N-C17
27	25.184		25.420	1709.2		4983		25542		4.137		PRISTANE
34	27.648		27.886	1800.0		9211		39365		6.376		N-C18
35	27.973		28.211	1812.6		3797		18793		3.044		PHYTANE
42	30.235		30.474	1900.0		8553		40058		6.488		N-C19
48	32.709		32.950	2000.0		7780		33059		5.355		N-C20
54	35.072		35.315	2100.0		6724		27443		4.445		N-C21
62	37.333		37.578	2200.0		5565		21731		3.520		N-C22
69	39.512		39.758	2300.0		5439		19992		3.238		N-C23
72	41.595		41.842	2400.0		3722		13584		2.200		N-C24
77	43.611		43.860	2500.0		3205		13144		2.129		N-C25
79	45.541		45.794	2600.0		2553		9934		1.609		N-C26
82	47.411		47.666	2700.0		2072		7553		1.223		N-C27
84	49.211		49.469	2800.0		1741		7547		1.222		N-C28
87	50.949		51.210	2900.0		1574		6916		1.120		N-C29
89	52.645		52.909	3000.0		1328		5459		0.884		N-C30
92	54.285		54.551	3100.0		1186		4954		0.802		N-C31
95	55.875		56.143	3200.0		959		3659		0.593		N-C32
98	57.421		57.692	3300.0		822		4721		0.765		N-C33
100	58.904		59.177	3400.0		688		4426		0.717		N-C34
102	60.387		60.662	3500.0		357		2902		0.470		N-C35

Residual	33098	150329	24.349
Total	146314	617391	100.000

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using:Area

Reported on 10-Feb-87 at 09:31

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MULTICHROM V3.2

Analyst Name : IANNICRE                      Analysis ID:  
Information : J007

GCMS SATURATES 4 DEG/MIN.

Channel: 7    Title: CHANNEL 7                      Date: 8-Jan-87    Time 23:13  
Analysis: CO211075    Sample Name: 4340 M                      Sample ID: 0    Bottle: 1  
Sample 5    Injection 1

Peak R/T n.	RT	Corr	RT Val	Hght	uV	Area	uVs	Z	Identity
2	15.995	16.184	1400.0	2496	7100	1.252	N-C14		
5	17.992	18.205	1464.7	3356	10581	1.866	I-C16		
7	19.083	19.309	1500.0	6941	22119	3.902	N-C15		
15	22.059	22.320	1600.0	9235	31367	5.536	N-C16		
18	23.531	23.795	1651.8	4052	24981	4.406	I-C18		
23	24.901	25.169	1700.0	9874	38737	6.833	N-C17		
24	25.157	25.425	1709.4	4539	23653	4.172	PRISTANE		
30	27.611	27.884	1800.0	8773	35724	6.301	N-C18		
31	27.931	28.204	1812.4	3610	17674	3.118	PHYTANE		
38	30.197	30.476	1900.0	8041	37282	6.576	N-C19		
44	32.667	32.950	2000.0	7411	31105	5.486	N-C20		
49	35.029	35.317	2100.0	6645	25830	4.556	N-C21		
57	37.291	37.582	2200.0	5484	22113	3.900	N-C22		
61	39.461	39.757	2300.0	5233	20334	3.587	N-C23		
64	41.547	41.846	2400.0	3731	14044	2.477	N-C24		
68	43.557	43.860	2500.0	3432	13807	2.435	N-C25		
70	45.493	45.796	2600.0	2612	10759	1.898	N-C26		
73	47.363	47.666	2700.0	2221	8201	1.447	N-C27		
75	49.165	49.469	2800.0	1906	7903	1.394	N-C28		
77	50.907	51.210	2900.0	1752	7321	1.291	N-C29		
79	52.592	52.895	3000.0	1358	6073	1.071	N-C30		
82	54.232	54.536	3100.0	1339	5411	0.954	N-C31		
85	55.821	56.125	3200.0	1168	4497	0.793	N-C32		
88	57.357	57.661	3300.0	1136	5888	1.039	N-C33		
89	58.851	59.155	3400.0	994	5657	0.998	N-C34		
91	60.333	60.638	3500.0	638	4076	0.719	N-C35		
Residual				27735	124685	21.993			
Total				135711	566940	100.000			

Sample Type: SA    Scale Factor: 1.000    Amount: 1.000  
Method: MSDS    Calibration: MSDS    Type: UC    Using: Area

Analysis:7 C021107S,6,1  
Reported on 10-Feb-87 at 09:31

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MULTICHROM V3.2

Analyst Name :JANNICKE Analysis ID:  
Information :J007

GCMS SATURATES 4 DEG/MIN.

Channel:7 Title: CHANNEL 7 Date 9-Jan-87 Time 0:52  
Analysis:C021107S Sample Name:4350 M Sample ID: 0 Bottle:1  
Sample 6 Injection 1

Peak	R/T	n	RT	Corr	RT	Val	Hght	uV	Area	uVs	Z	Identity
2	16.003		16.181		1400.0		1310		3759		0.303	N-C14
3	18.003		18.203		1464.7		2030		6723		0.542	I-C16
5	19.093		19.306		1500.0		5028		17077		1.377	N-C15
13	22.075		22.320		1600.0		9682		35447		2.857	N-C16
16	23.557		23.799		1651.8		4885		31743		2.559	I-C18
21	24.939		25.177		1700.0		13614		57616		4.644	N-C17
22	25.179		25.416		1708.8		6344		35188		2.837	PRISTANE
31	27.653		27.885		1800.0		13761		64859		5.228	N-C18
32	27.979		28.210		1812.5		6108		33149		2.672	PHYTANE
42	30.256		30.481		1900.0		15005		83482		6.729	N-C19
51	32.731		32.950		2000.0		14018		66946		5.397	N-C20
60	35.096		35.318		2100.0		13779		63209		5.095	N-C21
70	37.355		37.580		2200.0		12266		53889		4.344	N-C22
80	39.539		39.767		2300.0		13191		56626		4.565	N-C23
89	41.619		41.849		2400.0		9781		44179		3.561	N-C24
99	43.627		43.860		2500.0		8441		37690		3.038	N-C25
105	45.560		45.793		2600.0		7153		30208		2.435	N-C26
112	47.424		47.656		2700.0		6033		24366		1.964	N-C27
119	49.221		49.453		2800.0		5267		23719		1.912	N-C28
125	50.979		51.210		2900.0		5044		20660		1.665	N-C29
129	52.656		52.887		3000.0		4032		16939		1.365	N-C30
133	54.296		54.526		3100.0		3915		15114		1.218	N-C31
137	55.875		56.105		3200.0		3060		11218		0.904	N-C32
141	57.400		57.630		3300.0		2659		13272		1.070	N-C33
145	58.893		59.123		3400.0		1792		11818		0.953	N-C34
147	60.365		60.594		3500.0		954		6557		0.529	N-C35

