

File path: C:\HPCHEM\1\DATA\7216_ISC\
 File name: 2991_15.D
 Misc info:
 Sample name: 7216/11-1S, 2991.15m
 Date acquired: 27 Oct 2000 19:56
 Method/Operator: C520D_B annek
 Response factor = 1.0 (y=ax)

C5-20 hydrocarbons GC/FID

Norsk Hydro E&P Research Centre, Bergen
 Petroleum Geochemistry Laboratories



Name	Area	Amount ug/mg	Rt	Name	Area	Amount ug/mg	Rt
iC8(ISTD)/224tm-C5	94493419	4.46	19.61	phC6(ISTD)	203827901	4.46	108.04
iC5	24195	0.00	6.03	Benzene	3877	0.00	14.65
nC5	79913	0.00	6.51	Toluene/233tm-C5	16096	0.00	30.67
22dm-C4	146547	0.01	7.37	iC9	13775	0.00	48.08
cyC5	8031	0.00	8.32	e-benzene	3001	0.00	51.00
23dm-C4	5183	0.00	8.36	m-xylene	7181	0.00	53.28
2m-C5	11840	0.00	8.50	p-xylene	10548	0.00	53.53
3m-C5	23272	0.00	9.08	4m-C8	4600	0.00	56.32
nC6	30557	0.00	9.95	2m-C8	2710	0.00	56.63
3m-cyC5-ene	330	0.00	10.26	3m-C8	3708	0.00	58.55
22dm-C5	9251	0.00	11.98	o-xylene	5360	0.00	59.54
m-cyC5	448	0.00	12.06	nC9	14717	0.00	65.97
24dm-C5	8383	0.00	12.62	iC10	6532	0.00	72.95
223tm-C4	1033	0.00	13.20	nC10	204048	0.00	83.02
33dm-C5	87460	0.00	15.34	iC11	74314	0.00	173.52
cyC6	3674	0.00	15.69	nC11	3600	0.00	94.61
2m-C6	22375	0.00	16.77	nC12	43358	0.00	103.84
23dm-C5	15401	0.00	16.93	iC13	23195	0.00	105.22
11dm-cyC5	29469	0.00	17.29	iC14	95736	0.00	110.29
3m-C6	6037	0.00	17.88	nC13	87248	0.00	111.94
1c.3dm-cyC5	6498	0.00	18.58	iC15	57491	0.00	117.81
1t.3dm-cyC5	165611	0.01	19.08	nC14	851280	0.02	119.23
3e-C5	138531	0.01	19.14	iC16	204890	0.00	123.64
1t.2dm-cyC5	147617	0.01	19.40	nC15	269089	0.01	125.97
nC7	28603	0.00	21.18	nC16	198009	0.00	132.29
1c.2dm-cyC5	2498	0.00	24.04	iC18	108203	0.00	135.48
m-cyC6	24895	0.00	24.30	nC17	709034	0.02	138.25
113tm-cyC5	26619	0.00	24.78	pristane	160246	0.00	138.87
e-cyC5	2967	0.00	26.16	nC18	166644	0.00	143.89
25dm-C6	2884	0.00	26.66	phytane	148185	0.00	144.62
223tm-C5/24dm-C6	5296	0.00	26.98	nC19	98194	0.00	149.23
1c.2t.4tm-cyC5	1394	0.00	28.03	nC20	222995	0.00	154.32
33dm-C6	4426	0.00	28.31				
1t.2c.3tm-cyC5	6835	0.00	29.43				
234tm-C5	5068	0.00	30.05				
23dm-C6	5007	0.00	32.35				
2m-C7	7162	0.00	33.70				
4m-C7	4754	0.00	33.99				
3m-C7	3734	0.00	35.30				
1c.3dm-cyC6	6741	0.00	35.41				
1t.4dm-cyC6	7539	0.00	35.90				
11dm-cyC6	8063	0.00	38.41				
1t.2dm-cyC6	9201	0.00	39.48				
nC8	19862	0.00	40.94				
e-cyC6	2418	0.00	46.95				

Parameters	Area	Amount ug/mg
(Thompson 1979/1983)		
Heptane value(1):	4.81	4.81
Isoheptane value(2)	0.09	0.09
Paraffinicity(3):	1.15	1.15
Aromaticity(4):	0.89	0.41

1: 100*nC7/C7paraffins, modified after Thompson 1983
 2: (2mC6+3mC6)/Dm-cycloC5
 3: nC7/m-cycloC6
 4: (m+p)xylene/nC8

File path: C:\HPCHEM1\DATA\7216_ISC\
 File name: 2991_23.D
 Misc info:
 Sample name: 7216/11-1S, 2991.23m
 Date acquired: 27 Oct 2000 23:17
 Method/Operator: C520D_B annex
 Response factor = 1.0 (y=ax)

