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REPORT

TITLE

**ANALYSIS OF HEADSPACE AND OCCLUDED GAS
(C₁-C₉) FROM WELL 7316/5-1.**

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CLASSIFICATION

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SUMMARY

This report contains tables with data from gas chromatographic analysis of headspace and occluded gas from 109 canned cuttings samples from Barents Sea well 7316/5-1. The yields ($\mu\text{l}/\text{kg}$ dry rock) and relative proportions (vol%) of 65 hydrocarbon compounds ranging from C₁ to C₉ are reported.

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1. INTRODUCTION

One hundred and nine canned cutting samples from Barents Sea Well 7316/5-1 were received from Norsk Hydro for gas chromatographic analysis of the hydrocarbons contained in the headspace and the occluded gas (C₁-C₉), according to order no. NHT-B44-00522. The cans were received at ambient temperature.

This report contains the results of the gas chromatographic analyses. The hydrocarbon concentrations are expressed as µl gas per kg of dried cuttings (>125µm). The hydrocarbon composition is expressed as volume percent of all recorded hydrocarbons.

2. EXPERIMENTAL METHODS

Headspace gas:

A septum was attached to the can and a sample of the headspace gas was taken for analysis of C₁ - C₉ hydrocarbons.

The gas was analysed on an HP 5880A gas chromatograph fitted with a 50 m x 0.2 mm i.d. fused silica column, coated with 0.5 µm OV-101, and equipped with an FID for hydrocarbon analysis.

Temperature program: - 30°C (2 min.) - 8°C/min. - 170°C (10 min.).

A standard gas sample containing methane, ethane, propane, n-butane, n-pentane, and n-hexane (1000 ppm each) was used for quantification.

The can was then opened and the volumes of the headspace and of the cutting-mud mixture were determined. The cuttings were washed with warm water (30-40°C) on 4.0, 1.0 and 0.125 mm sieves in order to remove the drilling mud, and were then weighed and dried.

Occluded gas:

Prior to drying, an aliquot of the 1-4 mm fraction of each sample was crushed in water for 10 minutes using a gas-tight ball mill. The evolved gas was analysed as described for headspace gas.

Water content:

The water content was determined by drying the fraction >0.125 mm at 35°C for at least 24 hours. It is assumed that this water content is not significantly different from the one of the 1-4 mm fraction.

3. COMMENTS ON SAMPLES AND ANALYTICAL DATA

The wet cutting samples were received in pressure-lid cans of 1 l volume. Since the samples had been stored at ambient temperature, a secondary modification of the gas composition by microbial activity cannot be completely ruled out.

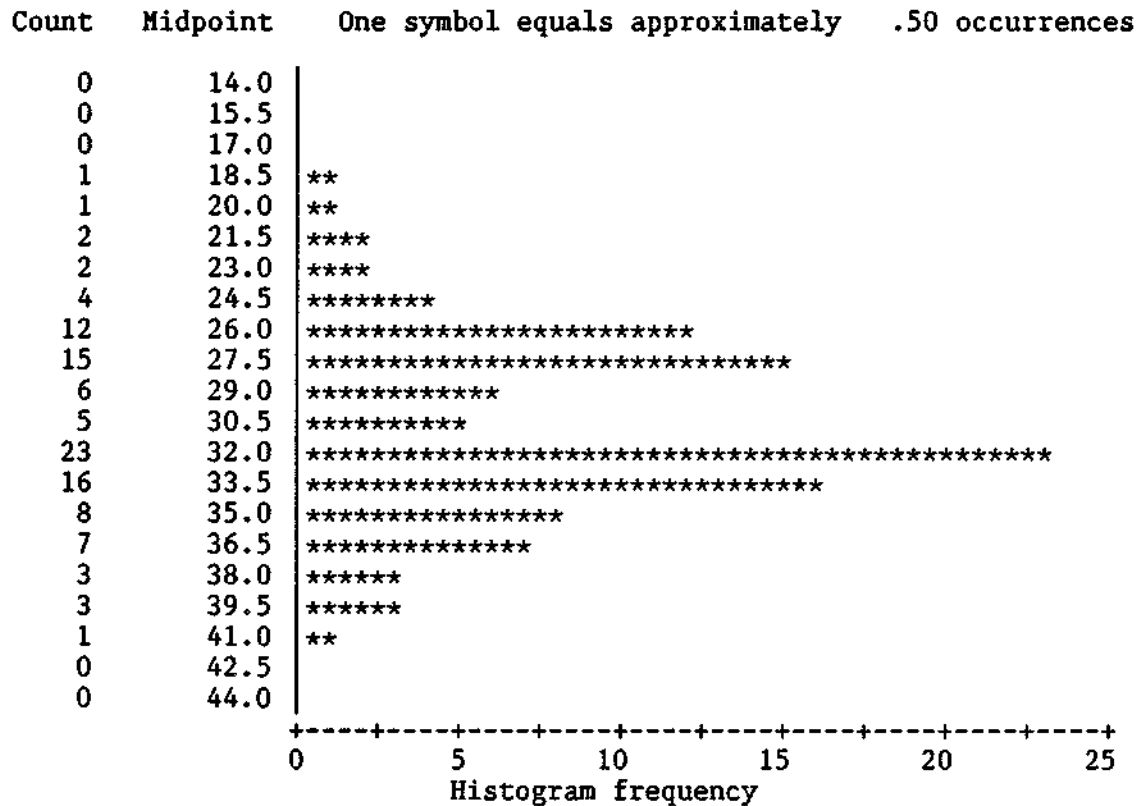
Paint flakes were observed in the sample from 1290 m.

The samples from 3000 m, 3030 m, 3045 m, 3060 m, 3135 m, 3165 m, 3420 m and 3465 m did not contain excess water, although only one metal can (3465 m) showed an obvious leak. The gas data from these samples, particularly those for the headspace gas, should be considered with great caution, although the measured water contents of these sediments are within the normal range.

Significant concentrations of an unidentified compound, coeluting with 2-methyloctane, were detected in a number of samples. This compound may be a contaminant (from the drilling mud?), as it was particularly prominent in the headspace fractions from the top and bottom sections of the well where the gas chromatograms showed no other significant peaks in the C₈-C₉ range. Because of its dubious nature this compound was not included in the tables.

Gas yield and composition are reported with two decimals. This does not reflect a particularly high precision of the data, but shall enable the calculation of compound ratios at low concentrations.

FIGURES



Mean	30.721	Std dev	4.475	Minimum	17.900
Maximum	40.600				

Valid cases	109	Missing cases	0
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Figure 1: Frequency distribution of the water content of the >125µm fraction.

TABLES

Table 1a: Sample identification and experimental data for cutting samples.

IKU-ID	Depth (m)	Total weight (dry) (g)	Water cont. (wt%)	Total sample volume (ml)	Head-space vol. (ml)	Wt. occl. (dry) (g)	Gas vol. occl. (ml)
G6876	930	412.7	19.5	640	140	16.1	32.0
G6878	960	302.6	22.0	870	70	16.5	30.0
G6880	990	49.1	31.7	650	100	13.7	30.0
G6882	1020	25.0	35.3	710	80	13.8	31.0
G6884	1050	50.7	23.4	680	170	14.0	32.0
G6886	1080	54.2	26.4	680	220	14.9	32.0
G6888	1110	37.1	31.6	370	240	13.7	31.0
G6889	1125	21.0	36.6	550	170	12.7	30.0
G6890	1140	50.9	36.3	730	150	12.9	31.0
G6892	1170	37.8	38.4	460	190	12.6	29.0
G6894	1200	59.9	35.0	650	100	13.0	29.0
G6896	1230	72.9	38.1	640	80	12.7	30.0
G6898	1260	139.9	34.7	810	90	13.6	31.0
G6900	1290	48.8	34.9	640	90	13.0	30.0
G6902	1320	72.6	36.5	660	80	12.9	31.0
G6903	1335	63.6	38.9	700	60	12.2	29.0
G6904	1350	62.5	36.7	580	130	13.1	29.0
G6907	1395	98.4	33.9	680	80	13.4	31.0
G6911	1455	174.3	22.2	280	140	15.9	29.0
G6915	1515	46.7	33.2	470	240	13.7	31.0
G6920	1590	132.1	31.3	440	120	14.0	31.0
G6922	1620	111.4	33.9	410	100	13.4	31.0
G6924	1650	103.6	32.4	350	90	13.7	31.0
G6926	1680	136.5	31.9	420	60	13.8	31.0
G6928	1710	120.6	32.0	370	70	13.9	30.0
G6930	1740	144.1	31.3	410	80	14.2	31.0
G6932	1770	177.5	30.7	550	200	14.1	30.0
G6934	1800	129.4	31.3	460	190	13.9	31.0
G6936	1830	80.1	32.8	190	290	13.4	32.0
G6938	1860	156.3	30.1	560	160	14.3	31.0
G6940	1890	153.7	31.7	590	180	13.7	32.0
G6942	1920	86.9	32.5	360	250	13.5	31.0
G6943	1935	136.4	31.4	500	140	13.8	32.0
G6945	1965	114.8	32.4	660	120	13.6	31.0
G6946	1980	141.5	31.6	570	180	13.6	31.0
G6948	2010	69.0	31.9	160	410	13.6	31.0
G6950	2040	97.1	32.2	440	270	13.8	31.0
G6952	2070	123.1	32.3	430	350	13.9	31.0
G6954	2100	239.3	39.5	320	320	12.4	33.0
G6956	2130	194.7	40.1	380	294	12.5	29.0
G6958	2160	149.9	40.6	590	110	12.1	30.0
G6960	2190	176.6	34.8	470	104	13.0	31.0
G6962	2220	62.5	34.0	170	110	13.2	32.0

Comments:

Total weight and water content relate to >125µm fraction.

Total sample volume relates to cuttings plus mud.

Headspace volume relates to atmospheric pressure.

Gas volume occl. is the volume of the headspace in the ball mill.

Table 1a (continued):

IKU-ID	Depth (m)	Total weight (dry) (g)	Water cont. (wt%)	Total sample volume (ml)	Head- space vol. (ml)	Wt. occl. (dry) (g)	Gas vol. occl. (ml)
G6964	2250	245.8	35.8	500	245	13.2	29.0
G6966	2280	166.5	34.2	280	244	13.2	28.0
G6968	2310	189.3	38.6	320	146	12.5	31.0
G6970	2340	178.1	34.5	320	125	13.5	32.0
G6972	2370	269.4	32.9	450	178	14.4	31.0
G6974	2400	234.2	34.3	350	320	13.3	33.0
G6976	2430	215.6	33.7	300	330	13.7	30.0
G6978	2460	312.5	35.1	480	350	13.0	32.0
G6980	2490	282.3	32.0	520	360	14.1	31.0
G6982	2520	310.1	33.0	520	145	13.9	31.0
G6984	2550	266.2	32.9	540	175	13.4	32.0
G6986	2580	337.8	33.0	580	78	13.5	34.0
G6988	2610	178.8	33.7	340	135	13.6	31.0
G6990	2640	223.8	33.3	370	226	13.4	31.0
G6992	2670	215.7	33.4	360	260	14.1	31.0
G6994	2700	332.0	32.9	450	230	13.8	31.0
G6996	2730	334.0	31.7	500	240	13.8	33.0
G6998	2760	241.3	35.9	420	320	13.1	28.0
G7186	2790	323.2	24.0	470	120	15.4	28.0
G7188	2820	285.6	29.6	430	170	14.1	32.0
G7190	2850	316.8	17.9	840	100	16.6	26.0
G7191	2865	339.8	32.0	400	150	13.7	32.0
G7192	2880	324.2	30.8	480	230	13.8	33.0
G7193	2895	303.8	29.9	440	230	14.7	33.0
G7194	2910	296.9	32.2	360	310	14.1	31.0
G7196	2940	197.4	31.7	350	255	13.8	33.0
G7197	2955	230.6	28.6	450	200	14.4	31.0
G7198	2970	291.6	31.4	460	250	13.9	34.0
G7199	2985	193.3	27.1	170	450	14.8	34.0
G7200	3000	256.9	28.5	650	350	14.9	32.0
G7202	3030	293.6	28.6	450	550	14.5	34.0
G7203	3045	275.2	25.4	390	610	15.0	32.0
G7204	3060	400.9	27.5	550	450	14.5	32.0
G7206	3090	814.3	27.0	840	100	14.5	32.0
G7209	3135	53.0	36.5	580	420	5.4	36.0
G7211	3165	101.8	33.1	540	460	13.6	31.0
G7212	3180	160.1	32.3	720	110	13.5	33.0
G7213	3195	227.3	30.1	760	146	14.2	31.0
G7216	3240	383.8	28.2	740	130	14.6	34.0
G7218	3270	467.4	26.4	820	106	15.3	33.0
G7220	3300	431.7	25.0	730	115	15.7	32.0
G7222	3330	517.0	26.1	745	104	15.1	32.0
G7224	3360	547.6	26.8	770	154	15.2	33.0

Comments:

Total weight and water content relate to >125 μ m fraction.

Total sample volume relates to cuttings plus mud.

Headspace volume relates to atmospheric pressure.

Gas volume occl. is the volume of the headspace in the ball mill.

Table 1a (continued):

IKU-ID	Depth (m)	Total weight (dry) (g)	Water cont. (wt%)	Total sample volume (ml)	Head- space vol. (ml)	Wt. occl. (dry) (g)	Gas vol. occl. (ml)
G7226	3390	636.1	26.3	700	170	15.0	34.0
G7228	3420	617.7	27.9	650	350	15.0	33.0
G7231	3465	576.9	27.2	550	450	14.8	31.0
G7232	3480	787.2	27.6	730	142	14.8	34.0
G7234	3510	682.0	23.6	750	160	15.4	35.0
G7236	3540	592.8	25.3	540	176	15.5	34.0
G7237	3555	687.5	27.3	750	90	14.8	32.0
G7238	3570	613.5	28.5	780	84	14.6	32.0
G7240	3600	626.8	27.8	750	108	14.8	33.0
G7242	3630	752.4	25.6	700	270	15.4	31.0
G7244	3660	795.7	25.9	810	35	14.8	34.0
G7246	3690	623.6	27.1	650	110	14.8	32.0
G7248	3720	556.2	25.8	720	115	15.4	32.0
G7250	3750	554.8	26.9	700	160	15.0	32.0
G7252	3780	488.0	28.3	620	76	14.4	33.0
G7255	3825	694.2	25.4	670	95	14.9	33.0
G7257	3855	718.6	25.1	740	100	15.4	33.0
G7258	3870	688.6	26.5	770	120	15.1	33.0
G7261	3915	615.9	28.1	630	138	14.5	33.0
G7262	3930	605.8	27.8	740	94	15.1	31.0
G7264	3960	860.3	24.7	730	116	15.4	33.0
G7266	3990	818.0	26.1	790	78	15.3	32.0
G7268	4020	495.4	28.2	740	48	14.4	32.0

Comments:

Total weight and water content relate to >125µm fraction.