Residual	73889	375097	30.236
Total	263041	1240549	100.000

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSUS Calibration: MSUS Type: UC Using:Area

Analysis: 7 CO211079.7.1  
Reported on 10-Feb-87 at 09:31

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M U L T I C H R O M U S . 2

Analyst Name : JANNICRE                      Analysis ID:  
Information : J007

GCMS SATURATES 4 DEG/MIN.

Channel: 7    Title: CHANNEL 7                      Date 9-Jan-87    Time 2:32  
Analysis: CO211079    Sample Name: 4360 M                      Sample ID: 0    Bottle: 1  
Sample 7    Injection 1

Peak	RT m.	RT Corr	RT Val	Hght uV	Area uVs	Z	Identity
1	17.979	18.205	1414.8	449	1411	0.226	I-C16
2	19.061	19.301	1500.0	2015	6134	0.983	N-C15
6	22.043	22.320	1600.0	6500	22377	3.585	N-C16
7	23.525	23.804	1652.1	3579	21046	3.372	I-C18
12	24.891	25.170	1700.0	10002	38469	6.164	N-C17
13	25.147	25.426	1709.4	4584	23498	3.765	PRISTANE
19	27.611	27.891	1800.0	9828	40554	6.498	N-C18
20	27.931	28.211	1812.4	4100	20143	3.227	PHYTANE
27	30.197	30.479	1900.0	9707	45402	7.275	N-C19
33	32.667	32.950	2000.0	9080	39589	6.343	N-C20
39	35.029	35.316	2100.0	8336	33892	5.430	N-C21
48	37.291	37.581	2200.0	7248	28092	4.501	N-C22
54	39.469	39.763	2300.0	7206	27272	4.370	N-C23
58	41.547	41.844	2400.0	5397	19384	3.106	N-C24
63	43.560	43.860	2500.0	4744	19897	3.188	N-C25
68	45.491	45.794	2600.0	3888	15522	2.487	N-C26
72	47.357	47.665	2700.0	3209	11816	1.893	N-C27
75	49.155	49.465	2800.0	2750	11522	1.846	N-C28
79	50.896	51.210	2900.0	2524	10702	1.715	N-C29
82	52.581	52.899	3000.0	2063	8544	1.369	N-C30
85	54.221	54.542	3100.0	1968	7589	1.216	N-C31
88	55.811	56.134	3200.0	1652	6043	0.968	N-C32
92	57.347	57.673	3300.0	1545	7807	1.251	N-C33
94	58.840	59.169	3400.0	1167	7180	1.150	N-C34
96	60.312	60.644	3500.0	670	4714	0.755	N-C35

Residual	30425	145523	23.316
Total	144635	624120	100.000

Sample Type: SA    Scale Factor: 1.000    Amount: 1.000  
Method: MSDS    Calibration: MSDS    Type: UC    Using: Area



Analysis: 7 CO21107S, 8, 1  
Reported on 10-Feb-87 at 09:31

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MULTICHROM V3.2

Analyst Name : JANNICKE                      Analysis ID:  
Information : J007

GCMS SATURATES 4 DEG/MIN.

Channel: 7    Title: CHANNEL 7                      Date 9-Jan-87    Time 4:12  
Analysis: CO21107S    Sample Name: 4370 M                      Sample ID: 0    Bottle: 1  
Sample 8    Injection 1

Peak	R/T	n.	RT	Corr	RT	Val	Hght	uV	Area	uVs	X	Identity
1	15.995		16.192	1400.0		468		1285	0.231			N-C14
2	17.989		18.211	1464.8		769		2453	0.440			I-C16
3	19.075		19.310	1500.0		2057		6367	1.142			N-C15
7	22.048		22.320	1600.0		4177		13774	2.471			N-C16
8	23.531		23.802	1652.1		2032		12574	2.256			I-C18
13	24.896		25.167	1700.0		6872		25022	4.490			N-C17
14	25.157		25.428	1709.6		3073		16027	2.876			PRISTANE
20	27.616		27.886	1800.0		7665		31412	5.636			N-C18
21	27.941		28.211	1812.5		3119		15722	2.821			PHYTANE
27	30.213		30.482	1900.0		8751		39039	7.004			N-C19
33	32.683		32.950	2000.0		8302		36983	6.636			N-C20
39	35.045		35.317	2100.0		8153		33214	5.959			N-C21
48	37.312		37.588	2200.0		7132		38447	5.104			N-C22
55	39.485		39.765	2300.0		7502		28126	5.046			N-C23
60	41.568		41.851	2400.0		5328		20182	3.621			N-C24
65	43.573		43.860	2500.0		4845		19897	3.570			N-C25
69	45.512		45.797	2600.0		3914		15850	2.844			N-C26
74	47.376		47.660	2700.0		3301		13139	2.357			N-C27
79	49.179		49.462	2800.0		2777		11627	2.086			N-C28
82	50.928		51.210	2900.0		2485		10878	1.952			N-C29
85	52.613		52.894	3000.0		2066		8923	1.601			N-C30
89	54.253		54.533	3100.0		2015		7864	1.411			N-C31
92	55.843		56.122	3200.0		1671		6321	1.134			N-C32
96	57.379		57.657	3300.0		1529		7858	1.410			N-C33
98	58.872		59.149	3400.0		1139		7007	1.257			N-C34
100	60.355		60.631	3500.0		670		4692	0.842			N-C35

Residual	27902	132664	23.803
Total	129715	557348	100.000

Sample Type: SA    Scale Factor: 1.000    Amount: 1.000  
Method: MSDS    Calibration: MSDS    Type: UC    Using: Area



Analysis:7 D021107S.1.1  
Reported on 10-Feb-87 at 09:34

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M U L T I C H R O M V3.2

Analyst Name :JANNICKE Analysis ID:  
Information :J008

GCMS SATURATES 4 DEG/MIN.