C5-20 hydrocarbons GC/FID

Norsk Hydro E&P Research Centre, Bergen
 Petroleum Geochemistry Laboratories



Name	Area	Amount ug/mg	Rt	Name	Area	Amount ug/mg	Rt
iC8(ISTD)/224tm-C5	81928548	4.46	19.63	phC6(ISTD)	154182607	4.46	108.04
iC5	19971	0.00	6.04	Benzene	2739	0.00	14.59
nC5	490396	0.03	6.48	Toluene/233tm-C5	4310	0.00	30.77
22dm-C4	126919	0.01	7.42	iC9	884	0.00	48.07
cyC5	3759	0.00	8.32	e-benzene	1918	0.00	51.00
23dm-C4	8115	0.00	8.39	m-xylene	6282	0.00	53.32
2m-C5	7600	0.00	8.50	p-xylene	3418	0.00	53.62
3m-C5	5840	0.00	9.17	4m-C8	6904	0.00	56.29
nC6	77904	0.00	9.93	2m-C8	6591	0.00	56.65
3m-cyC5-ene	38581	0.00	173.81	3m-C8	7748	0.00	58.57
22dm-C5	1644	0.00	11.91	o-xylene	14374	0.00	59.58
m-cyC5	4224	0.00	12.10	nC9	24286	0.00	65.97
24dm-C5	5520	0.00	12.55	iC10	8707	0.00	72.99
223tm-C4	2694	0.00	13.12	nC10	89108	0.00	83.03
33dm-C5	29059	0.00	15.35	iC11	7302	0.00	86.12
cyC6	9393	0.00	15.65	nC11	10833	0.00	94.62
2m-C6	1690	0.00	16.79	nC12	31644	0.00	103.88
23dm-C5	11931	0.00	16.98	iC13	23492	0.00	105.25
11dm-cyC5	959	0.00	17.27	iC14	117456	0.00	110.29
3m-C6	4495	0.00	17.90	nC13	216686	0.01	111.96
1c.3dm-cyC5	6877	0.00	18.61	iC15	191028	0.01	117.83
1t.3dm-cyC5	180979	0.01	19.01	nC14	959352	0.03	119.25
3e-C5	164502	0.01	19.15	iC16	152286	0.00	123.66
1t.2dm-cyC5	374910	0.02	19.39	nC15	387862	0.01	125.99
nC7	7571	0.00	21.18	nC16	115109	0.00	132.30
1c.2dm-cyC5	168	0.00	24.12	iC18	108091	0.00	135.50
m-cyC6	38581	0.00	173.81	nC17	221404	0.01	138.26
113tm-cyC5	5145	0.00	24.88	pristane	90138	0.00	138.79
e-cyC5	1927	0.00	26.30	nC18	487847	0.01	143.93
25dm-C6	1451	0.00	26.57	phytane	206511	0.01	144.65
223tm-C5/24dm-C6	6506	0.00	27.00	nC19	89591	0.00	149.24
1c.2t.4tm-cyC5	860	0.00	28.11	nC20	334650	0.01	154.34
33dm-C6	1247	0.00	28.36				
1t.2c.3tm-cyC5	3264	0.00	29.51				
234tm-C5	5696	0.00	30.11				
23dm-C6	1745	0.00	32.42				
2m-C7	182	0.00	33.71				
4m-C7	4248	0.00	33.97				
3m-C7	14541	0.00	35.38				
1c.3dm-cyC6	4901	0.00	35.44				
1t.4dm-cyC6	977	0.00	35.89				
11dm-cyC6	7011	0.00	38.46				
1t.2dm-cyC6	43	0.00	39.47				
nC8	6397	0.00	40.99				
e-cyC6	2430	0.00	46.81				

Parameters	Area	Amount ug/mg
<small>(Thompson 1979/1983)</small>		
Heptane value(1):	0.94	0.94
Isoheptane value(2)	0.01	0.01
Paraffinicity(3):	0.20	0.20
Aromaticity(4):	1.52	0.81

1: 100*nC7/C7paraffins, modified after Thompson 1983
 2: (2mC6+3mC6)/Dm-cycloC5
 3: nC7/m-cycloC6
 4: (m+p)xylenes/nC8

File path: C:\HPCHEM\1\DATA\7216_ISB\
 File name: 2991_25.D
 Misc info:
 Sample name: 7216/11-1S, 2991,25m
 Date acquired: 24 Oct 2000 4:33
 Method/Operator: C520D_B annex
 Response factor = 1.0 (y=ax)