Total sample volume relates to cuttings plus mud.

Headspace volume relates to atmospheric pressure.

Gas volume occl. is the volume of the headspace in the ball mill.

Table 2: Yield of hydrocarbons in headspace and occluded gas.

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS ($\mu\text{l/kg}$ dry sediment)

COMPOUND	SAMPLE-ID	G6876/H	G6876/O	G6878/H	G6878/O	G6880/H	G6880/O
	DEPTH (m)	930.00	930.00	960.00	960.00	990.00	990.00
C1		5600.73	634.62	9490.15	397.46	60234.32	299.69
C2ene		0.00	4.29	0.00	6.60	0.00	6.81
C2		3.44	14.25	15.21	13.37	123.88	10.83
C3ene		0.84	0.00	1.96	0.00	15.10	0.00
C3		0.00	0.00	0.00	0.00	7.72	0.00
i-C4		0.00	0.00	0.00	0.00	0.00	0.00
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	0.00	0.00	0.00	0.00	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
CyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		2.69	4.38	0.00	0.00	0.00	0.00
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.70	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		1.47	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		5609.9	657.5	9507.3	417.4	60381.0	317.3

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (µl/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G6882/H 1020.00	G6882/O 1020.00	G6884/H 1050.00	G6884/O 1050.00	G6886/H 1080.00	G6886/O 1080.00
C1		218884.69	354.32	31448.15	232.97	52727.70	226.72
C2ene		0.00	0.00	0.00	0.00	0.00	0.00
C2		269.12	9.89	30.85	8.07	70.81	7.10
C3ene		27.47	0.00	39.61	0.00	32.84	0.00
C3		14.78	0.00	0.00	0.00	0.00	0.00
i-C4		0.00	0.00	0.00	0.00	0.00	0.00
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	0.00	0.00	0.00	0.00	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
CyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		219196.1	364.2	31518.6	241.0	52831.3	233.8

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (μ l/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G6888/H 1110.00	G6888/O 1110.00	G6889/H 1125.00	G6889/O 1125.00	G6890/H 1140.00	G6890/O 1140.00
C1		41271.78	240.21	104281.53	353.34	85863.82	289.40
C2ene		0.00	0.00	0.00	10.45	0.00	8.49
C2		135.27	7.25	407.55	16.16	202.45	13.47
C3ene		27.29	0.00	57.01	6.74	14.03	5.44
C3		16.99	0.00	49.40	4.69	37.33	0.00
i-c4		0.00	0.00	0.00	0.00	0.00	0.00
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-c4		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-c5		0.00	0.00	0.00	0.00	0.00	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-c5		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-c6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
n-c7		0.00	0.00	0.00	0.00	0.00	0.00
MCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-c8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-c9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		41451.3	247.5	104795.5	391.4	86117.6	316.8

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS ($\mu\text{l}/\text{kg}$ dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G6892/H 1170.00	G6892/O 1170.00	G6894/H 1200.00	G6894/O 1200.00	G6896/H 1230.00	G6896/O 1230.00
C1		55648.59	204.25	69982.58	366.12	40183.49	258.45
C2ene		0.00	6.72	0.00	14.31	0.00	18.40
C2		83.56	8.63	178.51	17.66	219.57	22.49
C3ene		14.31	4.56	21.07	8.58	25.43	12.89
C3		0.00	0.00	17.39	5.29	26.50	8.20
i-C4		0.00	0.00	0.00	0.00	0.00	0.00
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		0.00	0.00	0.00	0.00	3.42	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	0.00	0.00	0.00	2.94	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
7, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
7, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		55746.5	224.2	70199.5	412.0	40461.3	320.4

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS ($\mu\text{l}/\text{kg}$ dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G6898/H 1260.00	G6898/O 1260.00	G6900/H 1290.00	G6900/O 1290.00	G6902/H 1320.00	G6902/O 1320.00
C1		66904.10	272.95	53554.43	144.53	67371.91	276.61
C2ene		0.00	8.91	0.00	8.96	0.00	19.63
C2		283.34	14.06	345.17	9.80	301.21	20.17
C3ene		19.09	6.38	77.03	5.26	53.32	13.72
C3		41.84	5.73	34.23	0.00	40.51	6.97
i-C4		3.90	0.00	4.03	0.00	8.09	0.00
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		7.87	0.00	12.16	0.00	12.70	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		6.72	0.00	11.71	0.00	13.35	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		4.35	0.00	12.33	0.00	9.92	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		2.13	0.00	6.61	0.00	5.96	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		1.89	0.00	8.53	0.00	5.15	5.36
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		1.42	0.00	0.00	0.00	4.19	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc5		0.00	0.00	0.00	0.00	2.56	0.00
1t,3-DMCyc5		0.00	0.00	0.00	0.00	2.51	0.00
1t,2-DMCyc5		0.00	0.00	0.00	0.00	3.72	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyc6		0.00	0.00	4.82	0.00	4.47	7.93
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		67276.7	308.0	54071.1	168.5	67839.6	350.4

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (µl/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G6903/H 1335.00	G6903/O 1335.00	G6904/H 1350.00	G6904/O 1350.00	G6907/H 1395.00	G6907/O 1395.00
C1		39612.79	258.67	102684.69	289.18	51422.54	318.87
C2ene		0.00	27.07	0.00	20.24	0.00	15.49
C2		274.22	24.40	518.94	21.91	414.70	23.22
C3ene		81.90	21.59	47.75	16.69	42.21	13.80
C3		34.49	9.46	199.84	12.84	62.72	9.24
i-C4		9.51	0.00	131.28	9.84	23.66	0.00
C4enes		0.00	7.27	0.00	5.01	0.00	0.00
n-C4		10.26	0.00	110.55	14.39	21.42	6.16
2,2-DMC3		0.00	0.00	4.53	0.00	0.00	0.00
i-C5		11.08	0.00	52.09	11.33	8.80	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		7.06	0.00	29.55	9.57	6.56	0.00
2,2-DMC4		0.00	0.00	6.70	0.00	0.00	0.00
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	5.03	0.00	0.00	0.00
2-MC5		5.13	0.00	7.29	4.60	2.20	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		3.95	5.35	5.68	5.44	2.92	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		3.02	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc5		2.47	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyc6		4.52	8.10	5.01	5.89	0.00	0.00
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		40060.4	361.9	103808.9	426.9	52007.7	386.8

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS ($\mu\text{l/kg}$ dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G6911/H 1455.00	G6911/O 1455.00	G6915/H 1515.00	G6915/O 1515.00	G6920/H 1590.00	G6920/O 1590.00
C1		20634.47	391.31	120629.34	360.90	39618.29	234.17
C2ene		0.00	25.79	0.00	23.77	0.00	19.84
C2		278.21	36.92	2513.33	42.67	1333.57	28.04
C3ene		3.55	17.97	41.76	16.90	2.29	11.96
C3		93.55	31.43	1511.09	50.97	1625.89	100.23
i-C4		2.91	0.00	897.33	61.94	828.84	114.77
C4enes		0.00	8.88	0.00	5.75	0.00	0.00
n-C4		9.59	12.80	511.41	64.32	669.30	163.71
2,2-DMC3		0.00	0.00	12.09	0.00	9.73	0.00
i-C5		0.00	0.00	370.78	91.94	340.69	164.59
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	3.59	143.16	57.84	170.85	130.36
2,2-DMC4		0.00	0.00	17.63	6.64	18.16	12.16
CyC5		0.00	0.00	0.00	0.00	6.05	4.44
2,3-DMC4		0.00	0.00	20.50	9.50	17.88	16.65
2-MC5		0.00	0.00	69.18	45.25	64.56	82.27
3-MC5		0.00	0.00	35.02	22.92	33.15	41.97
n-C6		0.00	0.00	54.88	50.74	56.02	97.49
2,2-DMC5		0.00	0.00	0.00	0.00	3.35	5.08
MCyC5		0.00	0.00	45.20	24.11	29.94	38.47
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	4.09	6.69
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.00	0.00	0.00	0.00	13.60	18.14
2-MC6		0.00	0.00	15.43	15.72	13.46	28.86
2,3-DMC5		0.00	0.00	0.00	6.70	5.29	10.16
1,1-DMCyC5		0.00	0.00	0.00	0.00	2.11	0.00
3-MC6		0.00	0.00	13.76	14.18	11.92	26.47
1c,3-DMCyC5		0.00	0.00	0.00	5.98	3.85	8.34
1t,3-DMCyC5		0.00	0.00	0.00	7.07	3.98	8.93
1t,2-DMCyC5		0.00	0.00	11.86	10.62	4.53	9.83
n-C7		0.00	0.00	25.83	30.33	21.03	56.48
MCyC6		0.00	0.00	54.41	47.97	29.30	65.17
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	2.09	5.85
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	4.67
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	4.76
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	5.00	4.85	13.87
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	3.30	8.94
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC6		0.00	0.00	0.00	7.88	2.89	10.91
1t,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	4.43
1c,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	15.08	15.72	8.73	26.85
?, RI is 807		0.00	0.00	0.00	4.83	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6		0.00	0.00	0.00	0.00	0.00	5.36
?, RI is 842		0.00	0.00	0.00	10.46	0.00	7.98
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	4.67
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	2.58	9.05
SUM:		21022.3	528.7	127009.1	1118.6	44966.2	1612.6

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (µl/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G6922/H 1620.00	G6922/O 1620.00	G6924/H 1650.00	G6924/O 1650.00	G6926/H 1680.00	G6926/O 1680.00
C1		25689.49	314.32	23451.24	348.80	21713.48	267.09
C2ene		0.00	31.51	0.00	35.84	0.00	26.49
C2		757.10	40.90	710.56	50.66	941.57	58.43
C3ene		2.04	21.04	2.63	25.61	1.38	18.31
C3		686.10	100.12	414.48	101.08	839.02	199.30
i-C4		314.45	94.56	124.00	65.93	367.43	184.15
C4enes		0.00	5.81	0.00	13.26	0.00	5.36
n-C4		184.33	103.01	66.30	65.66	158.16	143.58
2,2-DMC3		3.97	0.00	0.00	0.00	3.47	0.00
i-C5		104.13	106.95	38.32	71.70	83.41	138.82
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		41.19	71.74	11.48	37.02	26.06	70.83
2,2-DMC4		5.33	7.57	0.00	0.00	3.15	6.73
CyC5		0.00	0.00	0.00	0.00	1.27	0.00
2,3-DMC4		5.04	10.27	0.00	5.99	3.62	11.41
2-MC5		18.28	52.47	4.53	26.99	11.74	49.63
3-MC5		8.54	23.88	1.83	10.97	4.86	20.90
n-C6		13.97	57.11	2.48	24.31	6.92	43.56
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyC5		9.61	24.93	4.61	28.44	6.34	31.98
2,4-DMC5		0.00	4.72	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		2.05	5.03	0.00	5.31	0.00	4.76
2-MC6		3.66	19.39	0.00	6.16	1.79	14.18
2,3-DMC5		0.00	8.17	0.00	4.84	1.18	7.90
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		3.04	17.60	0.00	6.25	1.50	12.30
1c,3-DMCyC5		0.00	6.12	0.00	5.57	0.96	7.26
1t,3-DMCyC5		0.00	6.75	0.00	5.53	0.93	7.07
1t,2-DMCyC5		0.00	5.93	0.00	5.47	0.92	6.75
n-C7		5.43	37.42	0.00	18.97	2.63	29.30
MCyC6		8.87	40.28	0.00	37.94	5.01	44.08
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	4.63
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	9.08	0.00	8.59
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	8.66	0.00	4.68	0.00	8.44
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	5.71	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC6		0.00	6.69	0.00	5.66	0.00	7.24
1t,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		2.36	17.35	0.00	9.42	1.17	14.56
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	7.00	0.00	8.17	0.00	12.55
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	7.44	0.00	6.16
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	7.77	0.00	5.92
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	4.85	0.00	0.00	0.00	0.00
SUM:		27869.0	1267.9	24832.5	1060.5	24188.0	1478.3