Channel:7 Title: CHANNEL 7 Date 9-Jan-87 Time 15:21  
Analysis:D021107S Sample Name:4390 M Sample ID: 0 Bottle:1  
Sample 1 Injection 1

Peak	R/T #.	RT	Corr	RT Val	Hght	Area	%	Identity
					uV	uVs		
1	15.955	16.175	1400.0	1228	3387	0.708	N-C14	
3	17.952	18.200	1464.7	2150	6628	1.386	I-C16	
5	19.043	19.306	1500.0	5532	17235	3.603	N-C15	
13	22.016	22.320	1600.0	8086	26992	5.643	N-C16	
15	23.488	23.796	1651.8	3464	20816	4.352	I-C18	
20	24.859	25.170	1700.0	9249	33416	6.986	N-C17	
21	25.115	25.427	1709.5	3883	20062	4.194	PRISTANE	
27	27.563	27.881	1800.0	7869	30342	6.343	N-C18	
28	27.893	28.212	1812.8	3156	15433	3.226	PHYTANE	
34	30.149	30.474	1900.0	7373	32510	6.796	N-C19	
40	32.619	32.950	2000.0	6316	27064	5.658	N-C20	
43	34.976	35.314	2100.0	5763	33420	4.896	N-C21	
48	37.240	37.584	2200.0	4759	18673	3.904	N-C22	
52	39.408	39.758	2300.0	4785	18033	3.770	N-C23	
54	41.493	41.849	2400.0	3504	12873	2.691	N-C24	
57	43.499	43.860	2500.0	3087	12949	2.707	N-C25	
59	45.429	45.792	2600.0	2492	9956	2.081	N-C26	
62	47.304	47.668	2700.0	2104	8003	1.673	N-C27	
64	49.099	49.465	2800.0	1843	7678	1.605	N-C28	
68	50.843	51.210	2900.0	1848	7542	1.577	N-C29	
70	52.528	52.897	3000.0	1504	6272	1.311	N-C30	
73	54.168	54.538	3100.0	1632	6242	1.305	N-C31	
76	55.757	56.129	3200.0	1504	5850	1.223	N-C32	
79	57.293	57.666	3300.0	1395	6663	1.393	N-C33	
80	58.787	59.160	3400.0	1134	6086	1.272	N-C34	
82	60.259	60.634	3500.0	813	4591	0.960	N-C35	

Residual 21317 89636 18.738  
Total 117790 478355 100.000

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using:Area

Analysis: 7 00211075, 2, 1  
Reported on 10-Feb-87 at 09:34

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MULTICHROM V3.2

Analyst Name : JANNICKE                      Analysis ID:  
Information : J008

GCMS SATURATES 4 DEG/MIN.

Channel: 7    Title: CHANNEL 7                      Date: 9-Jan-87    Time: 16:54  
Analysis: 00211075    Sample Name: 4400 M                      Sample ID: 0    Bottle: 1  
Sample 2    Injection 1

Peak	R/T #.	RT	Corr	RT Val	Hght	uV	Area	uVs	Z	Identity
1	15.984	16.185	1400.0	240	664	0.145	N-C14			
2	17.976	18.202	1464.7	986	3116	0.679	I-C16			
3	19.061	19.301	1500.0	3370	10180	2.217	N-C15			
9	22.043	22.320	1600.0	6969	24092	5.247	N-C16			
10	23.520	23.800	1652.0	3716	21534	4.690	I-C18			
15	24.885	25.167	1700.0	8881	33292	7.251	N-C17			
16	25.147	25.429	1709.6	4249	21700	4.726	PRISTANE			
22	27.595	27.881	1800.0	7559	30856	6.720	N-C18			
23	27.925	28.212	1812.8	3602	17715	3.858	PHYTANE			
29	30.187	30.477	1900.0	7360	33230	7.237	N-C19			
					10	0.04	N-C20			
39	35.019	35.315	2100.0	5783	22685	4.941	N-C21			
43	37.280	37.578	2200.0	4587	18292	3.984	N-C22			
46	39.461	39.761	2300.0	4585	17359	3.781	N-C23			
48	41.552	41.853	2400.0	3300	12653	2.756	N-C24			
52	43.557	43.860	2500.0	2989	12669	2.759	N-C25			
54	45.493	45.796	2600.0	2365	9783	2.131	N-C26			
56	47.368	47.671	2700.0	2014	7748	1.688	N-C27			
57	49.168	49.471	2800.0	1754	7395	1.611	N-C28			
60	50.907	51.210	2900.0	1612	7148	1.557	N-C29			
61	52.611	52.914	3000.0	1359	6916	1.506	N-C30			
64	54.235	54.538	3100.0	1345	5519	1.202	N-C31			
67	55.832	56.136	3200.0	1073	4365	0.951	N-C32			
71	57.368	57.672	3300.0	1033	5478	1.193	N-C33			
73	58.861	59.165	3400.0	821	4854	1.057	N-C34			
75	60.344	60.648	3500.0	514	3608	0.786	N-C35			
Residual				19069	89641	19.523				
Total				107359	459144	100.000				

Sample Type: SA    Scale Factor: 1.000    Amount: 1.000  
Method: MSMS    Calibration: MSMS    Type: UC    Using: Area

Analysis: 7 D021107S, 3, 1  
Reported on 10-Feb-87 at 09:24

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M U L T I C H R O M U L D

Analyst Name : JANNICKE Analysis ID:  
Information : J008

GCMS SATURATES 4 DEG/MIN.