C5-20 hydrocarbons GC/FID

Norsk Hydro E&P Research Centre, Bergen
 Petroleum Geochemistry Laboratories



Name	Area	Amount ug/mg	Rt	Name	Area	Amount ug/mg	Rt
iC8(ISTD)/224tm-C5	85618325	4.46	19.71	phC6(ISTD)	169885513	4.46	108.06
iC5	28004	0.00	6.07	Benzene	1003	0.00	14.71
nC5	109776	0.01	6.56	Toluene/233tm-C5	31261	0.00	30.82
22dm-C4	287576	0.01	7.49	iC9	8118	0.00	48.21
cyC5	9381	0.00	8.40	e-benzene	12619	0.00	51.18
23dm-C4	210299	0.01	8.46	m-xylene	29028	0.00	53.41
2m-C5	28536	0.00	8.62	p-xylene	20014	0.00	53.64
3m-C5	25149	0.00	9.35	4m-C8	9153	0.00	56.42
nC6	45248	0.00	10.01	2m-C8	4278	0.00	56.73
3m-cyC5-ene	14599	0.00	10.24	3m-C8	5921	0.00	58.64
22dm-C5	782	0.00	12.14	o-xylene	21595	0.00	59.67
m-cyC5	1734	0.00	12.16	nC9	35829	0.00	66.07
24dm-C5	1779	0.00	12.67	iC10	26314	0.00	73.06
223tm-C4	4292	0.00	13.48	nC10	201461	0.01	83.06
33dm-C5	5075	0.00	15.42	iC11	10614	0.00	86.18
cyC6	4190	0.00	15.72	nC11	80577	0.00	94.62
2m-C6	3756	0.00	16.88	nC12	171212	0.00	103.90
23dm-C5	1347	0.00	17.07	iC13	53474	0.00	105.26
11dm-cyC5	139168	0.01	17.46	iC14	95208	0.00	110.31
3m-C6	1935	0.00	17.99	nC13	183406	0.00	111.96
1c.3dm-cyC5	2761	0.00	18.64	iC15	181404	0.00	117.84
1t.3dm-cyC5	18581	0.00	19.06	nC14	583565	0.02	119.26
3e-C5	86465	0.00	19.29	iC16	79609	0.00	123.74
1t.2dm-cyC5	32758	0.00	19.47	nC15	241534	0.01	125.99
nC7	9549	0.00	21.30	nC16	224404	0.01	132.31
1c.2dm-cyC5	1516	0.00	24.23	iC18	141205	0.00	135.46
m-cyC6	22264	0.00	24.42	nC17	512572	0.01	138.29
113tm-cyC5	21274	0.00	24.92	pristane	344350	0.01	138.88
e-cyC5	7492	0.00	26.43	nC18	209458	0.01	143.91
25dm-C6	6195	0.00	26.69	phytane	127950	0.00	144.68
223tm-C5/24dm-C6	9989	0.00	27.18	nC19	133405	0.00	149.23
1c.2t.4tm-cyC5	7041	0.00	28.13	nC20	295034	0.01	154.33
33dm-C6	3829	0.00	28.40				
1t.2c.3tm-cyC5	1931	0.00	29.60				
234tm-C5	3735	0.00	30.13				
23dm-C6	19566	0.00	32.39				
2m-C7	1540	0.00	33.80				
4m-C7	3246	0.00	34.05				
3m-C7	14791	0.00	35.42				
1c.3dm-cyC6	19763	0.00	35.53				
1t.4dm-cyC6	5270	0.00	36.05				
11dm-cyC6	16008	0.00	38.46				
1t.2dm-cyC6	12372	0.00	39.45				
nC8	16456	0.00	41.02				
e-cyC6	11878	0.00	46.99				

Parameters	Area	Amount ug/mg
(Thompson 1979/1983)		
Heptane value(1):	2.88	2.88
Isoheptane value(2)	0.10	0.10
Paraffinicity(3):	0.43	0.43
Aromaticity(4):	2.98	1.50

1: 100*nC7/C7paraffins, modified after Thompson 1983
 2: (2mC6+3mC6)/Dm-cycloC5
 3: nC7/m-cycloC6
 4: (m+p)xylene/nC8

File path: C:\HPCHEM\1\DATA\7216_ISB\
 File name: 2991_36.D
 Misc info:
 Sample name: 7216/11-1S, 2991,36m
 Date acquired: 24 Oct 2000 7:55
 Method/Operator: C520D_B annек
 Response factor = 1.0 (y=ax)