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (µl/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G6928/H 1710.00	G6928/O 1710.00	G6930/H 1740.00	G6930/O 1740.00	G6932/H 1770.00	G6932/O 1770.00
C1		21956.16	235.63	26913.89	241.85	24113.09	177.77
C2ene		0.00	27.15	0.00	18.50	0.00	13.30
C2		955.50	59.66	1463.32	61.45	1122.26	42.18
C3ene		1.49	18.36	1.78	10.40	3.47	7.84
C3		793.84	264.52	1418.72	286.06	1025.89	184.97
i-C4		276.73	255.70	602.82	282.44	409.66	187.93
C4enes		0.00	5.48	0.00	0.00	0.00	0.00
n-C4		140.96	219.52	322.75	262.91	191.40	144.42
2,2-DMC3		2.04	0.00	4.69	0.00	2.52	0.00
i-C5		61.86	194.64	132.91	207.39	81.81	110.88
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		22.65	109.60	53.67	128.56	32.55	63.25
2,2-DMC4		2.34	9.44	5.74	11.56	2.84	4.66
Cyc5		0.00	0.00	1.45	0.00	0.00	0.00
2,3-DMC4		2.62	15.67	6.00	16.63	4.17	8.39
2-MC5		9.46	65.49	20.02	70.06	13.34	34.74
3-MC5		3.95	27.01	8.63	30.48	5.84	13.67
n-C6		6.67	59.17	14.81	67.97	10.49	31.82
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		4.43	31.28	6.84	20.85	7.67	14.85
2,4-DMC5		0.00	4.77	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	1.42	5.26	0.00	0.00
Benzene		0.00	4.59	1.12	0.00	2.79	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	5.59	1.67	4.77	0.00	0.00
2-MC6		1.84	15.79	3.88	17.30	2.68	7.28
2,3-DMC5		0.00	8.20	1.48	7.43	0.00	0.00
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		1.50	13.27	3.03	13.85	0.00	6.10
1c,3-DMCyc5		0.00	6.77	0.00	4.64	0.00	0.00
1t,3-DMCyc5		0.00	6.71	0.00	4.57	0.00	0.00
1t,2-DMCyc5		0.00	6.80	0.00	4.68	0.00	0.00
n-C7		2.89	31.26	5.71	27.87	4.20	14.53
MCyc6		3.50	38.29	5.78	25.09	6.73	14.20
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	7.58	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	5.04	1.43	4.73	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	4.41	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		1.31	12.11	2.41	8.87	0.00	5.01
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	6.33	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	4.63	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		24251.7	1780.5	31006.0	1846.2	27043.4	1087.8

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS ($\mu\text{l}/\text{kg}$ dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G6934/H 1800.00	G6934/O 1800.00	G6936/H 1830.00	G6936/O 1830.00	G6938/H 1860.00	G6938/O 1860.00
C1		37855.33	212.69	26640.61	260.40	28460.14	294.68
C2ene		0.00	14.44	0.00	25.47	0.00	26.01
C2		2125.37	59.92	2193.96	31.67	1885.42	87.38
C3ene		7.19	383.26	28.45	14.39	5.89	17.74
C3		2067.61	7.98	3898.62	167.85	1663.74	425.98
i-C4		975.36	453.28	2717.24	327.95	867.24	555.36
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		549.00	385.00	1595.18	302.28	275.18	289.42
2,2-DMC3		7.20	0.00	19.65	0.00	3.28	0.00
i-C5		232.95	278.96	773.47	297.01	114.69	225.10
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		104.48	169.84	349.80	197.39	32.08	91.50
2,2-DMC4		10.42	15.12	33.96	17.29	0.00	4.63
CyC5		3.59	0.00	14.86	4.88	2.19	0.00
2,3-DMC4		11.09	19.74	41.44	27.26	4.51	15.00
2-MC5		38.79	88.04	139.82	123.18	10.63	43.36
3-MC5		17.40	37.47	65.37	53.32	4.16	15.43
n-C6		31.17	85.53	85.00	129.04	5.95	28.76
2,2-DMC5		0.00	4.90	0.00	7.61	0.00	0.00
MCyC5		14.66	25.55	63.88	36.88	8.93	23.63
2,4-DMC5		0.00	6.24	9.29	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	10.99	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	2.99	4.42
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		5.88	7.08	35.31	17.64	2.08	4.62
2-MC6		7.56	21.63	28.36	38.10	0.00	5.63
2,3-DMC5		0.00	8.51	13.34	14.45	0.00	5.81
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		6.47	17.19	25.73	31.81	0.00	5.04
1c,3-DMCyC5		0.00	0.00	8.40	8.21	0.00	0.00
1t,3-DMCyC5		0.00	4.63	8.46	8.47	0.00	0.00
1t,2-DMCyC5		0.00	5.06	9.77	9.35	0.00	0.00
n-C7		11.56	37.23	31.32	69.08	2.84	12.19
MCyC6		13.98	26.64	66.50	56.50	5.35	21.10
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	6.04	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	5.30	8.92	6.59	2.96	8.11
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	6.08	0.00	14.80	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	5.18	0.00	9.09	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC6		0.00	0.00	0.00	6.43	0.00	0.00
1t,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		4.33	12.85	13.50	25.04	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	5.67	0.00	0.00
SUM:		44101.4	2405.3	38920.2	2362.1	33360.3	2210.9

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (μ l/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G6940/H	G6940/O	G6942/H	G6942/O	G6943/H	G6943/O
		1890.00	1890.00	1920.00	1920.00	1935.00	1935.00
C1		37373.03	225.39	33165.36	199.62	24829.77	235.03
C2ene		0.00	21.80	0.00	20.23	0.00	24.92
C2		2708.80	62.06	2251.35	39.19	1686.11	86.82
C3ene		16.44	13.17	33.70	13.38	7.42	17.69
C3		2516.85	339.51	2947.96	239.12	1635.48	480.94
i-C4		1604.07	590.18	2480.14	495.85	1141.29	835.60
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		379.96	224.72	498.45	163.91	188.05	229.82
2,2-DMC3		4.89	0.00	7.36	0.00	3.13	0.00
i-C5		206.96	237.38	368.82	214.16	124.89	273.22
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		46.47	75.91	75.76	64.47	22.28	75.48
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
Cyc5		3.71	0.00	8.26	0.00	3.02	5.47
2,3-DMC4		8.79	17.00	20.20	19.42	5.99	21.13
2-MC5		18.51	44.72	41.48	49.88	11.68	53.71
3-MC5		6.66	14.79	15.10	17.14	4.46	18.00
n-C6		9.09	24.62	20.12	28.05	5.48	28.60
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		14.72	26.82	39.65	29.33	11.74	32.34
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		3.57	4.82	8.47	0.00	3.30	5.30
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		2.79	0.00	7.54	4.81	2.44	6.28
2-MC6		0.00	4.77	0.00	6.13	0.00	5.55
2,3-DMC5		0.00	6.46	6.79	7.76	0.00	7.50
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	5.55	0.00	5.38
1c,3-DMCyc5		0.00	5.04	6.24	6.50	0.00	6.14
1t,3-DMCyc5		0.00	0.00	0.00	5.82	0.00	5.38
1t,2-DMCyc5		0.00	0.00	0.00	4.81	0.00	4.63
n-C7		4.21	11.12	7.18	14.06	2.26	13.58
MCyc6		9.31	21.90	29.65	27.34	8.43	25.93
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		3.02	7.28	10.59	7.52	3.53	9.56
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		44941.8	1979.5	42050.2	1684.1	29700.7	2514.0

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS ($\mu\text{l/kg}$ dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G6945/H	G6945/O	G6946/H	G6946/O	G6948/H	G6948/O
		1965.00	1965.00	1980.00	1980.00	2010.00	2010.00
C1		22825.88	234.98	34312.14	233.57	18910.02	168.30
C2ene		0.00	22.48	0.00	23.77	0.00	20.93
C2		1610.37	85.18	2825.18	93.34	2161.16	42.73
C3ene		5.12	15.16	6.62	15.63	18.97	13.18
C3		1643.31	481.07	2825.94	538.62	2923.39	445.04
i-C4		1196.22	880.17	2127.33	1001.87	2044.60	1096.34
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		197.41	236.02	345.12	263.87	381.04	304.08
2,2-DMC3		3.11	0.00	5.61	0.00	0.00	0.00
1-C5		129.22	278.67	205.83	288.31	168.03	298.29
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		23.21	76.56	36.53	77.00	33.81	73.72
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
CyC5		3.15	5.39	5.57	5.76	0.00	5.22
2,3-DMC4		6.32	23.06	9.70	22.25	0.00	18.69
2-MC5		11.13	56.37	16.75	52.31	12.10	40.46
3-MC5		4.07	20.18	6.93	18.87	0.00	11.79
n-C6		5.05	31.75	7.70	29.62	0.00	20.87
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyC5		11.55	31.88	15.83	29.84	0.00	17.15
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		2.49	5.59	4.31	5.85	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		2.67	6.31	3.57	5.72	0.00	0.00
2-MC6		0.00	6.70	0.00	6.26	0.00	0.00
2,3-DMC5		0.00	8.26	0.00	7.99	0.00	0.00
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	6.00	0.00	5.98	0.00	0.00
1c,3-DMCyC5		0.00	7.15	0.00	6.54	0.00	0.00
1t,3-DMCyC5		0.00	6.08	0.00	5.55	0.00	0.00
1t,2-DMCyC5		0.00	6.17	2.58	7.09	0.00	0.00
n-C7		0.00	14.69	3.37	12.92	0.00	7.10
MCyC6		6.79	30.59	11.95	28.32	0.00	8.50
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		2.96	9.93	3.51	8.55	0.00	4.96
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI 1s 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	5.06	0.00	0.00	0.00	0.00
?, RI 1s 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI 1s 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI 1s 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI 1s 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI 1s 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI 1s 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		27690.0	2591.5	42782.1	2795.4	26653.1	2597.3

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (µl/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G6950/H 2040.00	G6950/O 2040.00	G6952/H 2070.00	G6952/O 2070.00	G6954/H 2100.00	G6954/O 2100.00
C1		29637.11	169.59	21931.47	163.57	7677.85	203.27
C2ene		0.00	19.18	0.00	21.66	0.00	33.73
C2		1894.43	43.14	1786.71	53.87	748.41	63.15
C3ene		30.27	15.02	24.90	15.64	12.83	23.68
C3		2957.82	372.66	3021.57	532.02	1305.34	659.91
i-C4		2710.69	992.68	2683.11	1335.18	1059.55	1594.43
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		604.95	324.84	689.44	534.53	326.29	744.37
2,2-DMC3		7.77	0.00	7.78	5.93	3.03	6.38
i-C5		322.96	348.85	334.93	530.26	148.56	677.20
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		65.60	95.54	72.60	155.65	36.36	231.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
CyC5		10.76	6.93	13.53	11.57	7.31	16.54
2,3-DMC4		15.05	24.41	12.63	33.52	5.31	40.79
2-MC5		28.03	58.87	27.19	88.75	12.85	124.49
3-MC5		8.59	16.79	10.21	28.95	4.82	40.41
n-C6		13.75	28.66	12.21	45.21	6.13	67.78
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyC5		23.26	25.29	29.21	49.50	16.78	69.09
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		6.67	0.00	6.13	0.00	3.48	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		6.94	6.21	9.24	12.11	6.49	20.27
2-MC6		0.00	6.24	0.00	11.05	0.00	17.07
2,3-DMC5		0.00	6.78	0.00	9.55	0.00	12.29
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	7.66	0.00	11.12
1c,3-DMCyC5		0.00	0.00	0.00	7.01	0.00	10.75
1t,3-DMCyC5		0.00	0.00	0.00	6.36	0.00	10.48
1t,2-DMCyC5		0.00	0.00	0.00	8.86	0.00	15.53
n-C7		5.80	9.86	0.00	15.46	0.00	23.48
MCyC6		10.90	15.38	15.92	33.97	10.45	49.29
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		6.98	5.74	6.23	5.95	4.17	8.42
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	7.09
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC6		0.00	0.00	0.00	0.00	0.00	5.39
1t,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	4.65	0.00	7.06
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		38368.3	2592.7	30695.0	3728.4	11396.0	4794.4

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS ($\mu\text{l}/\text{kg}$ dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G6956/H 2130.00	G6956/O 2130.00	G6958/H 2160.00	G6958/O 2160.00	G6960/H 2190.00	G6960/O 2190.00
C1		7305.54	164.21	8607.13	286.75	7077.18	192.46
C2ene		0.00	30.12	0.00	42.37	0.00	27.49
C2		732.50	30.76	571.73	49.15	566.78	43.18
C3ene		8.05	19.07	25.14	32.89	9.55	17.22
C3		1954.80	262.77	1874.68	440.94	1646.40	535.27
i-C4		2099.55	714.61	2252.55	1277.45	1461.21	1300.91
C4enes		0.00	4.71	0.00	11.69	0.00	0.00
n-C4		816.66	476.38	938.47	905.07	746.83	1058.17
2,2-DMC3		7.54	0.00	9.31	7.00	5.35	6.75
i-C5		447.00	474.24	493.98	942.80	322.14	944.81
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		126.06	215.34	151.96	437.08	119.70	498.42
2,2-DMC4		0.00	0.00	3.16	8.57	2.09	8.49
Cyc5		20.93	14.60	14.73	27.73	13.98	30.88
2,3-DMC4		17.07	31.92	17.52	62.15	11.08	56.97
2-MC5		45.99	120.02	49.81	231.43	33.42	232.02
3-MC5		18.11	41.47	19.37	85.71	14.33	90.32
n-C6		19.90	86.78	27.11	160.99	21.41	183.76
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		56.79	73.28	41.40	128.43	32.71	126.94
2,4-DMC5		0.00	5.95	1.52	9.38	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	8.95
Benzene		5.37	0.00	0.00	0.00	1.70	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		24.72	26.05	18.99	52.17	20.22	64.17
2-MC6		5.62	25.38	5.64	42.07	4.30	42.91
2,3-DMC5		4.24	15.27	3.78	23.73	2.72	21.94
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	4.70
3-MC6		4.24	16.28	3.69	27.67	2.93	29.31
1c,3-DMCyc5		5.19	11.93	3.94	19.36	3.05	19.31
1t,3-DMCyc5		5.13	11.59	3.93	19.70	3.06	19.53
1t,2-DMCyc5		8.50	17.54	6.61	31.73	5.19	31.38
n-C7		4.61	38.78	6.68	57.06	4.67	62.37
MCyc6		36.43	66.26	25.88	107.70	22.07	109.38
1,1,3-TMCyc5		0.00	0.00	0.00	7.69	0.00	8.89
2,5-DMC6		0.00	0.00	0.00	5.10	1.40	5.10
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	7.46	0.00	7.38
Toluene		9.28	9.45	2.52	11.42	2.53	8.25
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	11.03	2.27	14.65	1.47	14.96
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	4.95	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	7.83	2.02	11.59	1.61	10.66
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	14.60	2.82	19.33	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		13789.8	3038.2	15188.4	5611.0	12161.1	5823.3