Channel: 7 Title: CHANNEL 7 Date: 9-Jan-87 Time 18:31  
Analysis: D021107S Sample Name: 4460 M Sample ID: 0 Bottle: 1  
Sample 3 Injection 1

Peak	R/T	m.	RI	Corr	RT	Val	Hght	uV	Area	uVs	%	Identity
4	15.997		16.171	1400.0		4113		11730		1.068		N-C14
9	17.992		18.188	1464.4		2740		9206		0.838		I-C16
11	19.096		19.304	1500.0		10088		33860		3.082		N-C15
19	22.080		22.320	1600.0		13413		50329		4.581		N-C16
24	23.541		23.781	1651.2		3438		15614		1.421		I-C18
29	24.933		25.174	1700.0		15055		65039		5.920		N-C17
30	25.179		25.419	1709.1		5861		30587		2.784		PRISTANE
40	27.643		27.883	1800.0		13949		64128		5.837		N-C18
41	27.957		28.198	1812.1		4587		23113		2.104		PHYTANE
50	30.240		30.481	1900.0		13868		68497		6.234		N-C19
57	32.709		32.950	2000.0		12820		56676		5.158		N-C20
66	35.072		35.317	2100.0		11785		51692		4.705		N-C21
75	37.333		37.583	2200.0		10404		43569		3.965		N-C22
85	39.509		39.764	2300.0		10860		45541		4.145		N-C23
93	41.589		41.848	2400.0		8038		35017		3.187		N-C24
101	43.597		43.860	2500.0		7056		30841		2.807		N-C25
106	45.528		45.793	2600.0		6025		24347		2.216		N-C26
112	47.392		47.659	2700.0		5311		21009		1.912		N-C27
118	49.195		49.464	2800.0		4447		18671		1.699		N-C28
124	50.939		51.210	2900.0		4344		17252		1.570		N-C29
128	52.624		52.897	3000.0		3475		14309		1.302		N-C30
133	54.264		54.539	3100.0		3388		13345		1.215		N-C31
137	55.835		56.112	3200.0		2834		11713		1.066		N-C32
141	57.389		57.668	3300.0		2344		10713		0.975		N-C33
143	58.872		59.153	3400.0		1666		9438		0.859		N-C34
145	60.355		60.637	3500.0		1020		6188		0.563		N-C35

Residual 66751 316295 28.788  
Total 249682 1098718 100.000

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using: Area

Analysis: 7 D021107S, 4, 1  
Reported on 10-Feb-87 at 09:34

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MULTICHROM V3.2

Analyst Name : JANNICKE  
Information : 1008

Analysis ID:

GCMS SATURATES 4 DEG/MIN.

Channel: 7 Title: CHANNEL 7 Date: 9-Jan-87 Time: 20:10  
Analysis: D021107S Sample Name: 4500 M Sample ID: 0 Bottle: 1  
Sample 4 Injection 1

Peak	R/T n.	RT	Corr	RT Val	Hght uV	Area uVs	Z	Identity
2	15.987	16.172	1400.0	2855	8206	1.115	N-C14	
6	17.981	18.190	1464.4	2072	6848	0.931	I-C16	
8	19.083	19.304	1500.0	8375	27506	3.739	N-C15	
16	22.064	22.320	1600.0	11231	40316	5.480	N-C16	
20	23.536	23.794	1651.7	2703	12248	1.665	I-C18	
25	24.912	25.171	1700.0	12227	49578	6.739	N-C17	
26	25.163	25.422	1709.3	4380	22952	3.120	PRISTANE	
35	27.621	27.883	1800.0	10834	47104	6.403	N-C18	
36	27.941	28.204	1812.3	3274	16785	2.282	PHYTANE	
43	30.213	30.478	1900.0	10461	47575	6.467	N-C19	
49	32.683	32.950	2000.0	9554	37730	5.129	N-C20	
56	35.045	35.316	2100.0	8407	34851	4.737	N-C21	
65	37.312	37.585	2200.0	7530	29233	3.974	N-C22	
73	39.491	39.767	2300.0	7573	29622	4.027	N-C23	
79	41.573	41.852	2400.0	5486	20618	2.803	N-C24	
84	43.579	43.860	2500.0	5098	19963	2.714	N-C25	
88	45.517	45.799	2600.0	3898	15913	2.163	N-C26	
93	47.381	47.663	2700.0	3407	12413	1.687	N-C27	
97	49.184	49.466	2800.0	2747	11001	1.495	N-C28	
100	50.928	51.210	2900.0	2524	10477	1.424	N-C29	
103	52.613	52.895	3000.0	2114	8447	1.148	N-C30	
107	54.253	54.536	3100.0	1912	7384	1.004	N-C31	
110	55.843	56.125	3200.0	1535	5854	0.796	N-C32	
114	57.368	57.651	3300.0	1294	6424	0.873	N-C33	
115	58.861	59.144	3400.0	947	5935	0.807	N-C34	
117	60.344	60.627	3500.0	577	3999	0.544	N-C35	
Residual				42495	196666	26.734		
Total				175509	735649	100.000		

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using: Area

Analysis: 7 P021107S, 5, 1  
Reported on 10-Feb-87 at 09:34

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MULTICHROM V3.2

Analyst Name : IANNICKE  
Information : 1008

Analysis ID:

GCMS SATURATES 4 DEG/MIN.

Channel: 7 Title: CHANNEL 7

Date 9-Jan-87 Time 21:50

Analysis: P021107S Sample Name: 4540 M

Sample ID: 0 Bottle: 1

Sample 5 Injection 1

Peak	R/T n.	RT	Corr RT	Val	Hght	uV	Area	uVs	%	Identity
1	19.051	19.309	1500.0	912	2767	0.350	N-C15			
5	22.021	22.320	1600.0	4031	13837	1.748	N-C16			
6	23.512	23.810	1652.3	1776	9102	1.150	I-C18			
10	24.872	25.169	1700.0	5782	20525	2.593	N-C17			
11	25.139	25.436	1709.8	2834	13054	1.649	PRISTANE			
18	27.584	27.880	1800.0	6583	26256	3.317	N-C18			
19	27.915	28.211	1812.7	2416	12331	1.558	PHYTANE			
25	30.187	30.482	1900.0	7800	34268	4.329	N-C19			
32	32.656	32.950	2000.0	8559	34524	4.361	N-C20			
41	35.024	35.318	2100.0	9185	37311	4.713	N-C21			
50	37.293	37.588	2200.0	9006	35623	4.500	N-C22			
57	39.469	39.764	2300.0	9401	37900	4.788	N-C23			
65	41.555	41.849	2400.0	7901	31013	3.918	N-C24			
75	43.565	43.860	2500.0	7762	32653	4.125	N-C25			
81	45.488	45.783	2600.0	6714	27488	3.472	N-C26			
89	47.360	47.655	2700.0	6507	25538	3.226	N-C27			
95	49.152	49.447	2800.0	5222	21547	2.722	N-C28			
101	50.915	51.210	2900.0	7273	31930	4.033	N-C29			
106	52.589	52.885	3000.0	4091	20500	2.590	N-C30			
111	54.243	54.538	3100.0	7611	30325	3.831	N-C31			
116	55.789	56.085	3200.0	2439	10847	1.370	N-C32			
121	57.325	57.621	3300.0	3042	14921	1.885	N-C33			
125	58.808	59.104	3400.0	1018	7479	0.945	N-C34			
128	60.291	60.587	3500.0	646	5013	0.633	N-C35			

Residual	52647	254895	32.198
Total	181157	791650	100.000

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using: Area

Analysis: 7 D021107S.G.1  
Reported on 10-Feb-87 at 09:35

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MULTICHROM V3.2

Analyst Name : JANNICKE                      Analysis ID:  
Information : J008

GCMS SATURATES 4 DEG/MIN.