C5-20 hydrocarbons GC/FID

Norsk Hydro E&P Research Centre, Bergen
 Petroleum Geochemistry Laboratories



Name	Area	Amount ug/mg	Rt	Name	Area	Amount ug/mg	Rt
iC8(ISTD)/224tm-C5	79841148	4.46	19.71	phC6(ISTD)	156424390	4.46	108.06
iC5	27907	0.00	6.07	Benzene	1439	0.00	14.67
nC5	97332	0.01	6.56	Toluene/233tm-C5	48847	0.00	30.78
22dm-C4	157344	0.01	7.46	iC9	757	0.00	48.18
cyC5	16823	0.00	8.41	e-benzene	3555	0.00	51.12
23dm-C4	158564	0.01	8.47	m-xylene	13744	0.00	53.48
2m-C5	7700	0.00	8.63	p-xylene	5656	0.00	53.60
3m-C5	8877	0.00	9.26	4m-C8	1801	0.00	56.43
nC6	27688	0.00	10.00	2m-C8	5535	0.00	56.78
3m-cyC5-ene	6481	0.00	10.28	3m-C8	7236	0.00	58.73
22dm-C5	5329	0.00	12.02	o-xylene	4979	0.00	59.64
m-cyC5	5184	0.00	12.19	nC9	13145	0.00	66.08
24dm-C5	6242	0.00	12.67	iC10	28347	0.00	73.06
223tm-C4	8019	0.00	13.52	nC10	174732	0.00	83.07
33dm-C5	1229	0.00	15.40	iC11	15777	0.00	86.18
cyC6	4880	0.00	15.74	nC11	66008	0.00	94.61
2m-C6	2614	0.00	16.87	nC12	93250	0.00	103.89
23dm-C5	4830	0.00	17.08	iC13	23258	0.00	105.26
11dm-cyC5	839	0.00	17.36	iC14	111405	0.00	110.32
3m-C6	9934	0.00	18.06	nC13	80894	0.00	111.96
1c.3dm-cyC5	1224	0.00	18.81	iC15	81125	0.00	117.85
1t.3dm-cyC5	2576	0.00	19.08	nC14	490999	0.01	119.27
3e-C5	117886	0.01	19.28	iC16	45650	0.00	123.73
1t.2dm-cyC5	352707	0.02	19.54	nC15	170353	0.00	125.99
nC7	5637	0.00	21.39	nC16	235361	0.01	132.32
1c.2dm-cyC5	1223	0.00	24.27	iC18	106688	0.00	135.38
m-cyC6	2370	0.00	24.37	nC17	1079000	0.03	138.28
113tm-cyC5	16533	0.00	24.92	pristane	67878	0.00	138.82
e-cyC5	3970	0.00	26.44	nC18	375572	0.01	143.90
25dm-C6	4056	0.00	26.71	phytane	185111	0.01	144.68
223tm-C5/24dm-C6	4991	0.00	27.09	nC19	412212	0.01	149.25
1c.2t.4tm-cyC5	1991	0.00	28.11	nC20	610100	0.02	154.35
33dm-C6	6974	0.00	28.52				
1t.2c.3tm-cyC5	5172	0.00	29.61				
234tm-C5	759	0.00	30.25				
23dm-C6	4339	0.00	32.45				
2m-C7	10016	0.00	33.84				
4m-C7	2439	0.00	34.14				
3m-C7	6749	0.00	35.44				
1c.3dm-cyC6	9266	0.00	35.51				
1t.4dm-cyC6	4341	0.00	35.97				
11dm-cyC6	8537	0.00	38.52				
1t.2dm-cyC6	6460	0.00	39.47				
nC8	5351	0.00	41.06				
e-cyC6	8712	0.00	47.02				

Parameters	Area	Amount ug/mg
(Thompson 1979/1983)		
Heptane value(1):	1.10	1.10
Isoheptane value(2):	0.04	0.04
Paraffinicity(3):	2.38	2.38
Aromaticity(4):	3.63	1.85

1: 100*nC7/C7paraffins, modified after Thompson 1983
 2: (2mC6+3mC6)/Dm-cycloC5
 3: nC7/m-cycloC6
 4: (m+p)xylene/nC8

File path: C:\HPCHEM\1\DATA\7216_ISB\
 File name: 2991_45.D
 Misc info:
 Sample name: 7216/11-1S, 2991,45m
 Date acquired: 24 Oct 2000 11:17
 Method/Operator: C520D_B annex
 Response factor = 1.0 (y=ax)

C5-20 hydrocarbons GC/FID

Norsk Hydro E&P Research Centre, Bergen
 Petroleum Geochemistry Laboratories



Name	Area	Amount ug/mg	Rt	Name	Area	Amount ug/mg	Rt
iC8(ISTD)/224tm-C5	82528144	4.46	19.66	phC6(ISTD)	171481917	4.46	108.06
iC5	35465	0.00	6.05	Benzene	3221	0.00	14.82
nC5	102794	0.01	6.54	Toluene/233tm-C5	7725	0.00	30.90
22dm-C4	431756	0.02	7.48	iC9	15020	0.00	48.20
cyC5	12717	0.00	8.38	e-benzene	9788	0.00	51.09
23dm-C4	236095	0.01	8.44	m-xylene	22538	0.00	53.41
2m-C5	12540	0.00	8.60	p-xylene	21505	0.00	53.68
3m-C5	10738	0.00	9.24	4m-C8	2747	0.00	56.42
nC6	30119	0.00	9.98	2m-C8	5059	0.00	56.74
3m-cyC5-ene	5397	0.00	10.34	3m-C8	4199	0.00	58.69
22dm-C5	3368	0.00	11.91	o-xylene	22001	0.00	59.63
m-cyC5	3769	0.00	12.27	nC9	25838	0.00	66.02
24dm-C5	4276	0.00	12.67	iC10	6198	0.00	73.05
223tm-C4	5840	0.00	13.46	nC10	56469	0.00	83.04
33dm-C5	8736	0.00	15.39	iC11	9942	0.00	86.07
cyC6	5092	0.00	15.72	nC11	48264	0.00	94.60
2m-C6	10917	0.00	16.84	nC12	74765	0.00	103.88
23dm-C5	10310	0.00	17.00	iC13	30685	0.00	105.26
11dm-cyC5	85266	0.00	17.42	iC14	98284	0.00	110.30
3m-C6	3837	0.00	17.92	nC13	84783	0.00	111.95
1c.3dm-cyC5	9276	0.00	18.70	iC15	69743	0.00	117.83
1t.3dm-cyC5	71980	0.00	19.10	nC14	496516	0.01	119.25
3e-C5	77047	0.00	19.29	iC16	32845	0.00	123.71
1t.2dm-cyC5	249990	0.01	19.47	nC15	97198	0.00	125.99
nC7	6536	0.00	21.35	nC16	59739	0.00	132.31
1c.2dm-cyC5	9607	0.00	24.34	iC18	124106	0.00	135.37
m-cyC6	7714	0.00	24.45	nC17	994577	0.03	138.29
113tm-cyC5	7429	0.00	25.01	pristane	506381	0.01	138.87
e-cyC5	3873	0.00	26.47	nC18	196722	0.01	143.92
25dm-C6	2139	0.00	26.71	phytane	16512	0.00	144.67
223tm-C5/24dm-C6	2583	0.00	27.12	nC19	68238	0.00	149.29
1c.2t.4tm-cyC5	3598	0.00	28.15	nC20	108834	0.00	154.34
33dm-C6	3350	0.00	28.47				
1t.2c.3tm-cyC5	4303	0.00	29.64				
234tm-C5	5208	0.00	30.18				
23dm-C6	4627	0.00	32.50				
2m-C7	3476	0.00	33.82				
4m-C7	7704	0.00	34.09				
3m-C7	5234	0.00	35.42				
1c.3dm-cyC6	8290	0.00	35.56				
1t.4dm-cyC6	5472	0.00	35.92				
11dm-cyC6	6157	0.00	38.54				
1t.2dm-cyC6	3848	0.00	39.53				
nC8	13474	0.00	40.98				
e-cyC6	12422	0.00	46.93				