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS ($\mu\text{l}/\text{kg}$ dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G6962/H 2220.00	G6962/O 2220.00	G6964/H 2250.00	G6964/O 2250.00	G6966/H 2280.00	G6966/O 2280.00
C1		21333.93	227.71	6859.56	242.39	11727.75	205.80
C2ene		0.00	33.38	0.00	42.67	0.00	42.70
C2		1847.67	43.54	555.19	54.17	1010.18	34.74
C3ene		12.72	19.78	5.21	25.27	7.14	23.47
C3		5254.03	538.56	1535.87	626.66	3879.30	457.00
i-C4		4325.74	1488.75	1225.15	1402.67	2762.65	1163.86
C4enes		0.00	0.00	0.00	5.51	0.00	5.73
n-C4		2659.90	1436.33	793.55	1443.13	2361.06	1568.83
2,2-DMC3		15.23	9.21	4.36	8.10	8.94	7.04
i-C5		1138.85	1379.09	335.20	1250.24	813.16	1306.93
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		491.06	828.54	147.30	816.31	450.00	1050.42
2,2-DMC4		8.22	14.79	2.53	15.66	6.94	18.98
Cyc5		49.95	47.42	21.30	51.03	55.57	56.84
2,3-DMC4		42.71	92.04	12.79	87.64	28.10	88.96
2-MC5		143.50	390.13	40.53	387.78	99.38	446.58
3-MC5		63.24	159.34	19.03	166.52	49.78	204.35
n-C6		106.01	334.25	30.27	370.02	90.29	490.72
2,2-DMC5		0.00	6.33	0.00	7.29	0.00	10.10
MCyc5		126.41	208.00	46.47	205.43	110.08	234.87
2,4-DMC5		0.00	0.00	0.00	18.93	0.00	20.91
2,2,3-TMC4		4.14	17.76	0.00	0.00	0.00	0.00
Benzene		4.73	0.00	4.46	4.54	6.37	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		84.51	121.14	37.27	142.55	116.75	200.54
2-MC6		21.05	75.73	5.63	86.82	13.96	106.67
2,3-DMC5		11.85	37.91	3.40	41.26	7.52	45.18
1,1-DMCyc5		4.63	10.25	0.00	12.22	5.59	18.73
3-MC6		15.08	52.80	4.19	64.40	10.90	81.72
1c,3-DMCyc5		12.69	31.79	4.06	33.00	9.52	39.78
1t,3-DMCyc5		12.83	32.67	3.83	34.07	9.71	42.33
1t,2-DMCyc5		20.88	51.83	6.15	51.40	14.99	62.81
n-C7		31.23	114.27	8.63	144.04	24.26	187.79
MCyc6		95.39	197.10	35.86	226.91	94.71	286.53
1,1,3-TMCyc5		5.12	14.10	0.00	18.65	4.51	22.92
2,5-DMC6		6.03	15.38	2.12	18.20	4.24	21.83
2,4-DMC6		0.00	8.56	0.00	10.15	0.00	13.31
1t,2c,3-TMCyc5		4.03	12.49	0.00	14.36	0.00	16.13
Toluene		9.26	18.66	8.08	18.59	15.45	14.88
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	7.79
2-MC7		5.88	21.31	2.45	34.37	5.62	45.42
4-MC7		0.00	0.00	0.00	0.00	0.00	5.60
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	8.55	0.00	11.92	0.00	15.33
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		9.02	19.23	2.70	21.72	6.41	31.73
1t,4-DMCyc6		0.00	6.92	0.00	9.81	0.00	12.05
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	4.28
n-C8		14.27	39.61	4.59	53.20	11.72	70.15
?, RI is 807		0.00	0.00	0.00	0.00	0.00	5.78
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		4.10	8.73	0.00	13.40	4.52	16.28
?, RI is 842		0.00	4.91	0.00	6.35	0.00	6.42
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	5.18	0.00	6.32
(m+p)-Xylene		0.00	7.93	2.18	5.99	4.40	5.56
?, RI is 865		0.00	0.00	0.00	0.00	0.00	4.55
4-MC8		0.00	0.00	0.00	0.00	0.00	4.51
o-Xylene		0.00	5.04	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	6.24	0.00	7.84	0.00	9.53
SUM:		37995.9	8198.1	11769.9	8318.4	23831.5	8851.3

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (µl/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G6968/H 2310.00	G6968/O 2310.00	G6970/H 2340.00	G6970/O 2340.00	G6972/H 2370.00	G6972/O 2370.00
C1		6209.72	266.21	5598.27	225.10	5635.92	230.61
C2ene		0.00	47.69	0.00	42.02	0.00	48.55
C2		544.92	55.08	612.70	40.72	789.82	53.17
C3ene		2.70	25.10	4.81	19.57	6.74	24.20
C3		1905.09	828.68	2572.57	611.89	3296.53	818.17
i-C4		1194.28	1752.97	1703.69	1394.21	2040.21	1566.42
C4enes		0.00	5.47	0.00	0.00	0.00	5.32
n-C4		1088.59	2373.28	1755.11	2134.74	2312.12	2636.25
2,2-DMC3		3.62	10.07	5.60	9.10	6.93	10.42
i-C5		349.56	1773.18	553.03	1693.91	737.05	2011.18
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		205.83	1439.52	363.39	1534.53	542.36	1983.16
2,2-DMC4		3.16	26.48	6.16	32.24	10.92	51.80
Cyc5		23.94	83.67	37.79	80.52	49.93	101.59
2,3-DMC4		11.17	112.32	18.12	109.01	24.91	134.09
2-MC5		44.46	565.11	74.92	608.35	114.12	794.02
3-MC5		22.88	265.34	38.77	293.11	61.38	400.17
n-C6		42.10	641.52	69.96	755.89	137.49	1105.56
2,2-DMC5		0.00	13.24	0.00	16.64	2.96	29.99
MCyc5		47.88	315.27	79.04	327.34	109.29	429.82
2,4-DMC5		0.00	25.97	1.97	24.97	4.15	39.31
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	5.02
Benzene		2.70	5.06	2.86	0.00	4.62	4.75
3,3-DMC5		0.00	0.00	0.00	6.28	0.00	10.88
Cyc6		54.21	292.11	98.86	350.58	162.75	552.53
2-MC6		6.36	128.75	10.59	147.00	19.47	219.07
2,3-DMC5		3.20	55.55	5.12	58.59	7.98	78.25
1,1-DMCyc5		2.45	26.50	5.28	34.81	8.74	55.18
3-MC6		4.88	98.53	8.62	117.47	16.23	181.04
1c,3-DMCyc5		4.49	51.77	7.55	57.79	11.68	79.54
1t,3-DMCyc5		4.57	54.11	7.59	60.23	12.02	84.78
1t,2-DMCyc5		6.94	79.31	11.13	85.61	17.00	119.53
n-C7		10.37	233.34	15.11	286.26	41.92	470.63
MCyc6		43.41	373.48	74.59	438.09	122.44	659.41
1,1,3-TMCyc5		2.08	31.03	3.35	38.60	5.62	53.58
2,5-DMC6		1.63	25.23	2.87	27.93	4.65	44.62
2,4-DMC6		0.00	17.60	1.90	23.36	3.64	36.76
1t,2c,3-TMCyc5		0.00	19.48	1.84	21.09	2.86	28.88
Toluene		6.12	25.37	8.28	24.35	12.29	30.60
1,1,2-TMCyc5		0.00	5.52	0.00	10.26	0.00	15.95
2-MC7		2.93	52.08	4.02	58.24	10.39	106.69
4-MC7		0.00	5.62	0.00	8.33	0.00	14.50
?, RI is 772		0.00	0.00	0.00	0.00	0.00	6.11
3,4-DMC6		0.00	18.20	1.58	22.71	3.76	40.22
3-MC7		0.00	0.00	0.00	0.00	0.00	5.87
1c,3-DMCyc6		2.95	38.90	5.28	47.82	9.47	74.36
1t,4-DMCyc6		0.00	14.69	2.09	18.45	3.98	29.89
1c,4-DMCyc6		0.00	5.91	0.00	8.55	2.39	15.98
1t,2-DMCyc6		0.00	0.00	0.00	5.08	0.00	5.93
n-C8		5.04	88.01	7.40	107.85	20.36	182.03
?, RI is 807		0.00	6.59	0.00	8.28	2.00	13.10
?, RI is 821		0.00	0.00	0.00	0.00	0.00	4.49
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	6.36	0.00	11.51
EtCyc6		2.15	20.73	3.72	26.60	7.10	43.81
?, RI is 842		0.00	7.91	0.00	8.74	1.87	13.51
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	5.05	0.00	0.00	0.00	6.18
?, RI is 857		0.00	8.13	0.00	9.99	1.87	16.28
(m+p)-Xylene		1.76	8.35	2.86	9.03	4.01	13.16
?, RI is 865		0.00	5.56	0.00	6.92	0.00	12.42
4-MC8		0.00	5.47	0.00	6.79	2.07	11.33
o-Xylene		0.00	0.00	1.51	0.00	1.88	6.64
?, RI is 891		0.00	0.00	0.00	0.00	0.00	5.33
n-C9		0.00	12.67	0.00	17.01	5.20	30.32
SUM:		11868.1	12452.8	13789.9	12118.9	16413.1	15874.5

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (µl/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G6974/H 2400.00	G6974/O 2400.00	G6976/H 2430.00	G6976/O 2430.00	G6978/H 2460.00	G6978/O 2460.00
C1		5568.88	227.34	9780.94	262.31	5508.08	249.78
C2ene		0.00	50.26	0.00	61.72	0.00	54.37
C2		771.70	36.63	1678.77	58.68	1107.50	40.46
C3ene		6.79	22.87	8.42	29.85	11.56	23.14
C3		3412.02	572.31	6749.32	915.00	5563.85	506.07
i-C4		2068.24	1282.92	3640.73	1702.94	3888.73	1040.32
C4enes		0.00	0.00	0.00	11.85	0.00	5.35
n-C4		2628.17	2360.09	4556.17	3211.35	5098.19	2205.82
2,2-DMC3		6.70	8.95	13.03	11.52	15.76	7.62
i-C5		800.61	1901.08	1271.84	2356.65	1808.62	1913.46
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		630.01	1999.02	991.50	2510.79	1369.60	2159.04
2,2-DMC4		12.10	54.22	20.85	73.20	39.31	71.53
Cyc5		69.01	100.32	101.67	128.62	105.18	111.12
2,3-DMC4		24.90	128.77	38.58	150.34	62.73	136.32
2-MC5		120.72	801.12	184.53	940.49	338.55	892.35
3-MC5		67.05	415.33	103.15	501.78	191.18	490.54
n-C6		153.68	1172.26	217.73	1411.42	271.51	1391.05
2,2-DMC5		2.92	32.25	5.00	39.00	11.57	41.72
MCyc5		141.11	452.11	194.28	548.44	268.98	528.03
2,4-DMC5		3.67	42.05	6.72	49.87	13.89	50.35
2,2,3-TMC4		0.00	5.16	0.00	6.51	0.00	6.03
Benzene		8.87	0.00	16.28	6.54	12.05	5.80
3,3-DMC5		0.00	12.27	0.00	15.89	5.23	16.85
Cyc6		249.56	637.40	372.68	872.58	490.81	887.90
2-MC6		19.76	226.88	30.96	257.64	55.50	261.13
2,3-DMC5		8.07	78.24	11.79	88.59	23.59	85.31
1,1-DMCyc5		10.89	58.27	15.74	72.18	27.85	73.22
3-MC6		17.06	189.90	27.08	220.53	56.78	228.49
1c,3-DMCyc5		13.50	84.38	18.07	95.21	32.46	96.16
1t,3-DMCyc5		14.09	89.92	19.07	102.21	34.40	102.99
1t,2-DMCyc5		20.36	126.38	27.29	141.81	49.24	141.42
n-C7		44.99	503.18	60.16	591.10	78.62	622.11
MCyc6		161.91	747.27	223.80	913.63	378.56	978.30
1,1,3-TMCyc5		6.28	55.26	9.13	65.47	17.34	63.80
2,5-DMC6		5.66	45.95	8.37	52.74	16.80	55.60
2,4-DMC6		3.95	38.78	5.54	46.19	13.27	48.45
1t,2c,3-TMCyc5		2.96	29.53	4.50	32.20	9.40	32.45
Toluene		26.39	33.42	40.76	45.73	31.53	42.04
1,1,2-TMCyc5		0.00	16.31	0.00	17.46	4.81	15.78
2-MC7		10.79	111.60	16.04	126.37	18.04	123.32
4-MC7		0.00	15.96	0.00	18.93	3.80	18.06
?, RI is 772		0.00	6.52	0.00	8.29	0.00	7.59
3,4-DMC6		3.50	43.14	6.20	50.67	9.54	53.97
3-MC7		0.00	5.72	0.00	7.78	2.31	7.96
1c,3-DMCyc6		11.10	80.76	16.47	96.73	34.10	102.87
1t,4-DMCyc6		4.66	31.53	6.66	40.65	14.96	42.75
1c,4-DMCyc6		2.92	18.14	4.44	23.11	9.72	24.72
1t,2-DMCyc6		0.00	5.31	0.00	5.95	0.00	0.00
n-C8		22.60	194.86	30.50	228.25	41.82	239.78
?, RI is 807		0.00	14.06	3.66	17.09	7.37	19.82
?, RI is 821		0.00	0.00	0.00	4.94	0.00	5.74
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	11.91	0.00	13.71	2.90	14.23
EtCyc6		8.92	49.37	12.86	59.81	24.29	65.09
?, RI is 842		0.00	14.95	0.00	17.29	6.13	16.26
3,5-DMC7		0.00	0.00	0.00	4.80	0.00	0.00
E-Benzene		3.65	7.26	4.96	7.66	3.04	6.09
?, RI is 857		0.00	16.97	3.67	20.08	7.34	19.71
(m+p)-Xylene		8.75	14.10	12.27	20.69	9.87	19.26
?, RI is 865		0.00	12.38	0.00	15.27	0.00	16.34
4-MC8		0.00	12.08	3.79	14.81	4.68	16.91
o-Xylene		4.28	6.34	6.04	9.33	5.52	9.23
?, RI is 891		0.00	5.26	0.00	6.69	3.30	7.79
n-C9		5.63	30.34	7.48	38.22	6.60	42.57
SUM:		17189.4	15347.0	30589.5	19477.2	27228.3	16562.3