Channel: 7    Title: CHANNEL 7                      Date: 9-Jan-87    Time: 23:28  
Analysis: D021107S    Sample Name: 4580 M                      Sample ID: 0    Bottle: 1  
Sample 6    Injection 1

Peak	R/T m.	RT	Corr	RT Val	Hght	uV	Area	uVs	Z	Identity
1	17.944	18.209	1414.8	346	1075	0.173	I-C16			
2	19.024	19.305	1500.0	1308	4093	0.660	N-C15			
6	21.995	22.320	1600.0	4124	13749	2.218	N-C16			
7	23.483	23.807	1652.2	1766	11806	1.905	I-C18			
12	24.843	25.167	1700.0	7555	27809	4.486	N-C17			
13	25.099	25.423	1709.4	2954	15344	2.476	PRISTANE			
19	27.563	27.886	1800.0	8593	37513	6.052	N-C18			
20	27.883	28.205	1812.3	2941	15296	2.468	PHYTANE			
27	30.160	30.482	1900.0	9906	43178	6.966	N-C19			
34	32.629	32.950	2000.0	9838	38889	6.274	N-C20			
42	34.992	35.318	2100.0	9206	36305	5.857	N-C21			
51	37.253	37.584	2200.0	8054	31747	5.122	N-C22			
60	39.432	39.768	2300.0	8639	33023	5.328	N-C23			
67	41.509	41.850	2400.0	6084	24328	3.925	N-C24			
72	43.515	43.860	2500.0	5430	22464	3.624	N-C25			
77	45.448	45.796	2600.0	4280	17993	2.903	N-C26			
82	47.312	47.663	2700.0	3781	14333	2.312	N-C27			
87	49.109	49.463	2800.0	3173	12462	2.011	N-C28			
91	50.853	51.210	2900.0	3032	11835	1.909	N-C29			
94	52.539	52.898	3000.0	2221	9410	1.518	N-C30			
98	54.179	54.540	3100.0	2405	8907	1.437	N-C31			
101	55.757	56.122	3200.0	1694	6114	0.986	N-C32			
105	57.293	57.660	3300.0	1453	7451	1.202	N-C33			
107	58.787	59.156	3400.0	993	6216	1.003	N-C34			
109	60.269	60.641	3500.0	555	4116	0.664	N-C35			

Residual                      33592    164384    26.520  
Total                            143924    619838    100.000

Sample Type: SA    Scale Factor: 1.000    Amount: 1.000  
Method: MSDS    Calibration: MSDS    Type: UC    Using: Area



Analysis: 7 D021107S, 7, 1  
Reported on 10-Feb-87 at 09:35

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MULTICHROM V3.2

Analyst Name : JANNICKE                      Analysis ID:  
Information : J008

GCMS SATURATES 4 DEG/MIN.

Channel: 7 Title: CHANNEL 7                      Date 10-Jan-87 Time 1:06  
Analysis: D021107S Sample Name: 4690 M                      Sample ID: 0     Bottle: 1  
Sample 7 Injection 1

Peak	R/T	n.	RT	Corr	RT	Val	Hght	uV	Area	uVs	Z	Identity
1	15.963		16.175	1400.0		1028		2926		0.475		N-C14
3	17.963		18.202	1464.7		2096		6779		1.100		I-C16
5	19.053		19.307	1500.0		5497		17358		2.818		N-C15
13	22.027		22.320	1600.0		8786		30858		5.009		N-C16
14	23.509		23.806	1652.1		3886		23802		3.863		I-C18
20	24.875		25.174	1700.0		10363		39468		6.406		N-C17
21	25.125		25.425	1709.3		4538		23509		3.816		PRISTANE
27	27.584		27.889	1800.0		9266		38261		6.210		N-C18
28	27.904		28.210	1812.4		3630		18662		3.029		PHYTANE
35	30.171		30.481	1900.0		8559		40248		6.533		N-C19
41	32.635		32.950	2000.0		7824		33885		5.500		N-C20
47	34.997		35.317	2100.0		7336		28533		4.631		N-C21
54	37.261		37.585	2200.0		6147		23428		3.803		N-C22
59	39.432		39.759	2300.0		6300		22476		3.648		N-C23
63	41.515		41.846	2400.0		4819		17011		2.761		N-C24
68	43.525		43.860	2500.0		4177		17063		2.770		N-C25
71	45.459		45.796	2600.0		3420		14133		2.294		N-C26
75	47.325		47.666	2700.0		3030		10985		1.783		N-C27
79	49.125		49.469	2800.0		2698		10737		1.743		N-C28
82	50.864		51.210	2900.0		2538		10354		1.681		N-C29
85	52.549		52.898	3000.0		2287		9016		1.463		N-C30
88	54.200		54.551	3100.0		2238		10116		1.642		N-C31
91	55.779		56.132	3200.0		1940		7361		1.195		N-C32
95	57.315		57.671	3300.0		1804		8617		1.399		N-C33
96	58.808		59.166	3400.0		1416		7635		1.239		N-C34
98	60.280		60.641	3500.0		876		5437		0.883		N-C35

Residual	29363	137419	22.306
Total	145865	616077	100.000

Sample Type: SA    Scale Factor: 1.000    Amount: 1.000  
Method: MSDS      Calibration: MSDS    Type: UC      Using: Area

Analysis: 7 D021107S, 8, 1  
Reported on 10-Feb-87 at 09:35

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MULTICHROM V3.2

Analyst Name : JANNICKE                      Analysis ID:  
Information : J008

GCMS SATURATES 4 DEG/MIN.