Parameters	Area	Amount ug/mg
(Thompson 1979/1983)		
Heptane value(1):	1.19	1.19
Isoheptane value(2)	0.04	0.04
Paraffinicity(3):	0.85	0.85
Aromaticity(4):	3.27	1.57

1: 100*nC7/C7paraffins, modified after Thompson 1983
 2: (2mC6+3mC6)/Dm-cycloC5
 3: nC7/m-cycloC6
 4: (m+p)/n/lenes/nC8

File path: C:\HPCHEM\1\DATA\7216_ISB\
 File name: 2991_93.D
 Misc info:
 Sample name: 7216/11-1S, 2991,93m
 Date acquired: 24 Oct 2000 14:41
 Method/Operator: C520D_B annek
 Response factor = 1.0 (y=ax)

C5-20 hydrocarbons GC/FID

Norsk Hydro E&P Research Centre, Bergen
 Petroleum Geochemistry Laboratories



Name	Area	Amount ug/mg	Rt	Name	Area	Amount ug/mg	Rt
iC8(ISTD)/224tm-C5	90282002	4.46	19.68	phC6(ISTD)	204935249	4.46	108.06
iC5	16095	0.00	6.06	Benzene	5717	0.00	14.74
nC5	111686	0.01	6.55	Toluene/233tm-C5	9777	0.00	30.86
22dm-C4	157610	0.01	7.45	iC9	2281	0.00	48.17
cyC5	11366	0.00	8.37	e-benzene	3077	0.00	51.16
23dm-C4	51270	0.00	8.45	m-xylene	5768	0.00	53.44
2m-C5	8447	0.00	8.61	p-xylene	5560	0.00	53.74
3m-C5	17345	0.00	9.32	4m-C8	4491	0.00	56.36
nC6	17557	0.00	10.00	2m-C8	5540	0.00	56.69
3m-cyC5-ene	19500	0.00	10.22	3m-C8	2190	0.00	58.74
22dm-C5	6096	0.00	12.03	o-xylene	4354	0.00	59.61
m-cyC5	6461	0.00	12.26	nC9	3830	0.00	66.07
24dm-C5	9341	0.00	12.67	iC10	6794	0.00	73.00
223tm-C4	4469	0.00	13.59	nC10	104501	0.00	83.05
33dm-C5	13335	0.00	15.41	iC11	6464	0.00	86.14
cyC6	11747	0.00	15.79	nC11	9174	0.00	94.63
2m-C6	14787	0.00	16.82	nC12	40623	0.00	103.86
23dm-C5	13462	0.00	17.02	iC13	15068	0.00	105.24
11dm-cyC5	91001	0.00	17.44	iC14	64803	0.00	110.31
3m-C6	26376	0.00	18.04	nC13	5707	0.00	111.99
1c.3dm-cyC5	12057	0.00	18.67	iC15	16083	0.00	117.82
1t.3dm-cyC5	1712	0.00	19.17	nC14	548081	0.01	119.25
3e-C5	309723	0.02	19.36	iC16	25865	0.00	123.68
1t.2dm-cyC5	157277	0.01	19.44	nC15	34343	0.00	126.00
nC7	9155	0.00	21.32	nC16	75679	0.00	132.29
1c.2dm-cyC5	6298	0.00	24.27	iC18	108449	0.00	135.37
m-cyC6	7467	0.00	24.37	nC17	311315	0.01	138.22
113tm-cyC5	5074	0.00	24.95	pristane	90906	0.00	138.82
e-cyC5	3177	0.00	26.52	nC18	53807	0.00	143.89
25dm-C6	7364	0.00	26.71	phytane	20323	0.00	144.66
223tm-C5/24dm-C6	4761	0.00	27.16	nC19	91716	0.00	149.24
1c.2t.4tm-cyC5	6169	0.00	28.09	nC20	51959	0.00	154.35
33dm-C6	5203	0.00	28.37				
1t.2c.3tm-cyC5	4602	0.00	29.60				
234tm-C5	5180	0.00	30.19				
23dm-C6	12208	0.00	32.53				
2m-C7	6987	0.00	33.80				
4m-C7	7408	0.00	34.17				
3m-C7	4581	0.00	35.40				
1c.3dm-cyC6	3714	0.00	35.50				
1t.4dm-cyC6	5061	0.00	35.87				
11dm-cyC6	12379	0.00	38.51				
1t.2dm-cyC6	6661	0.00	39.49				
nC8	8211	0.00	41.02				
e-cyC6	10071	0.00	47.00				