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS ($\mu\text{l}/\text{kg}$ dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G6980/H	G6980/O	G6982/H	G6982/O	G6984/H	G6984/O
		2490.00	2490.00	2520.00	2520.00	2550.00	2550.00
C1		4564.57	283.78	6134.20	266.19	12114.41	313.17
C2ene		0.00	61.00	0.00	56.82	0.00	59.18
C2		1056.89	59.37	1507.21	95.69	2670.21	105.09
C3ene		5.84	28.56	4.13	24.62	8.81	26.59
C3		4770.27	715.17	5050.50	1244.49	8414.32	1122.81
i-C4		3026.54	1267.29	2473.59	1911.85	4579.76	1720.68
C4enes		0.00	6.56	0.00	5.83	0.00	5.84
n-C4		4044.91	2636.98	2893.59	3383.97	5143.67	3072.88
2,2-DMC3		11.55	9.35	8.03	12.91	19.39	12.10
i-C5		1408.34	2252.79	829.44	2581.36	1653.20	2536.83
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		1119.80	2571.98	630.01	2695.87	1228.09	2660.09
2,2-DMC4		32.95	95.79	21.27	128.32	53.18	154.56
Cyc5		89.84	133.07	49.52	125.01	80.77	119.43
2,3-DMC4		47.95	167.31	25.69	189.36	57.23	206.17
2-MC5		260.50	1084.53	121.00	1084.40	258.17	1162.55
3-MC5		146.26	604.53	70.70	612.81	148.26	664.38
n-C6		219.64	1725.94	145.83	1730.80	331.31	1944.49
2,2-DMC5		8.86	53.22	4.35	62.05	11.13	77.49
MCyc5		214.47	635.65	101.81	560.57	182.37	593.06
2,4-DMC5		10.82	63.25	5.27	70.56	12.38	83.91
2,2,3-TMC4		0.00	7.81	0.00	10.06	2.07	12.72
Benzene		10.98	7.75	6.21	7.78	11.73	13.80
3,3-DMC5		4.05	22.71	2.02	26.88	5.15	35.32
Cyc6		412.82	1085.22	183.78	869.74	297.24	872.97
2-MC6		43.87	321.50	19.66	311.54	44.02	384.20
2,3-DMC5		16.50	103.56	6.77	93.29	14.32	110.05
1,1-DMCyc5		20.14	91.83	7.36	63.32	13.03	69.71
3-MC6		41.68	288.21	17.95	272.40	39.65	344.68
1c,3-DMCyc5		23.92	118.22	8.31	84.76	15.15	91.71
1t,3-DMCyc5		25.37	128.10	8.87	95.47	16.69	105.29
1t,2-DMCyc5		36.02	177.47	12.10	128.19	22.32	137.25
n-C7		37.43	790.97	37.20	785.05	97.35	1014.06
MCyc6		299.37	1236.31	119.95	997.68	217.79	1167.45
1,1,3-TMCyc5		13.18	81.66	3.88	48.37	6.76	47.65
2,5-DMC6		7.75	81.07	4.62	75.35	10.21	109.14
2,4-DMC6		9.60	65.20	2.83	42.14	5.22	50.85
1t,2c,3-TMCyc5		6.10	40.50	1.64	22.18	2.90	23.42
Toluene		27.43	53.90	17.23	60.20	32.26	69.30
1,1,2-TMCyc5		2.83	19.52	1.31	16.87	2.30	23.03
2-MC7		15.25	156.98	7.96	135.53	16.62	179.16
4-MC7		3.16	25.79	1.44	25.21	3.29	38.04
?, RI is 772		0.00	9.97	0.00	7.63	0.00	8.99
3,4-DMC6		8.46	69.69	4.17	71.57	9.35	102.98
3-MC7		0.00	10.86	0.00	8.74	0.00	12.50
1c,3-DMCyc6		25.81	139.59	7.95	94.15	14.36	115.00
1t,4-DMCyc6		10.76	60.11	3.59	44.06	7.05	54.12
1c,4-DMCyc6		7.06	34.34	2.12	21.08	3.74	24.76
1t,2-DMCyc6		0.00	5.94	0.00	0.00	0.00	0.00
n-C8		24.74	313.27	14.68	284.14	35.45	400.73
?, RI is 807		5.48	25.94	1.79	19.76	3.36	24.05
?, RI is 821		0.00	7.89	0.00	7.39	0.00	13.84
2,2-DMC7		0.00	5.36	0.00	6.07	0.00	10.00
2,4-DMC7		2.65	19.10	1.19	23.96	4.01	35.41
EtCyc6		18.95	87.03	6.51	62.48	11.35	83.81
?, RI is 842		4.31	23.99	1.16	13.65	2.04	19.84
3,5-DMC7		0.00	7.19	0.00	0.00	0.00	5.08
E-Benzene		0.00	9.74	1.76	8.68	2.95	8.93
?, RI is 857		5.35	29.08	1.62	18.71	2.40	23.66
(m+p)-Xylene		8.61	27.81	6.29	30.11	10.79	32.40
?, RI is 865		0.00	21.12	1.75	21.77	3.28	32.47
4-MC8		3.31	19.97	1.69	15.81	3.12	22.65
o-Xylene		4.02	11.71	2.51	11.34	4.14	11.27
?, RI is 891		0.00	11.15	0.00	6.86	0.00	10.96
n-C9		3.81	54.58	3.51	55.85	7.81	84.72
SUM:		22230.8	20365.8	20609.5	21849.3	37967.9	22679.2

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (µl/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G6986/H 2580.00	G6986/O 2580.00	G6988/H 2610.00	G6988/O 2610.00	G6990/H 2640.00	G6990/O 2640.00
C1		4027.01	293.09	8814.41	274.79	8195.57	309.37
C2ene		0.00	55.10	0.00	52.88	0.00	58.58
C2		1265.90	94.92	2269.11	74.47	2575.95	105.19
C3ene		8.56	24.94	8.84	23.10	4.32	28.46
C3		4936.48	1179.06	6260.33	710.55	6788.24	1030.03
i-C4		2908.21	1896.37	3331.54	1263.69	3379.77	1570.32
C4enes		0.00	5.36	0.00	4.98	0.00	11.79
n-C4		3229.07	3256.45	3900.69	2220.21	3669.67	2669.27
2,2-DMC3		12.38	14.22	12.15	10.87	13.84	12.03
i-C5		1082.65	2691.48	1352.83	2140.30	1258.44	2409.65
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		805.05	2735.32	1023.23	2210.76	886.09	2377.21
2,2-DMC4		37.66	174.23	51.28	160.36	46.92	176.75
Cyc5		45.11	114.77	68.86	84.42	66.39	98.72
2,3-DMC4		37.81	209.63	50.98	191.47	47.96	216.25
2-MC5		169.15	1143.45	221.74	1040.43	193.53	1118.36
3-MC5		98.39	656.77	135.84	596.35	115.00	646.81
n-C6		219.25	1879.33	273.93	1781.82	263.51	1888.50
2,2-DMC5		7.23	74.92	9.64	74.89	8.10	80.23
MCyc5		117.65	596.52	204.44	553.31	186.52	653.30
2,4-DMC5		7.43	78.51	9.90	77.42	8.31	86.24
2,2,3-TMC4		1.46	12.65	2.14	13.15	0.00	14.73
Benzene		4.20	8.40	8.27	5.86	15.99	7.98
3,3-DMC5		3.48	34.37	5.31	35.76	4.36	39.99
Cyc6		176.58	833.30	307.70	738.73	279.12	838.41
2-MC6		27.62	341.50	39.93	360.13	33.26	399.65
2,3-DMC5		8.98	95.56	12.85	97.04	10.44	108.56
1,1-DMCyc5		8.67	62.28	14.43	64.97	11.68	73.66
3-MC6		25.35	305.85	38.60	329.69	31.89	371.85
1c,3-DMCyc5		9.83	83.49	16.44	84.13	13.53	95.99
1t,3-DMCyc5		10.80	96.28	18.23	98.25	14.82	111.84
1t,2-DMCyc5		14.57	126.12	24.72	127.18	19.79	144.24
n-C7		57.57	885.86	63.91	962.68	82.37	1067.94
MCyc6		135.73	1083.62	262.45	1130.44	220.49	1294.71
1,1,3-TMCyc5		4.16	39.49	6.60	39.69	4.70	45.48
2,5-DMC6		6.09	87.18	9.79	103.89	8.12	121.13
2,4-DMC6		3.16	41.63	4.92	41.86	3.60	47.11
1t,2c,3-TMCyc5		1.56	18.18	2.51	18.79	0.00	19.75
Toluene		13.81	58.07	32.82	56.77	54.21	77.11
1,1,2-TMCyc5		1.35	17.73	2.47	19.68	0.00	22.16
2-MC7		9.10	138.40	13.51	156.47	11.84	177.76
4-MC7		1.95	30.41	3.68	36.40	2.85	46.80
?, RI is 772		0.00	6.60	0.00	8.07	0.00	9.48
3,4-DMC6		5.53	85.29	10.03	103.57	8.28	128.02
3-MC7		0.73	9.77	0.00	12.30	0.00	16.12
1c,3-DMCyc6		8.23	95.83	17.34	111.99	13.25	131.31
1t,4-DMCyc6		4.25	46.82	9.33	57.73	6.97	71.73
1c,4-DMCyc6		2.21	21.91	4.80	26.07	3.66	31.03
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	6.41
n-C8		17.53	314.24	23.39	378.00	33.58	458.35
?, RI is 807		1.86	21.53	4.24	23.42	3.46	29.05
?, RI is 821		0.00	10.89	0.00	12.88	0.00	15.35
2,2-DMC7		0.00	6.88	0.00	9.05	0.00	11.62
2,4-DMC7		1.76	23.61	1.92	27.48	0.00	32.91
EtCyc6		5.58	66.16	13.42	77.59	10.81	95.13
?, RI is 842		0.92	13.98	2.03	15.35	0.00	17.61
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		1.20	7.02	3.11	6.83	4.55	10.07
?, RI is 857		0.00	15.44	0.00	0.00	0.00	18.90
(m+p)-Xylene		4.50	28.38	13.71	31.08	22.80	48.95
?, RI is 865		1.35	23.26	2.71	29.54	3.00	42.49
4-MC8		1.27	17.02	2.97	22.72	2.79	29.41
o-Xylene		1.59	9.66	4.92	10.95	7.46	15.07
?, RI is 891		0.00	7.84	0.00	10.23	0.00	12.95
n-C9		2.59	59.43	4.29	76.27	8.92	104.48
SUM:		19602.1	22466.3	29009.2	19119.7	28660.7	22010.3

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (µl/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G6992/H 2670.00	G6992/O 2670.00	G6994/H 2700.00	G6994/O 2700.00	G6996/H 2730.00	G6996/O 2730.00
C1		8340.17	378.84	6565.03	382.24	5079.84	592.17
C2ene		0.00	65.37	0.00	60.26	0.00	50.50
C2		2756.43	123.63	2386.21	160.45	1687.68	197.88
C3ene		9.80	31.81	6.39	30.89	3.98	21.39
C3		6624.16	993.18	4851.32	1303.17	3282.05	1402.95
i-C4		3608.38	1504.97	2257.88	1727.51	1668.95	1879.22
C4enes		0.00	12.56	0.00	12.46	0.00	0.00
n-C4		3887.17	2591.39	2362.85	2860.11	1853.41	3011.66
2,2-DMC3		16.31	13.48	9.08	13.64	6.75	15.59
i-C5		1551.16	2630.46	867.47	2655.69	721.90	2887.80
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		1029.76	2489.44	543.42	2365.95	485.92	2522.04
2,2-DMC4		70.26	231.39	37.47	220.79	30.40	228.71
CyC5		68.97	97.07	42.33	96.91	40.24	102.12
2,3-DMC4		65.37	271.84	35.06	257.41	31.09	275.46
2-MC5		260.04	1342.42	129.94	1184.82	121.49	1310.68
3-MC5		153.21	775.04	78.60	689.22	72.75	744.98
n-C6		336.34	2183.48	160.97	1827.91	154.23	1950.22
2,2-DMC5		12.45	107.61	5.86	89.01	5.28	92.44
MCyC5		227.98	750.00	130.91	696.10	123.26	704.78
2,4-DMC5		12.71	112.70	5.95	94.89	5.75	100.07
2,2,3-TMC4		2.91	21.07	1.51	18.92	0.00	18.76
Benzene		18.71	8.62	14.11	9.79	12.52	10.81
3,3-DMC5		6.46	53.59	3.16	45.11	2.94	45.20
CyC6		317.59	892.54	178.68	791.26	178.60	801.33
2-MC6		49.58	521.47	23.47	422.44	22.94	451.14
2,3-DMC5		14.34	137.20	7.23	113.45	7.20	126.24
1,1-DMCyC5		15.37	92.04	8.25	80.08	8.86	88.72
3-MC6		45.89	485.47	22.18	394.95	22.02	414.86
1c,3-DMCyC5		17.43	117.34	9.08	98.81	9.91	109.87
1t,3-DMCyC5		19.66	138.13	9.96	115.77	10.74	126.51
1t,2-DMCyC5		26.01	173.41	12.84	145.28	14.22	160.93
n-C7		113.71	1306.05	52.01	1000.27	50.78	1036.08
MCyC6		276.36	1530.51	145.69	1263.29	151.58	1267.81
1,1,3-TMCyC5		6.16	51.58	2.86	36.55	3.75	53.75
2,5-DMC6		12.13	152.00	6.14	122.06	6.15	120.96
2,4-DMC6		4.50	56.33	2.05	42.14	2.48	49.54
1t,2c,3-TMCyC5		0.00	22.02	0.00	15.99	0.00	23.29
Toluene		73.44	95.67	45.33	77.08	40.55	62.19
1,1,2-TMCyC5		2.79	29.25	0.00	23.31	0.00	23.59
2-MC7		16.91	218.68	7.78	167.95	8.21	181.58
4-MC7		4.82	66.20	2.17	53.08	2.02	51.96
?, RI is 772		0.00	11.92	0.00	9.29	0.00	10.21
3,4-DMC6		13.03	173.18	6.11	137.95	5.95	132.58
3-MC7		0.00	21.28	0.00	16.98	0.00	17.02
1c,3-DMCyC6		17.03	155.72	8.13	119.29	9.63	130.02
1t,4-DMCyC6		9.29	85.30	4.36	65.62	4.96	69.11
1c,4-DMCyC6		5.04	38.06	2.47	29.44	3.05	32.35
1t,2-DMCyC6		0.00	6.98	0.00	4.60	0.00	5.23
n-C8		46.80	560.98	21.13	422.34	21.81	415.20
?, RI is 807		4.77	34.94	2.25	27.96	2.69	28.47
?, RI is 821		0.00	19.72	0.00	15.69	0.00	13.86
2,2-DMC7		0.00	15.18	0.00	12.38	0.00	11.47
2,4-DMC7		3.90	37.55	1.73	28.84	0.00	32.35
EtCyC6		14.65	115.06	6.52	86.43	7.48	85.54
?, RI is 842		0.00	22.27	0.00	16.18	0.00	19.99
3,5-DMC7		0.00	5.99	0.00	0.00	0.00	5.84
E-Benzene		5.74	13.46	2.67	9.75	2.96	6.51
?, RI is 857		0.00	21.62	0.00	15.66	0.00	20.68
(m+p)-Xylene		32.78	68.81	17.12	53.04	15.76	32.16
?, RI is 865		4.67	54.50	2.19	45.41	2.09	42.81
4-MC8		3.77	36.40	1.78	33.58	2.16	29.48
o-Xylene		9.54	19.19	4.74	16.00	4.45	6.11
?, RI is 891		0.00	15.80	0.00	11.98	0.00	11.15
n-C9		13.23	127.20	5.57	100.50	5.73	92.40
SUM:		30259.7	24537.0	21118.0	23045.9	16019.2	24566.3