Channel: 7    Title: CHANNEL 7                      Date 10-Jan-87    Time 2:44  
Analysis: D021107S    Sample Name: 4740 M                      Sample ID: 0    Bottle: 1  
Sample 8    Injection 1

Peak R/T n.	RT	Corr RT	Val	Hght	uV	Area	uVs	Z	Identity
1	15.957	16.166	1400.0	1123	3212	0.290	N-C14		
3	17.957	18.192	1464.6	2764	9021	0.814	I-C16		
5	19.053	19.302	1500.0	7119	23502	2.122	N-C15		
13	22.032	22.320	1600.0	12415	45612	4.118	N-C16		
16	23.515	23.804	1651.9	6882	41608	3.756	I-C18		
22	24.891	25.180	1700.0	14429	62736	5.664	N-C17		
23	25.141	25.431	1709.2	7812	40849	3.688	PRISTANE		
31	27.603	27.894	1800.0	13619	61842	5.583	N-C18		
32	27.917	28.209	1812.2	7031	35700	3.223	PHYTANE		
41	30.187	30.479	1900.0	13363	67895	6.129	N-C19		
48	32.656	32.950	2000.0	12371	54584	4.928	N-C20		
57	35.013	35.315	2100.0	11505	49119	4.434	N-C21		
66	37.269	37.578	2200.0	10147	41438	3.741	N-C22		
77	39.445	39.761	2300.0	10036	41037	3.705	N-C23		
85	41.525	41.848	2400.0	7768	32116	2.899	N-C24		
93	43.531	43.860	2500.0	6624	29621	2.674	N-C25		
						2.671	N-C26		
105	47.328	47.666	2700.0	5138	19883	1.795	N-C27		
111	49.125	49.467	2800.0	4350	18394	1.661	N-C28		
118	50.864	51.210	2900.0	4211	17609	1.590	N-C29		
121	52.557	52.907	3000.0	3443	14130	1.276	N-C30		
125	54.189	54.543	3100.0	3351	12473	1.126	N-C31		
129	55.768	56.125	3200.0	2672	9858	0.890	N-C32		
134	57.304	57.665	3300.0	2573	12982	1.172	N-C33		
137	58.797	59.161	3400.0	1750	10747	0.970	N-C34		
140	60.269	60.637	3500.0	963	6815	0.615	N-C35		

Residual                      63348    321331    29.008  
Total                            242698    1107733    100.000

Sample Type: SA    Scale Factor: 1.000    Amount: 1.000  
Method: MSDS      Calibration: MSDS      Type: UC            Using: Area

Analysis:7 D021107S,9.1  
Reported on 10-Feb-87 at 09:35

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M U L T I C H R O M U 3.2

Analyst Name :JANNICKE  
Information :J008

Analysis ID:

GCMS SATURATES 4 DEG/MIN.

Channel:7 Title: CHANNEL 7 Date 10-Jan-87 Time 4:22  
Analysis:D021107S Sample Name:4810 M Sample ID: 0 Bottle:1  
Sample 9 Injection 1

Peak	R/T #	RT	Corr	RT Val	Hght	uVs	Area	uVs	Z	Identity
1	15.960	16.165	1400.0	769	2206	0.183	N-C14			
3	17.960	18.190	1464.7	2225	7126	0.591	I-C16			
4	19.053	19.298	1500.0	6124	19820	1.645	N-C15			
12	22.037	22.320	1600.0	11684	44228	3.670	N-C16			
16	23.520	23.802	1651.9	7228	43234	3.588	I-C18			
21	24.896	25.177	1700.0	14790	64173	5.326	N-C17			
22	25.152	25.433	1709.4	8030	42772	3.550	PRISTANE			
31	27.613	27.894	1800.0	13953	65755	5.457	N-C18			
32	27.928	28.208	1812.2	7304	39929	3.314	PHYTANE			
41	30.197	30.476	1900.0	14201	79627	6.608	N-C19			
48	32.672	32.950	2000.0	12919	59827	4.965	N-C20			
57	35.029	35.313	2100.0	12304	54117	4.491	N-C21			
67	37.291	37.579	2200.0	10596	46203	3.834	N-C22			
77	39.467	39.760	2300.0	10762	45871	3.807	N-C23			
86	41.552	41.850	2400.0	8712	34354	2.851	N-C24			
96	43.557	43.860	2500.0	7848	33940	2.817	N-C25			
102	45.491	45.796	2600.0	6615	27396	2.274	N-C26			
109	47.355	47.663	2700.0	5912	23379	1.940	N-C27			
115	49.152	49.463	2800.0	5085	21549	1.788	N-C28			
121	50.896	51.210	2900.0	4873	20124	1.670	N-C29			
124	52.589	52.906	3000.0	3995	15244	1.265	N-C30			
128	54.221	54.540	3100.0	4024	15237	1.264	N-C31			
132	55.800	56.122	3200.0	2972	10990	0.912	N-C32			
138	57.336	57.660	3300.0	2720	14211	1.179	N-C33			
142	58.829	59.156	3400.0	1887	12312	1.022	N-C34			
145	60.301	60.630	3500.0	949	7063	0.586	N-C35			

Residual 68410 354284 29.402  
Total 256893 1204974 100.000

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using:Area

Analysis: 7 D01107S, 10, 1  
Reported on 10-Feb-87 at 09:35

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MULTICHROM V3.2

Analyst Name : JANNICKE                      Analysis ID:  
Information : J008

GCMS SATURATES 4 DEG/MIN.