Parameters	Area	Amount ug/mg
<small>(Thompson 1979/1983)</small>		
Heptane value(1):	1.38	1.38
Isoheptane value(2)	0.23	0.23
Paraffinicity(3):	1.23	1.23
Aromaticity(4):	1.38	0.61

1: 100*nC7/C7paraffins, modified after Thompson 1983
 2: (2mC6+3mC6)/Dm-cycloC5
 3: nC7/m-cycloC6
 4: (m+p)xylenes/nC8

File path: C:\HPCHEM\1\DATA\7216_ISC\
 File name: 2992_30.D
 Misc info:
 Sample name: 7216/11-1S, 2992.30m
 Date acquired: 28 Oct 2000 2:38
 Method/Operator: C520D_B annex
 Response factor = 1.0 (y=ax)

C5-20 hydrocarbons GC/FID

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Name	Area	Amount ug/mg	Rt	Name	Area	Amount ug/mg	Rt
iC8(ISTD)/224tm-C5	80564333	4.46	19.59	phC6(ISTD)	161873107	4.46	108.03
iC5	21476	0.00	6.02	Benzene	5670	0.00	14.53
nC5	40554	0.00	6.51	Toluene/233tm-C5	37589	0.00	30.62
22dm-C4	180561	0.01	7.38	iC9	2231	0.00	48.16
cyC5	6320	0.00	8.32	e-benzene	7250	0.00	51.05
23dm-C4	4588	0.00	8.36	m-xylene	3928	0.00	53.28
2m-C5	9626	0.00	8.50	p-xylene	5876	0.00	53.64
3m-C5	19313	0.00	9.11	4m-C8	780	0.00	56.35
nC6	15924	0.00	9.94	2m-C8	6385	0.00	56.71
3m-cyC5-ene	16549	0.00	10.20	3m-C8	2881	0.00	58.59
22dm-C5	8249	0.00	11.89	o-xylene	6899	0.00	59.57
m-cyC5	6569	0.00	12.15	nC9	2493	0.00	66.04
24dm-C5	6158	0.00	12.49	iC10	0	0.00	73.07
223tm-C4	4232	0.00	13.15	nC10	75814	0.00	83.01
33dm-C5	45435	0.00	15.33	iC11	8732	0.00	86.12
cyC6	2826	0.00	15.70	nC11	3962	0.00	94.64
2m-C6	13702	0.00	16.74	nC12	40321	0.00	103.88
23dm-C5	16972	0.00	16.94	iC13	37851	0.00	105.22
11dm-cyC5	151043	0.01	17.23	iC14	80437	0.00	110.29
3m-C6	57777	0.00	17.71	nC13	229460	0.01	111.94
1c.3dm-cyC5	7579	0.00	18.58	iC15	173555	0.00	117.81
1t.3dm-cyC5	87919	0.00	19.01	nC14	977677	0.03	119.23
3e-C5	401185	0.02	19.20	iC16	518700	0.01	123.71
1t.2dm-cyC5	232760	0.01	19.35	nC15	374705	0.01	125.97
nC7	15841	0.00	21.20	nC16	295138	0.01	132.29
1c.2dm-cyC5	5092	0.00	24.10	iC18	221916	0.01	135.46
m-cyC6	28341	0.00	24.26	nC17	229225	0.01	138.30
113tm-cyC5	17338	0.00	24.78	pristane	229929	0.01	138.87
e-cyC5	6583	0.00	26.32	nC18	524620	0.01	143.94
25dm-C6	10493	0.00	26.68	phytane	195756	0.01	144.64
223tm-C5/24dm-C6	8906	0.00	26.98	nC19	246933	0.01	149.22
1c.2t.4tm-cyC5	2731	0.00	28.06	nC20	874852	0.02	154.39
33dm-C6	7625	0.00	28.32				
1t.2c.3tm-cyC5	8808	0.00	29.46				
234tm-C5	8129	0.00	30.10				
23dm-C6	10204	0.00	32.41				
2m-C7	12101	0.00	33.74				
4m-C7	17983	0.00	34.08				
3m-C7	6965	0.00	35.33				
1c.3dm-cyC6	15832	0.00	35.45				
1t.4dm-cyC6	4568	0.00	35.91				
11dm-cyC6	11631	0.00	38.39				
1t.2dm-cyC6	6697	0.00	39.46				
nC8	12768	0.00	41.02				
e-cyC6	5541	0.00	46.96				