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (μ l/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G6998/H 2760.00	G6998/O 2760.00	G7186/H 2790.00	G7186/O 2790.00	G7188/H 2820.00	G7188/O 2820.00
C1		13174.14	477.05	8109.52	421.97	8558.22	544.58
C2ene		0.00	73.69	0.00	44.03	0.00	60.42
C2		5521.49	277.58	3796.84	263.49	3804.54	249.48
C3ene		7.68	36.79	4.29	21.15	8.23	35.74
C3		9422.04	2308.41	6768.79	1755.27	6188.66	1411.03
i-C4		3906.66	3111.21	3201.68	1959.25	2992.40	1536.14
C4enes		0.00	14.66	0.00	4.52	0.00	14.96
n-C4		4025.92	4816.19	2841.60	2966.92	2671.70	2386.07
2,2-DMC3		17.72	29.59	16.85	17.72	17.70	14.69
i-C5		1619.52	5084.30	1271.59	2864.18	1321.18	2549.96
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		891.91	3888.83	600.29	1944.61	598.25	1750.45
2,2-DMC4		76.71	472.95	69.50	255.61	79.71	253.84
Cyc5		74.58	135.29	36.27	74.01	37.21	67.99
2,3-DMC4		74.50	541.20	66.77	303.76	77.04	325.41
2-MC5		241.08	2279.30	204.03	1140.24	227.63	1246.56
3-MC5		149.15	1288.84	119.19	644.91	134.61	708.32
n-C6		271.83	2961.80	180.73	1211.45	177.85	1301.26
2,2-DMC5		11.05	179.17	11.03	84.62	13.75	112.33
MCyc5		240.11	1058.74	130.42	493.19	136.91	509.96
2,4-DMC5		13.00	193.98	12.67	99.90	15.31	139.01
2,2,3-TMC4		3.51	41.52	3.77	24.27	4.97	33.25
Benzene		36.30	16.23	10.83	6.88	13.02	10.34
3,3-DMC5		6.50	86.36	5.72	40.33	6.94	53.38
Cyc6		299.51	1029.01	142.75	480.04	150.96	498.30
2-MC6		47.01	794.33	39.77	349.13	46.29	493.62
2,3-DMC5		14.05	212.35	13.10	104.40	16.38	150.84
1,1-DMCyc5		16.49	137.50	10.64	58.95	11.61	68.22
3-MC6		44.95	729.11	37.00	318.57	43.36	452.47
1c,3-DMCyc5		17.43	158.85	10.70	64.17	11.26	76.24
1t,3-DMCyc5		19.32	190.04	12.52	78.28	13.47	97.93
1t,2-DMCyc5		24.35	225.84	15.49	89.98	16.45	109.77
n-C7		94.57	1537.24	57.18	520.05	53.53	688.97
MCyc6		262.65	1776.26	145.94	741.26	157.50	936.19
1,1,3-TMCyc5		5.00	55.08	2.37	19.05	2.64	21.83
2,5-DMC6		11.75	195.57	7.46	81.33	10.06	139.07
2,4-DMC6		3.93	64.61	2.68	22.78	3.11	33.96
1t,2c,3-TMCyc5		0.00	22.06	0.84	6.39	0.00	8.46
Toluene		132.17	108.81	32.45	31.43	41.90	66.63
1,1,2-TMCyc5		0.00	38.51	1.81	15.74	2.29	28.00
2-MC7		16.08	264.67	11.49	98.99	12.33	170.34
4-MC7		5.22	92.82	3.83	35.26	4.71	62.72
?, RI is 772		0.00	14.91	0.00	5.90	0.00	10.60
3,4-DMC6		13.88	232.90	10.45	89.02	12.17	158.80
3-MC7		0.00	30.00	1.18	11.33	1.40	17.80
1c,3-DMCyc6		15.24	161.68	7.94	51.57	8.29	73.34
1t,4-DMCyc6		8.04	90.01	4.37	27.97	4.61	39.21
1c,4-DMCyc6		4.72	46.94	2.52	14.90	2.80	20.76
1t,2-DMCyc6		0.00	6.23	0.00	0.00	0.00	0.00
n-C8		42.18	569.10	21.50	170.86	21.39	276.79
?, RI is 807		4.22	39.50	2.13	11.52	2.31	17.64
?, RI is 821		0.00	20.59	0.00	6.54	0.00	13.05
2,2-DMC7		0.00	18.21	0.00	6.23	0.00	12.53
2,4-DMC7		3.13	37.94	1.68	11.68	1.99	21.73
EtCyc6		10.99	107.14	5.37	33.51	5.89	56.83
?, RI is 842		0.00	21.30	0.00	5.85	0.00	10.85
3,5-DMC7		0.00	5.58	0.00	0.00	0.00	0.00
E-Benzene		6.63	7.99	1.40	0.00	2.07	0.00
?, RI is 857		0.00	18.37	0.00	5.18	0.00	10.06
(m+p)-Xylene		51.99	61.44	11.80	13.48	17.80	36.99
?, RI is 865		5.26	64.63	3.22	23.24	3.94	55.65
4-MC8		4.01	46.95	2.89	15.69	3.59	37.46
o-Xylene		11.89	11.16	2.80	0.00	4.10	6.30
?, RI is 891		0.00	13.93	0.00	0.00	0.00	5.42
n-C9		12.96	120.27	5.40	32.15	6.51	68.73
SUM:		40995.0	38753.1	28095.1	20294.7	27782.5	20369.3

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS ($\mu\text{l}/\text{kg}$ dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G7190/H 2850.00	G7190/O 2850.00	G7191/H 2865.00	G7191/O 2865.00	G7192/H 2880.00	G7192/O 2880.00
C1		8848.61	450.58	11816.23	590.75	10381.30	693.43
C2ene		0.00	32.18	0.00	45.92	0.00	59.74
C2		4036.45	584.67	6355.37	510.53	4464.08	500.07
C3ene		4.13	21.84	5.33	23.28	5.19	34.43
C3		5514.02	3443.34	9219.67	2774.82	5857.78	2645.41
i-C4		2350.66	3423.76	4089.98	2623.19	2615.69	2464.76
C4enes		0.00	8.38	0.00	0.00	0.00	14.13
n-C4		1949.37	4611.84	3267.28	3520.39	2029.65	3375.97
2,2-DMC3		13.42	33.43	24.88	25.78	17.52	24.01
i-C5		950.60	4553.92	1671.21	3601.61	1085.64	3401.55
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		403.65	2676.98	682.21	2120.63	414.52	1932.48
2,2-DMC4		55.78	420.92	106.19	361.68	77.36	345.76
CyC5		22.05	90.50	37.59	77.40	26.26	71.83
2,3-DMC4		52.18	472.16	94.19	409.23	63.55	377.65
2-MC5		156.38	1700.07	282.53	1495.38	181.53	1347.85
3-MC5		91.14	952.97	164.14	844.33	106.98	765.38
n-C6		119.15	1528.17	202.55	1350.67	122.59	1116.27
2,2-DMC5		8.97	131.96	17.83	130.00	12.62	120.74
MCyC5		79.37	568.23	133.09	494.81	89.91	435.32
2,4-DMC5		9.93	151.97	19.35	145.66	13.05	134.97
2,2,3-TMC4		3.14	39.67	6.12	38.16	4.55	36.77
Benzene		8.48	14.26	18.55	25.79	20.70	31.18
3,3-DMC5		4.48	61.30	8.85	60.49	6.30	56.58
CyC6		83.45	531.36	144.36	472.31	105.64	426.39
2-MC6		30.30	499.01	58.30	501.23	37.44	431.56
2,3-DMC5		10.33	149.76	19.77	147.93	13.67	139.49
1,1-DMCyC5		7.20	75.17	12.65	67.02	7.62	53.47
3-MC6		28.67	453.44	55.11	454.05	34.87	395.57
1c,3-DMCyC5		6.62	74.11	11.33	66.64	7.03	54.61
1t,3-DMCyC5		7.94	95.85	14.08	88.53	8.88	73.99
1t,2-DMCyC5		9.20	106.03	16.13	94.04	9.93	77.53
n-C7		35.14	611.46	61.87	596.09	39.46	458.26
MCyC6		87.56	820.35	153.69	775.03	108.24	681.49
1,1,3-TMCyC5		1.45	20.07	2.85	18.22	1.55	14.15
2,5-DMC6		7.05	111.81	14.24	117.97	9.76	106.47
2,4-DMC6		1.81	28.83	3.40	28.38	2.03	25.17
1t,2c,3-TMCyC5		0.00	7.07	0.00	5.85	0.00	0.00
Toluene		26.05	63.57	55.56	148.70	59.50	150.40
1,1,2-TMCyC5		1.37	22.18	3.03	23.57	1.93	22.11
2-MC7		7.89	132.97	15.59	140.58	10.83	120.82
4-MC7		2.86	47.72	6.12	52.43	3.65	44.87
?, RI is 772		0.00	8.40	1.07	8.79	0.00	8.27
3,4-DMC6		7.49	121.81	15.41	131.53	9.95	114.33
3-MC7		0.93	15.25	1.84	15.31	0.00	12.95
1c,3-DMCyC6		4.33	50.49	7.61	47.81	4.87	39.88
1t,4-DMCyC6		2.41	27.82	4.21	25.66	2.61	21.15
1c,4-DMCyC6		1.59	18.00	2.91	16.12	1.67	12.70
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		11.92	189.08	22.75	196.53	16.15	153.75
?, RI is 807		1.17	11.86	2.06	11.13	0.00	9.34
?, RI is 821		0.00	8.32	1.11	9.84	0.00	7.43
2,2-DMC7		0.00	7.99	1.11	9.00	0.00	7.22
2,4-DMC7		0.93	14.40	1.86	15.13	0.00	10.98
EtCyC6		3.03	37.71	6.00	38.56	3.76	30.68
?, RI is 842		0.00	6.99	0.00	6.68	0.00	5.08
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		1.05	0.00	1.91	6.50	1.83	5.29
?, RI is 857		0.00	6.16	0.91	5.97	0.00	5.10
(m+p)-Xylene		10.43	25.26	19.98	67.35	19.78	57.20
?, RI is 865		2.18	33.26	4.64	37.79	3.40	34.03
4-MC8		1.88	22.86	4.16	25.79	3.22	24.74
o-Xylene		2.12	4.07	3.98	12.94	3.84	10.69
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		2.93	35.44	6.06	43.03	5.04	34.68
SUM:		25091.2	30469.0	38980.8	25800.5	28134.9	23868.1