Channel: 7    Title: CHANNEL 7                      Date 10-Jan-87    Time 6:01  
Analysis: D01107S    Sample Name: 4860 M                      Sample ID: 0    Bottle: 1  
Sample 10    Injection 1

Peak	RT	RT	RT	Hght	Area	%	Identity
R/T	m.	Corr	Val	uV	uVs		
1	15.955	16.163	1400.0	1357	3827	0.420	N-C14
3	17.957	18.192	1464.7	3223	10150	1.114	I-C16
5	19.051	19.300	1500.0	8073	26701	2.930	N-C15
13	22.032	22.320	1600.0	12194	46127	5.062	N-C16
17	23.509	23.800	1651.8	5901	37284	4.092	I-C18
22	24.883	25.175	1700.0	13759	56721	6.225	N-C17
23	25.139	25.432	1709.5	6552	35223	3.866	PRISTANE
30	27.589	27.886	1800.0	12017	53430	5.864	N-C18
31	27.909	28.207	1812.3	5308	27308	2.997	PHYTANE
38	30.181	30.482	1900.0	11607	61030	6.698	N-C19
46	32.645	32.950	2000.0	10616	42764	4.693	N-C20
53	35.008	35.318	2100.0	9732	40163	4.408	N-C21
61	37.264	37.579	2200.0	8324	33320	3.657	N-C22
69	39.440	39.760	2300.0	8357	33049	3.627	N-C23
76	41.525	41.850	2400.0	6440	24122	2.647	N-C24
83	43.531	43.860	2500.0	5869	23826	2.615	N-C25
87	45.464	45.798	2600.0	4918	19354	2.124	N-C26
92	47.323	47.661	2700.0	4246	16396	1.799	N-C27
98	49.120	49.462	2800.0	3607	14791	1.623	N-C28
103	50.864	51.210	2900.0	3303	13769	1.511	N-C29
106	52.557	52.907	3000.0	2794	10965	1.203	N-C30
109	54.189	54.543	3100.0	2649	9991	1.096	N-C31
113	55.779	56.136	3200.0	1999	7654	0.840	N-C32
117	57.315	57.675	3300.0	1920	9607	1.054	N-C33
120	58.808	59.172	3400.0	1342	8253	0.906	N-C34
122	60.280	60.647	3500.0	785	5462	0.599	N-C35

Residual                      49356    239917    26.330  
Total                            206248    911203    100.000

Sample Type: SA    Scale Factor: 1.000    Amount: 1.000  
Method: MSDS      Calibration: MSDS      Type: UC      Using: Area

MULTICHROM 03.2

Analyst Name : IANNICKE Analysis ID:  
Information : 1998

GCMS SATURATES 4 DEG/MIN.

Channel:7 Title: CHANNEL 7 Date 10-Jan-87 Time 7:41  
Analysis:1021107S Sample Name:4900 M Sample ID: 0 Bottle:1  
Sample 11 Injection 1

Peak	R/T #	RT	Corr	RT Val	Hght	uV	Area	uVs	Z	Identity
2	15.963	16.167	1400.0	3049	8889	0.853	N-C14			
5	17.963	18.193	1464.6	4842	15765	1.513	I-C16			
7	19.059	19.303	1500.0	9933	34215	3.285	N-C15			
15	22.037	22.320	1600.0	13410	50864	4.883	N-C16			
18	23.509	23.794	1651.6	6624	41357	3.970	I-C18			
23	24.888	25.175	1700.0	14509	62688	6.018	N-C17			
24	25.139	25.426	1709.3	7262	39130	3.757	FRISTANE			
32	27.595	27.886	1800.0	13182	59266	5.690	N-C18			
33	27.920	28.212	1812.6	6282	31723	3.046	PHYTANE			
41	30.181	30.477	1900.0	13053	68242	6.552	N-C19			
48	32.651	32.950	2000.0	11943	48213	4.629	N-C20			
55	35.013	35.317	2100.0	10614	45034	4.324	N-C21			
64	37.275	37.583	2200.0	9496	38100	3.658	N-C22			
74	39.451	39.764	2300.0	9221	36999	3.552	N-C23			
82	41.531	41.848	2400.0	6910	27036	2.596	N-C24			
90	43.539	43.860	2500.0	6381	27761	2.665	N-C25			
95	45.469	45.794	2600.0	5321	21275	2.042	N-C26			
100	47.333	47.662	2700.0	4262	17526	1.683	N-C27			
105	49.131	49.463	2800.0	3761	15420	1.480	N-C28			
110	50.875	51.210	2900.0	3562	14629	1.404	N-C29			
113	52.568	52.907	3000.0	2773	11316	1.086	N-C30			
116	54.200	54.542	3100.0	2688	10520	1.010	N-C31			
120	55.779	56.123	3200.0	2115	7547	0.725	N-C32			
124	57.315	57.662	3300.0	1880	9748	0.936	N-C33			
127	58.808	59.158	3400.0	1325	8519	0.818	N-C34			
130	60.280	60.633	3500.0	732	5425	0.521	N-C35			

Residual 58191 284404 27.304  
Total 233321 1041610 100.000

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using: Area

Analysis: 7 D021107S.12.1  
Reported on 10-Feb-87 at 09:35

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MULTICHROM V3.2

Analyst Name : JANNICKE                      Analysis ID:  
Information : J008

GCMS SATURATES 4 DEG/MIN.

Channel: 7    Title: CHANNEL 7                      Date 10-Jan-87    Time 9:20  
Analysis: D021107S    Sample Name: 4940 M                      Sample ID: 0    Bottle: 1  
Sample 12    Injection 1

Peak	RT	RT	Val	Hght	Area	%	Identity
R/T	m.	Corr	RT	uV	uVs		
1	15.939	16.174	1400.0	462	1274	0.166	N-C14
2	17.936	18.201	1464.7	1369	4305	0.561	I-C16
3	19.024	19.305	1500.0	4220	13019	1.696	N-C15
11	21.995	22.320	1600.0	7461	26078	3.397	N-C16
12	23.483	23.809	1652.2	3728	32700	2.957	I-C18
17	24.843	25.170	1700.0	9619	35764	4.659	N-C17
18	25.099	25.426	1709.4	4602	23751	3.094	PRISTANE
24	27.557	27.886	1800.0	9107	38143	4.968	N-C18
25	27.883	28.211	1812.6	4264	22580	2.941	PHYTANE
32	30.149	30.479	1900.0	9605	44687	5.821	N-C19
39	32.619	32.950	2000.0	9384	38493	5.014	N-C20
47	34.981	35.316	2100.0	8905	36574	4.764	N-C21
56	37.243	37.580	2200.0	8265	32749	4.266	N-C22
64	39.424	39.764	2300.0	8489	33749	4.396	N-C23
71	41.504	41.847	2400.0	6634	24130	3.143	N-C24
78	43.515	43.860	2500.0	5994	25738	3.353	N-C25
84	45.448	45.796	2600.0	5002	20261	2.639	N-C26
90	47.312	47.663	2700.0	4470	17516	2.282	N-C27
95	49.115	49.469	2800.0	3629	14780	1.925	N-C28
100	50.853	51.210	2900.0	3480	14505	1.889	N-C29
103	52.547	52.906	3000.0	2555	10716	1.396	N-C30
107	54.189	54.551	3100.0	2606	10170	1.325	N-C31
110	55.768	56.132	3200.0	1910	6917	0.901	N-C32
114	57.304	57.671	3300.0	1822	9876	1.286	N-C33
117	58.797	59.166	3400.0	1215	8775	1.143	N-C34
120	60.269	60.641	3500.0	654	5281	0.688	N-C35

Residual                      43045            225182            29.332  
Total                            172497            767714            100.000

Sample Type: SA    Scale Factor: 1.000    Amount: 1.000  
Method: MSDS       Calibration: MSDS       Type: UC            Using: Area

Analysis:7 00211075,13,1

Reported on 10-Feb-87 at 09:36

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MULTICHROM 93.2

Analyst Name :JANNICKE  
Information :J008

Analysis ID:

GCMS SATURATES 4 DEG/MIN.