Parameters	Area	Amount ug/mg
(Thompson 1979/1983)		
Heptane value(1):	1.54	1.54
Isoheptane value(2):	0.21	0.21
Paraffinicity(3):	0.56	0.56
Aromaticity(4):	0.77	0.38

1: 100*nC7/C7paraffins, modified after Thompson 1983
 2: (2mC6+3mC6)/Dm-cycloC5
 3: nC7/m-cycloC6
 4: (m+p)xylenes/nC8

File path: C:\HPCHEM\1\DATA\7216_ISC\
 File name: NSO1_02.D
 Misc info:
 Sample name: NSO1_ref
 Date acquired: 27 Oct 2000 16:35
 Method/Operator: C520D_B annex
 Response factor = 1.0 (y=ax)

C5-20 hydrocarbons GC/FID

Norsk Hydro E&P Research Centre, Bergen
 Petroleum Geochemistry Laboratories



Name	Area	Amount ug/mg	Rt	Name	Area	Amount ug/mg	Rt
iC8(ISTD)/224tm-C5	43225884	8.89	19.58	phC6(ISTD)	55901412	8.89	107.98
iC5	14405961	2.96	6.05	Benzene	14142343	2.25	14.63
nC5	24860354	5.11	6.51	Toluene/233tm-C5	37808633	6.01	30.77
22dm-C4	857833	0.18	7.38	iC9	6844350	1.09	48.11
cyC5	4372759	0.90	8.32	e-benzene	7499213	1.19	51.07
23dm-C4	2071642	0.43	8.37	m-xylene	24319598	3.87	53.36
2m-C5	18214180	3.74	8.52	p-xylene	6745508	1.07	53.61
3m-C5	11312528	2.33	9.13	4m-C8	6528353	1.04	56.36
nC6	39130957	8.04	9.97	2m-C8	8410293	1.34	56.68
3m-cyC5-ene	1803	0.00	10.34	3m-C8	9388546	1.49	58.59
22dm-C5	837831	0.17	11.83	o-xylene	14335086	2.28	59.58
m-cyC5	18264830	3.75	12.09	nC9	48301724	7.68	66.01
24dm-C5	1890331	0.39	12.53	iC10	9561077	1.52	73.00
223tm-C4	181494	0.04	13.17	nC10	47018621	7.47	83.04
33dm-C5	601032	0.12	15.27	iC11	10126202	1.61	86.14
cyC6	32651273	6.71	15.67	nC11	45126366	7.17	94.62
2m-C6	12375600	2.54	16.74	nC12	47352335	7.53	103.91
23dm-C5	4092026	0.84	16.94	iC13	11183534	1.78	105.24
11dm-cyC5	3229595	0.66	17.26	iC14	10746496	1.71	110.28
3m-C6	14121580	2.90	17.81	nC13	40109634	6.38	111.97
1c.3dm-cyC5	4694958	0.97	18.61	iC15	10635461	1.69	117.82
1t.3dm-cyC5	4395240	0.90	18.98	nC14	39631245	6.30	119.26
3e-C5	1176536	0.24	19.15	iC16	15667813	2.49	123.69
1t.2dm-cyC5	8048991	1.65	19.35	nC15	35351235	5.62	126.00
nC7	42121764	8.66	21.19	nC16	32030715	5.09	132.31
1c.2dm-cyC5	479594	0.10	24.12	iC18	9489477	1.51	135.47
m-cyC6	58717218	12.07	24.28	nC17	27902933	4.43	138.26
113tm-cyC5	3901704	0.80	24.83	pristane	16035697	2.55	138.86
e-cyC5	3598442	0.74	26.34	nC18	23371209	3.71	143.89
25dm-C6	1992819	0.41	26.65	phytane	9888781	1.57	144.67
223tm-C5/24dm-C6	2679429	0.55	27.01	nC19	22674551	3.60	149.23
1c.2t.4tm-cyC5	3015345	0.62	28.03	nC20	19328815	3.07	154.34
33dm-C6	786941	0.16	28.34				
1t.2c.3tm-cyC5	3166099	0.65	29.50				
234tm-C5	704724	0.14	30.09				
23dm-C6	3300849	0.68	32.42				
2m-C7	16059977	3.30	33.74				
4m-C7	5859699	1.20	34.04				
3m-C7	10982557	2.26	35.32				
1c.3dm-cyC6	13561839	2.79	35.42				
1t.4dm-cyC6	5505912	1.13	35.81				
11dm-cyC6	3650100	0.75	38.44				
1t.2dm-cyC6	7228498	1.49	39.40				
nC8	49031696	10.08	40.93				
e-cyC6	20548491	4.22	46.89				