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS ($\mu\text{l/kg}$ dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G7193/H 2895.00	G7193/O 2895.00	G7194/H 2910.00	G7194/O 2910.00	G7196/H 2940.00	G7196/O 2940.00
C1		14333.01	679.16	12484.43	755.32	13530.82	348.95
C2ene		0.00	45.01	0.00	61.65	0.00	23.56
C2		6745.15	562.73	5928.97	691.51	4124.23	434.77
C3ene		10.55	22.46	11.17	39.97	8.62	17.94
C3		8255.52	2917.66	6716.58	3335.88	3461.50	2290.30
i-C4		3570.58	2704.40	2738.60	2806.71	1129.62	1805.45
C4enes		0.00	0.00	0.00	16.44	0.00	0.00
n-C4		2605.61	3312.01	1836.85	3059.16	578.05	1426.76
2,2-DMC3		25.39	28.48	21.24	29.70	10.62	23.84
i-C5		1404.79	3363.14	1011.85	2880.53	263.90	1142.59
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		514.66	1760.70	344.11	1382.89	74.88	407.85
2,2-DMC4		105.07	364.16	87.19	314.18	32.26	176.28
CyC5		34.41	58.70	25.61	47.27	7.54	16.65
2,3-DMC4		87.80	375.33	65.12	299.37	14.92	90.75
2-MC5		241.20	1304.80	173.10	997.77	36.41	246.71
3-MC5		144.87	733.36	106.24	558.22	22.54	142.63
n-C6		154.38	973.10	100.37	650.06	13.94	108.27
2,2-DMC5		18.27	128.61	15.03	101.64	4.13	29.55
MCyC5		111.10	335.41	77.90	235.84	17.38	56.74
2,4-DMC5		19.21	138.96	14.41	104.96	2.80	21.12
2,2,3-TMC4		7.12	40.72	6.00	33.02	0.00	9.82
Benzene		28.18	20.38	37.16	24.95	11.32	19.43
3,3-DMC5		9.34	56.95	8.04	45.87	2.39	15.06
CyC6		133.60	324.03	100.42	233.47	24.52	63.04
2-MC6		54.47	420.80	39.64	285.84	7.62	43.34
2,3-DMC5		19.82	134.42	15.77	99.42	3.54	21.17
1,1-DMCyC5		9.36	40.95	6.16	25.90	0.00	0.00
3-MC6		51.33	377.52	37.67	256.64	7.28	40.39
1c,3-DMCyC5		8.29	39.36	5.60	24.44	0.00	0.00
1t,3-DMCyC5		11.22	59.01	7.89	38.56	0.00	5.92
1t,2-DMCyC5		12.16	56.71	8.29	36.28	0.00	4.90
n-C7		51.03	391.23	32.97	229.12	3.71	22.19
MCyC6		129.78	489.73	95.28	324.71	19.97	59.37
1,1,3-TMCyC5		1.52	9.53	0.00	5.63	0.00	0.00
2,5-DMC6		14.82	103.86	11.39	74.11	0.00	11.10
2,4-DMC6		3.25	21.90	2.44	15.98	0.00	0.00
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		73.78	72.92	86.08	66.74	16.52	37.14
1,1,2-TMCyC5		3.10	20.74	2.56	14.68	0.00	0.00
2-MC7		16.90	113.69	12.28	73.34	0.00	7.51
4-MC7		5.79	41.13	4.20	27.27	0.00	0.00
?, RI is 772		0.00	7.83	0.00	5.69	0.00	0.00
3,4-DMC6		16.08	105.41	11.79	69.26	2.29	7.17
3-MC7		1.69	12.93	0.00	8.00	0.00	0.00
1c,3-DMCyC6		5.59	25.21	3.84	15.80	0.00	0.00
1t,4-DMCyC6		2.78	13.02	0.00	8.10	0.00	0.00
1c,4-DMCyC6		2.06	8.16	0.00	4.99	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		20.82	122.47	13.65	70.82	2.19	6.39
?, RI is 807		0.00	5.86	0.00	0.00	0.00	0.00
?, RI is 821		0.00	6.97	0.00	4.97	0.00	0.00
2,2-DMC7		0.00	7.04	0.00	5.00	0.00	0.00
2,4-DMC7		1.89	10.28	0.00	6.95	0.00	0.00
EtCyC6		6.05	26.26	4.09	18.08	0.00	0.00
?, RI is 842		0.00	4.61	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		2.13	0.00	2.23	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		21.37	19.80	22.71	17.56	3.44	7.87
?, RI is 865		6.53	30.20	4.24	22.12	0.00	0.00
4-MC8		5.18	19.16	3.79	14.42	0.00	0.00
o-Xylene		3.98	0.00	4.69	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		6.15	23.99	4.28	16.37	0.00	0.00
SUM:		39128.7	23093.0	32354.0	20593.2	23439.0	9192.5

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS ($\mu\text{l}/\text{kg}$ dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G7197/H 2955.00	G7197/O 2955.00	G7198/H 2970.00	G7198/O 2970.00	G7199/H 2985.00	G7199/O 2985.00
C1		9027.48	1348.15	9948.69	485.87	480.89	4187.06
C2ene		2.22	147.12	3.19	19.16	0.00	7.52
C2		3163.42	582.23	2308.78	452.15	119.73	55.23
C3ene		5.93	107.32	6.77	15.83	0.00	0.00
C3		2415.22	3326.82	1655.48	1939.17	379.04	85.18
i-C4		710.37	3022.03	500.20	998.13	345.38	206.20
C4enes		0.00	40.10	0.00	0.00	0.00	0.00
n-C4		349.79	2292.21	286.93	1085.72	286.32	269.76
2,2-DMC3		6.56	50.74	4.35	7.58	0.00	0.00
i-C5		147.77	1908.52	119.12	517.26	143.57	392.86
C5enes		0.00	4.88	0.00	0.00	0.00	0.00
n-C5		42.29	678.96	37.62	250.69	79.86	318.28
2,2-DMC4		19.07	346.33	14.74	58.28	0.00	22.68
Cyc5		4.51	24.96	5.17	13.63	7.61	12.46
2,3-DMC4		7.85	152.81	6.21	32.51	6.56	43.14
2-MC5		18.93	407.52	14.08	97.33	24.63	216.72
3-MC5		12.30	233.23	9.57	57.58	14.09	110.06
n-C6		7.84	179.10	9.66	53.85	25.48	286.79
2,2-DMC5		2.03	52.89	0.00	11.94	0.00	12.63
MCyc5		9.57	86.48	13.04	40.85	22.81	107.24
2,4-DMC5		0.00	36.60	0.00	8.24	0.00	0.00
2,2,3-TMC4		1.46	17.29	0.00	0.00	0.00	16.88
Benzene		7.16	10.56	9.38	18.96	0.00	0.00
3,3-DMC5		1.24	27.41	0.00	7.10	0.00	6.02
Cyc6		14.36	91.99	22.23	51.45	29.06	115.17
2-MC6		3.84	67.26	3.23	18.20	4.91	90.26
2,3-DMC5		1.87	34.22	0.00	9.38	0.00	31.10
1,1-DMCyc5		0.00	6.93	0.00	0.00	0.00	12.82
3-MC6		3.62	62.74	2.87	17.60	0.00	76.90
1c,3-DMCyc5		0.00	5.49	0.00	0.00	0.00	24.00
1t,3-DMCyc5		0.00	9.70	0.00	0.00	0.00	26.71
1t,2-DMCyc5		0.00	9.60	0.00	0.00	0.00	36.17
n-C7		1.93	31.95	3.81	10.91	8.76	203.22
MCyc6		11.02	80.59	17.65	46.53	31.53	262.18
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	13.22
2,5-DMC6		0.00	16.93	0.00	0.00	0.00	23.04
2,4-DMC6		0.00	4.47	0.00	0.00	0.00	14.21
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	10.43
Toluene		9.82	20.18	13.50	26.09	4.74	22.53
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	7.12
2-MC7		0.00	10.83	0.00	0.00	0.00	57.42
4-MC7		0.00	0.00	0.00	0.00	0.00	10.94
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	9.97	0.00	0.00	0.00	30.24
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	38.60
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	16.58
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	6.48
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		1.24	8.11	2.92	0.00	0.00	114.87
?, RI is 807		0.00	0.00	0.00	0.00	0.00	7.67
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	9.36
EtCyc6		0.00	0.00	0.00	0.00	0.00	26.15
?, RI is 842		0.00	0.00	0.00	0.00	0.00	9.19
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	9.42
(m+p)-Xylene		2.18	6.27	2.50	0.00	0.00	14.91
?, RI is 865		0.00	0.00	0.00	0.00	0.00	13.00
4-MC8		0.00	0.00	0.00	0.00	0.00	10.08
o-Xylene		0.00	0.00	0.00	0.00	0.00	5.56
?, RI is 891		0.00	0.00	0.00	0.00	0.00	4.54
n-C9		0.00	0.00	0.00	0.00	0.00	31.14
SUM:		16012.9	15561.5	15021.7	6352.0	2015.0	7741.9

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS ($\mu\text{l}/\text{kg}$ dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G7200/H	G7200/O	G7202/H	G7202/O	G7203/H	G7203/O
		3000.00	3000.00	3030.00	3030.00	3045.00	3045.00
C1		3184.25	2298.68	24206.55	1664.87	9647.21	1267.22
C2ene		0.00	13.51	0.00	7.34	0.00	13.12
C2		430.80	125.14	2126.27	326.91	1124.48	257.66
C3ene		8.36	9.99	4.23	0.00	0.00	11.77
C3		449.54	233.07	997.08	390.64	445.47	295.79
i-C4		212.03	103.54	400.53	148.12	160.16	129.43
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		162.15	200.96	299.61	153.18	103.30	107.29
2,2-DMC3		3.00	0.00	11.34	4.65	5.64	5.55
i-C5		88.16	89.80	170.07	116.70	53.13	84.52
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		37.95	81.99	63.69	50.28	16.99	28.16
2,2-DMC4		7.61	8.02	25.94	27.34	12.41	23.72
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		5.30	7.38	11.68	14.14	4.46	9.61
2-MC5		15.89	32.36	34.79	49.12	10.48	26.63
3-MC5		9.86	18.37	20.61	28.37	6.38	16.20
n-C6		12.49	38.94	21.00	29.62	4.72	12.33
2,2-DMC5		0.00	0.00	4.60	10.55	0.00	7.08
MCyc5		8.70	12.68	12.92	13.15	4.45	6.75
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	8.39	0.00	4.95
Benzene		3.17	0.00	0.00	5.17	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	6.14	0.00	0.00
Cyc6		13.62	16.89	16.47	17.43	6.53	11.17
2-MC6		3.46	11.01	10.15	21.67	0.00	9.40
2,3-DMC5		0.00	0.00	4.81	10.21	0.00	5.40
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		3.04	9.84	8.89	20.09	0.00	9.10
1c,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		4.40	13.06	8.38	15.88	0.00	4.86
MCyc6		12.61	29.10	24.45	42.49	9.90	20.68
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	12.31	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	4.79	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		3.76	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	10.70	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	3.77	8.34	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	4.91	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	5.41	4.65	8.94	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	5.63	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		4680.2	3359.7	28492.5	3238.1	11615.7	2368.4

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (µl/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G7204/H 3060.00	G7204/O 3060.00	G7206/H 3090.00	G7206/O 3090.00	G7209/H 3135.00	G7209/O 3135.00
C1		4841.86	1676.44	237.91	630.25	11895.92	2826.13
C2ene		0.00	7.83	1.05	6.04	28.14	68.84
C2		621.69	143.22	46.18	25.07	2749.43	282.41
C3ene		0.00	4.73	2.38	0.00	190.38	83.39
C3		398.80	256.66	90.57	85.82	550.08	162.68
i-C4		158.28	114.29	71.69	111.70	78.22	20.26
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		87.30	145.72	45.48	154.08	35.31	30.76
2,2-DMC3		2.82	0.00	0.47	0.00	0.00	0.00
i-C5		46.76	100.45	21.74	136.30	0.00	28.58
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		13.53	61.54	9.33	102.49	0.00	16.30
2,2-DMC4		6.33	14.80	0.97	7.30	0.00	0.00
CyC5		0.00	0.00	0.51	4.91	0.00	0.00
2,3-DMC4		2.73	10.75	0.88	12.79	0.00	0.00
2-MC5		7.22	45.95	3.11	61.04	0.00	0.00
3-MC5		4.48	25.66	1.62	30.72	0.00	0.00
n-C6		3.96	46.60	2.65	76.10	0.00	13.27
2,2-DMC5		0.00	6.71	0.00	0.00	0.00	0.00
MCyC5		3.50	18.76	1.50	34.50	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	5.40	0.00	4.64	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		5.57	26.91	1.68	35.44	0.00	0.00
2-MC6		0.00	25.09	0.61	26.96	0.00	0.00
2,3-DMC5		0.00	9.16	0.00	9.21	0.00	0.00
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	22.32	0.54	22.61	0.00	0.00
1c,3-DMCyC5		0.00	0.00	0.00	6.89	0.00	0.00
1t,3-DMCyC5		0.00	5.84	0.00	7.79	0.00	0.00
1t,2-DMCyC5		0.00	7.15	0.00	10.33	0.00	0.00
n-C7		0.00	37.22	0.92	54.64	0.00	0.00
MCyC6		6.38	62.60	1.73	77.79	0.00	15.43
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	12.11	0.00	4.43	0.00	0.00
2,4-DMC6		0.00	4.76	0.00	0.00	0.00	0.00
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	5.79	0.35	7.06	0.00	0.00
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	17.83	0.00	17.18	0.00	0.00
4-MC7		0.00	4.49	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	13.05	0.00	10.15	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC6		0.00	8.77	0.00	10.69	0.00	0.00
1t,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	25.43	0.40	32.46	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6		0.00	10.54	0.00	8.74	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	4.46	0.00	0.00
?, RI is 865		0.00	8.45	0.00	4.88	0.00	0.00
4-MC8		0.00	6.75	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	8.26	0.00	8.76	0.00	0.00
SUM:		6211.2	3008.0	544.2	1844.2	15527.5	3548.1

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS ($\mu\text{l/kg}$ dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G7211/H 3165.00	G7211/O 3165.00	G7212/H 3180.00	G7212/O 3180.00	G7213/H 3195.00	G7213/O 3195.00
C1		8546.93	971.52	4092.30	3152.15	3800.74	1772.77
C2ene		20.97	16.70	2.96	24.59	2.29	14.61
C2		1234.85	147.12	395.22	310.84	304.10	303.30
C3ene		86.90	35.98	16.86	49.01	7.85	18.75
C3		211.59	77.65	29.46	94.60	18.58	131.48
i-C4		42.99	22.51	3.39	25.06	2.46	82.35
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		19.37	24.19	0.00	22.11	0.00	63.57
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	35.14	0.00	28.23	0.00	89.15
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	14.01	0.00	8.49	0.00	31.49
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	7.93
CyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	9.96
2-MC5		0.00	14.57	0.00	12.27	0.00	36.36
3-MC5		0.00	7.69	0.00	7.18	0.00	18.97
n-C6		0.00	7.22	0.00	5.05	0.00	18.29
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyC5		0.00	5.17	0.00	0.00	0.00	12.22
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.00	7.88	0.00	5.43	0.00	17.07
2-MC6		0.00	0.00	0.00	0.00	0.00	10.20
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	6.00
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	8.79
1c,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC5		0.00	0.00	0.00	0.00	0.00	5.17
n-C7		0.00	0.00	0.00	0.00	0.00	8.14
MCyC6		0.00	16.36	0.00	13.24	0.00	38.53
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	4.80
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC6		0.00	0.00	0.00	0.00	0.00	5.00
1t,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	6.01
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		10163.6	1403.7	4540.2	3758.2	4136.0	2720.9