Channel:7 Title: CHANNEL 7

Date 10-Jan-87 Time 10:59

Analysis:00211075 Sample Name:4980 M

Sample ID: 0 Bottle:1

Sample 13 Injection 1

Peak	R/T n.	RT	Corr	RT	Vol	Hght	uV	Area	uVs	%	Identity
2	15.957	16.158	1400.0	2801	8055	0.552	N-C14				
6	17.963	18.189	1464.7	4833	16624	1.139	I-C16				
8	19.056	19.296	1500.0	9737	32913	2.256	N-C15				
16	22.043	22.320	1600.0	14507	57592	3.947	N-C16				
21	23.525	23.803	1651.8	9638	59395	4.070	I-C18				
26	24.904	25.182	1700.0	17324	77166	5.288	N-C17				
27	25.155	25.432	1709.3	10273	53095	3.639	PRISTANE				
37	27.611	27.888	1800.0	16690	78576	5.385	N-C18				
38	27.936	28.214	1812.5	9529	50422	3.455	PHYTANE				
49	30.208	30.486	1900.0	16221	94530	6.478	N-C19				
58	32.672	32.950	2000.0	14805	68047	4.663	N-C20				
67	35.035	35.317	2100.0	13439	60610	4.154	N-C21				
77	37.296	37.583	2200.0	11644	50015	3.428	N-C22				
88	39.472	39.764	2300.0	11490	49653	3.403	N-C23				
96	41.547	41.843	2400.0	8983	40074	2.746	N-C24				
105	43.560	43.860	2500.0	8198	36356	2.491	N-C25				
111	45.491	45.792	2600.0	6792	27865	1.910	N-C26				
118	47.355	47.658	2700.0	5665	23260	1.594	N-C27				
125	49.152	49.457	2800.0	5024	21488	1.473	N-C28				
131	50.904	51.210	2900.0	4843	20218	1.386	N-C29				
135	52.589	52.897	3000.0	4112	17262	1.183	N-C30				
140	54.221	54.530	3100.0	3861	14872	1.019	N-C31				
145	55.800	56.110	3200.0	3046	12260	0.840	N-C32				
150	57.336	57.647	3300.0	2781	14972	1.026	N-C33				
153	58.829	59.142	3400.0	1918	12559	0.861	N-C34				
156	60.301	60.615	3500.0	1005	7309	0.501	N-C35				

Residual 85887 454048 31.115  
Total 305048 1459236 100.000

Sample Type: SA Scale Factor: 1.000 Amount: 1.000  
Method: MSDS Calibration: MSDS Type: UC Using:Area

Analysis: 7 D021107S, 14, 1  
Reported on 10-Feb-87 at 09:36

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MULTICHROM V3.2

Analyst Name : JANNICKE                      Analysis ID:  
Information : J008

GCMS SATURATES 4 DEG/MIN.

Channel: 7    Title: CHANNEL 7                      Date 10-Jan-87    Time 12:39  
Analysis: D021107S    Sample Name: 5040 M                      Sample ID: 0    Bottle: 1  
Sample 14    Injection 1

Peak R/T	m.	RT	Corr	RT	Val	Hght	uV	Area	uVs	Z	Identity
7	15.979	16.160	1400.0	9524	31046	1.601	N-C14				
14	17.989	18.194	1464.7	12175	46063	2.375	I-C16				
16	19.088	19.305	1500.0	17812	71864	3.705	N-C15				
29	22.069	22.320	1600.0	20849	95715	4.935	N-C16				
35	23.547	23.799	1651.7	13409	87712	4.523	I-C18				
40	24.925	25.179	1700.0	21108	103982	5.362	N-C17				
41	25.176	25.430	1709.3	12697	68990	3.557	PRISTANE				
51	27.635	27.891	1800.0	18438	93087	4.800	N-C18				
52	27.960	28.217	1812.6	11097	63915	3.296	PHYTANE				
63	30.224	30.483	1900.0	18045	111617	5.755	N-C19				
72	32.688	32.950	2000.0	16706	78851	4.066	N-C20				
81	35.051	35.317	2100.0	15121	70192	3.619	N-C21				
91	37.312	37.583	2200.0	13102	57593	2.970	N-C22				
103	39.483	39.758	2300.0	12809	57107	2.945	N-C23				
112	41.563	41.843	2400.0	10140	45996	2.372	N-C24				
121	43.576	43.860	2500.0	9700	42427	2.188	N-C25				
127	45.507	45.791	2600.0	7883	33090	1.706	N-C26				
134	47.371	47.655	2700.0	6804	28662	1.478	N-C27				
141	49.168	49.453	2800.0	5829	26528	1.368	N-C28				
147	50.925	51.210	2900.0	5830	25173	1.298	N-C29				
151	52.611	52.895	3000.0	4977	21962	1.132	N-C30				
155	54.243	54.528	3100.0	4973	18748	0.967	N-C31				
160	55.821	56.106	3200.0	3721	13517	0.697	N-C32				
166	57.357	57.643	3300.0	3503	17879	0.922	N-C33				
170	58.840	59.125	3400.0	2396	15010	0.774	N-C34				
173	60.312	60.598	3500.0	1247	8573	0.442	N-C35				

Residual	119544	604125	31.150
Total	399437	1939422	100.000

Sample Type: SA    Scale Factor: 1.000    Amount: 1.000  
Method: MSDS    Calibration: MSDS    Type: UC    Using: Area