Parameters	Area	Amount ug/mg
(Thompson 1979/1983)		
Heptane value(1):	22.20	22.20
Isoheptane value(2):	1.50	1.50
Paraffinicity(3):	0.72	0.72
Aromaticity(4):	0.63	0.49

1: 100*nC7/C7paraffins, modified after Thompson 1983
 2: (2mC6+3mC6)/Dm-cycloC5
 3: nC7/m-cycloC6
 4: (m+p)xYlenes/nC8

File path: C:\HPCHEM\1\DATA\7216_ISB\
 File name: NSO1_02.D
 Misc info:
 Sample name: NSO1_ref
 Date acquired: 23 Oct 2000 18:27
 Method/Operator: C520D_B annex
 Response factor = 1.0 (y=ax)

C5-20 hydrocarbons GC/FID

Norsk Hydro E&P Research Centre, Bergen
 Petroleum Geochemistry Laboratories



Name	Area	Amount ug/mg	Rt	Name	Area	Amount ug/mg	Rt
iC8(ISTD)/224tm-C5	47033562	9.24	19.70	phC6(ISTD)	63366897	9.24	108.00
iC5	12979163	2.55	6.10	Benzene	13456610	1.96	14.74
nC5	22085893	4.34	6.56	Toluene/233tm-C5	38047802	5.55	30.88
22dm-C4	883522	0.17	7.44	iC9	7548512	1.10	48.22
cyC5	4118445	0.81	8.38	e-benzene	7886523	1.15	51.18
23dm-C4	2302435	0.45	8.44	m-xylene	25465515	3.71	53.45
2m-C5	17886991	3.51	8.59	p-xylene	7246767	1.06	53.72
3m-C5	11278794	2.22	9.20	4m-C8	6954480	1.01	56.47
nC6	38004476	7.47	10.05	2m-C8	9181726	1.34	56.79
3m-cyC5-ene	50535	0.01	10.33	3m-C8	10000870	1.46	58.72
22dm-C5	860799	0.17	11.98	o-xylene	15867303	2.31	59.67
m-cyC5	18220118	3.58	12.23	nC9	52019674	7.59	66.10
24dm-C5	1953333	0.38	12.67	iC10	10285400	1.50	73.06
223tm-C4	191552	0.04	13.30	nC10	52055396	7.59	83.08
33dm-C5	635878	0.12	15.38	iC11	12455463	1.82	86.17
cyC6	33428671	6.57	15.78	nC11	49943198	7.28	94.65
2m-C6	12655628	2.49	16.85	nC12	52331453	7.63	103.93
23dm-C5	4265800	0.84	17.05	iC13	12352058	1.80	105.26
11dm-cyC5	3358019	0.66	17.38	iC14	12075366	1.76	110.30
3m-C6	14544324	2.86	17.93	nC13	48258640	7.04	111.99
1c.3dm-cyC5	4827950	0.95	18.73	iC15	13012483	1.90	117.84
1t.3dm-cyC5	4527998	0.89	19.10	nC14	44614045	6.51	119.28
3e-C5	1234421	0.24	19.27	iC16	17684589	2.58	123.71
1t.2dm-cyC5	8348306	1.64	19.46	nC15	43044088	6.28	126.01
nC7	42765527	8.40	21.31	nC16	37293753	5.44	132.32
1c.2dm-cyC5	1061931	0.21	24.25	iC18	11597451	1.69	135.48
m-cyC6	59905231	11.77	24.40	nC17	32248458	4.70	138.27
113tm-cyC5	3757843	0.74	24.95	pristane	18646698	2.72	138.88
e-cyC5	3703189	0.73	26.46	nC18	26441968	3.86	143.90
25dm-C6	2067335	0.41	26.77	phytane	11406479	1.66	144.70
223tm-C5/24dm-C6	2772442	0.54	27.13	nC19	23252887	3.39	149.24
1c.2t.4tm-cyC5	3171250	0.62	28.15	nC20	22151905	3.23	154.35
33dm-C6	819142	0.16	28.46				
1t.2c.3tm-cyC5	3351873	0.66	29.62				
234tm-C5	751771	0.15	30.21				
23dm-C6	3540581	0.70	32.52				
2m-C7	16903247	3.32	33.86				
4m-C7	6180514	1.21	34.14				
3m-C7	10956644	2.15	35.42				
1c.3dm-cyC6	15319901	3.01	35.52				
1t.4dm-cyC6	5888627	1.16	35.92				
11dm-cyC6	3900218	0.77	38.54				
1t.2dm-cyC6	7712957	1.52	39.50				
nC8	51302021	10.08	41.03				
e-cyC6	21805931	4.28	46.99				

Parameters	Area	Amount ug/mg
(Thompson 1979/1983)		
Heptane value(1):	21.97	21.97
Isoheptane value(2)	1.45	1.45
Paraffinicity(3):	0.71	0.71
Aromaticity(4):	0.64	0.47

1: 100*nC7/C7paraffins, modified after Thompson 1983
 2: (2mC6+3mC6)/Dm-cycloC5
 3: nC7/m-cycloC6
 4: (m+p)xylenes/nC8

Appendix E:

GC- FID of the C15+ saturate hydrocarbons in core samples