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS ($\mu\text{l/kg}$ dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G7216/H 3240.00	G7216/O 3240.00	G7218/H 3270.00	G7218/O 3270.00	G7220/H 3300.00	G7220/O 3300.00
C1		1517.05	2661.98	1281.59	2894.50	1515.62	3872.27
C2ene		0.00	10.70	0.90	10.08	0.61	15.45
C2		54.93	180.78	43.19	217.41	42.06	333.55
C3ene		1.12	7.18	2.11	8.78	1.55	23.11
C3		19.18	78.36	12.32	90.96	4.02	97.66
i-C4		16.51	36.85	8.36	50.56	1.68	45.85
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		6.04	32.19	2.42	33.26	0.00	22.50
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		7.61	24.60	3.23	27.60	0.00	18.25
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		2.10	15.06	0.50	10.21	0.00	4.26
2,2-DMC4		0.76	0.00	0.53	0.00	0.00	0.00
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		1.66	9.10	0.53	7.59	0.00	0.00
3-MC5		0.91	5.20	0.00	4.50	0.00	0.00
n-C6		1.05	11.92	0.00	4.83	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	4.84	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	7.03	0.00	0.00	0.00	0.00
MCyc6		0.89	8.02	0.50	0.00	0.00	0.00
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	4.84	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		1629.8	3098.7	1356.2	3360.3	1565.5	4432.9

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (μ l/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G7222/H 3330.00	G7222/O 3330.00	G7224/H 3360.00	G7224/O 3360.00	G7226/H 3390.00	G7226/O 3390.00
C1		2989.34	4066.91	1363.47	1864.44	134.70	907.54
C2ene		0.48	13.20	0.00	18.35	0.00	24.78
C2		72.32	309.83	48.85	186.81	7.47	104.60
C3ene		0.71	13.18	0.57	15.80	0.00	32.30
C3		4.84	72.54	3.70	47.07	0.69	32.01
i-C4		1.05	23.97	0.62	9.86	0.00	4.51
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		0.00	12.38	0.00	9.02	0.00	6.88
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	8.01	0.00	0.00	0.00	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	4.71	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		3068.7	4520.0	1417.2	2156.1	142.8	1112.6

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS ($\mu\text{l}/\text{kg}$ dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G7228/H 3420.00	G7228/O 3420.00	G7231/H 3465.00	G7231/O 3465.00	G7232/H 3480.00	G7232/O 3480.00
C1		964.54	820.61	777.65	665.85	607.04	789.72
C2ene		0.00	14.25	0.00	10.90	0.83	22.71
C2		96.29	75.43	0.00	82.73	39.59	113.07
C3ene		2.03	10.13	0.00	24.78	1.80	27.27
C3		11.59	30.31	0.00	40.91	4.13	41.63
i-C4		2.59	4.57	0.00	5.54	0.65	4.81
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		0.00	6.07	0.00	6.69	0.00	6.32
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	0.00	0.00	0.00	0.00	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		1077.0	961.4	777.7	837.4	654.0	1005.5

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS ($\mu\text{l}/\text{kg}$ dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G7234/H	G7234/O	G7236/H	G7236/O	G7237/H	G7237/O
		3510.00	3510.00	3540.00	3540.00	3555.00	3555.00
C1		932.06	967.98	547.83	1048.31	295.29	1250.12
C2ene		0.54	22.88	0.00	33.57	0.99	11.51
C2		66.45	129.36	32.35	130.82	7.25	62.69
C3ene		2.61	27.13	1.19	29.42	1.13	17.58
C3		9.24	58.06	2.68	41.85	0.94	21.32
i-C4		1.73	6.65	0.00	0.00	0.00	6.00
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		0.69	7.87	0.00	5.12	0.00	5.88
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	0.00	0.00	0.00	0.00	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		1013.3	1219.9	584.1	1289.1	305.6	1375.1

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (μ l/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G7238/H 3570.00	G7238/O 3570.00	G7240/H 3600.00	G7240/O 3600.00	G7242/H 3630.00	G7242/O 3630.00
C1		486.13	105.52	538.10	1773.84	969.61	1363.00
C2ene		2.76	0.00	0.75	36.35	0.96	30.63
C2		15.49	7.41	20.18	144.69	49.17	144.03
C3ene		2.15	0.00	1.28	34.12	1.87	23.20
C3		1.82	0.00	1.91	43.32	7.40	40.90
i-C4		0.40	0.00	0.41	11.82	2.68	11.53
C4enes		0.00	0.00	0.00	5.74	0.00	8.96
n-C4		0.00	0.00	0.00	9.57	0.92	10.93
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	0.00	0.00	5.51	0.98	6.54
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
CyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
ETCyC6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		508.8	112.9	562.6	2065.0	1033.6	1639.7

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS ($\mu\text{l}/\text{kg}$ dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G7244/H	G7244/O	G7246/H	G7246/O	G7248/H	G7248/O
		3660.00	3660.00	3690.00	3690.00	3720.00	3720.00
C1		496.83	1299.91	694.65	1137.85	768.44	948.57
C2ene		0.11	12.63	0.66	24.79	3.09	26.41
C2		20.28	130.09	29.99	102.55	33.93	92.14
C3ene		0.30	15.44	1.22	24.28	1.60	23.33
C3		2.09	31.95	2.25	35.05	2.52	28.18
i-C4		0.96	7.12	0.68	8.72	0.70	5.63
C4enes		0.16	0.00	0.00	4.79	0.49	4.99
n-C4		0.26	8.72	0.00	8.94	0.00	6.12
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.31	0.00	0.00	7.98	0.00	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	4.89	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	5.65	0.00	0.00	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		521.3	1516.4	729.5	1354.9	810.8	1135.4

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (µl/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G7250/H 3750.00	G7250/O 3750.00	G7252/H 3780.00	G7252/O 3780.00	G7255/H 3825.00	G7255/O 3825.00
C1		895.93	1356.09	465.02	778.60	350.99	986.66
C2ene		0.83	27.39	13.86	30.67	0.73	10.21
C2		44.84	125.18	1.71	66.06	23.83	72.48
C3ene		2.22	26.90	23.74	21.33	1.10	12.19
C3		4.54	43.45	1.33	23.07	4.61	29.53
i-C4		0.75	7.68	4.17	0.00	1.66	5.75
C4enes		1.62	12.19	1.43	10.53	0.93	5.14
n-C4		0.00	6.79	0.00	4.93	0.54	7.69
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	0.00	0.00	0.00	0.39	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		950.7	1605.7	511.3	935.2	384.8	1129.6

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS ($\mu\text{l/kg}$ dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G7257/H 3855.00	G7257/O 3855.00	G7258/H 3870.00	G7258/O 3870.00	G7261/H 3915.00	G7261/O 3915.00
C1		587.95	759.35	671.41	658.50	291.34	797.92
C2ene		0.44	15.88	0.88	24.33	0.64	24.45
C2		29.91	89.97	31.72	82.36	11.91	58.05
C3ene		0.91	11.80	1.34	18.04	0.59	16.83
C3		2.90	28.11	4.34	31.04	0.90	15.51
i-C4		0.88	5.30	0.84	0.00	0.00	0.00
C4enes		0.47	5.35	0.65	5.32	0.00	5.31
n-C4		0.00	0.00	0.00	4.56	0.00	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	0.00	0.00	0.00	0.00	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		623.5	915.8	711.2	824.1	305.4	918.1

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (μ l/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G7262/H	G7262/O	G7264/H	G7264/O	G7266/H	G7266/O
		3930.00	3930.00	3960.00	3960.00	3990.00	3990.00
C1		254.32	769.96	99.39	642.29	263.24	949.47
C2ene		0.68	24.06	1.01	0.00	0.82	28.53
C2		11.22	58.95	6.57	23.26	7.52	52.32
C3ene		0.76	17.90	1.58	8.10	0.56	19.04
C3		0.95	15.68	1.50	11.34	0.64	18.96
i-C4		0.36	0.00	0.81	0.00	0.38	5.34
C4enes		0.52	9.16	0.66	0.00	0.25	10.71
n-C4		0.00	0.00	0.00	0.00	0.00	5.47
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	0.00	0.30	0.00	0.00	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		268.8	895.7	111.8	685.0	273.4	1089.9

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

YIELD OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (μ l/kg dry sediment)

COMPOUND	SAMPLE-ID	G7268/H	G7268/O
	DEPTH (m)	4020.00	4020.00
C1		175.83	878.36
C2ene		0.41	30.87
C2		4.94	45.46
C3ene		0.29	19.14
C3		0.69	14.81
i-C4		0.96	0.00
C4enes		0.53	11.07
n-C4		0.00	6.31
2,2-DMC3		0.00	0.00
i-C5		0.42	0.00
C5enes		0.00	0.00
n-C5		0.00	0.00
2,2-DMC4		0.00	0.00
Cyc5		0.00	0.00
2,3-DMC4		0.00	0.00
2-MC5		0.00	0.00
3-MC5		0.00	0.00
n-C6		0.00	0.00
2,2-DMC5		0.00	0.00
MCyc5		0.00	0.00
2,4-DMC5		0.00	0.00
2,2,3-TMC4		0.00	0.00
Benzene		0.00	0.00
3,3-DMC5		0.00	0.00
Cyc6		0.00	0.00
2-MC6		0.00	0.00
2,3-DMC5		0.00	0.00
1,1-DMCyc5		0.00	0.00
3-MC6		0.00	0.00
1c,3-DMCyc5		0.00	0.00
1t,3-DMCyc5		0.00	0.00
1t,2-DMCyc5		0.00	0.00
n-C7		0.00	0.00
MCyc6		0.00	0.00
1,1,3-TMCyc5		0.00	0.00
2,5-DMC6		0.00	0.00
2,4-DMC6		0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00
Toluene		0.00	0.00
1,1,2-TMCyc5		0.00	0.00
2-MC7		0.00	0.00
4-MC7		0.00	0.00
?, RI is 772		0.00	0.00
3,4-DMC6		0.00	0.00
3-MC7		0.00	0.00
1c,3-DMCyc6		0.00	0.00
1t,4-DMCyc6		0.00	0.00
1c,4-DMCyc6		0.00	0.00
1t,2-DMCyc6		0.00	0.00
n-C8		0.00	0.00
?, RI is 807		0.00	0.00
?, RI is 821		0.00	0.00
2,2-DMC7		0.00	0.00
2,4-DMC7		0.00	0.00
EtCyc6		0.00	0.00
?, RI is 842		0.00	0.00
3,5-DMC7		0.00	0.00
E-Benzene		0.00	0.00
?, RI is 857		0.00	0.00
(m+p)-Xylene		0.00	0.00
?, RI is 865		0.00	0.00
4-MC8		0.00	0.00
o-Xylene		0.00	0.00
?, RI is 891		0.00	0.00
n-C9		0.00	0.00
SUM:		184.1	1006.0

Table 3: Composition of hydrocarbons in headspace and occluded gas.

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G6876/H 930.00	G6876/O 930.00	G6878/H 960.00	G6878/O 960.00	G6880/H 990.00	G6880/O 990.00
C1		99.84	96.51	99.82	95.22	99.76	94.44
C2ene		0.00	0.65	0.00	1.58	0.00	2.15
C2		0.06	2.17	0.16	3.20	0.21	3.41
C3ene		0.02	0.00	0.02	0.00	0.03	0.00
C3		0.00	0.00	0.00	0.00	0.01	0.00
i-C4		0.00	0.00	0.00	0.00	0.00	0.00
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	0.00	0.00	0.00	0.00	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.05	0.67	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.01	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.03	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		16438.5	328.8	41125.4	234.0	29480.4	143.9

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G6882/H	G6882/O	G6884/H	G6884/O	G6886/H	G6886/O
		1020.00	1020.00	1050.00	1050.00	1080.00	1080.00
C1		99.86	97.29	99.78	96.65	99.80	96.97
C2ene		0.00	0.00	0.00	0.00	0.00	0.00
C2		0.12	2.71	0.10	3.35	0.13	3.03
C3ene		0.01	0.00	0.13	0.00	0.06	0.00
C3		0.01	0.00	0.00	0.00	0.00	0.00
i-C4		0.00	0.00	0.00	0.00	0.00	0.00
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	0.00	0.00	0.00	0.00	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
CyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		68923.5	166.1	9450.8	106.1	13096.9	109.8

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G6888/H 1110.00	G6888/O 1110.00	G6889/H 1125.00	G6889/O 1125.00	G6890/H 1140.00	G6890/O 1140.00
C1		99.57	97.07	99.51	90.28	99.71	91.35
C2ene		0.00	0.00	0.00	2.67	0.00	2.68
C2		0.33	2.93	0.39	4.13	0.24	4.25
C3ene		0.07	0.00	0.05	1.72	0.02	1.72
C3		0.04	0.00	0.05	1.20	0.04	0.00
i-C4		0.00	0.00	0.00	0.00	0.00	0.00
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	0.00	0.00	0.00	0.00	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation: ppm (vol)		6377.3	109.1	12854.7	167.2	29358.1	132.1

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G6892/H 1170.00	G6892/O 1170.00	G6894/H 1200.00	G6894/O 1200.00	G6896/H 1230.00	G6896/O 1230.00
C1		99.82	91.12	99.69	88.87	99.31	80.66
C2ene		0.00	3.00	0.00	3.47	0.00	5.74
C2		0.15	3.85	0.25	4.29	0.54	7.02
C3ene		0.03	2.03	0.03	2.08	0.06	4.02
C3		0.00	0.00	0.02	1.28	0.07	2.56
i-C4		0.00	0.00	0.00	0.00	0.00	0.00
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		0.00	0.00	0.00	0.00	0.01	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	0.00	0.00	0.00	0.01	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation: ppm (vol)		11169.2	100.0	42025.0	187.9	36939.2	135.8

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G6898/H 1260.00	G6898/O 1260.00	G6900/H 1290.00	G6900/O 1290.00	G6902/H 1320.00	G6902/O 1320.00
C1		99.45	88.61	99.04	85.75	99.31	78.94
C2ane		0.00	2.89	0.00	5.32	0.00	5.60
C2		0.42	4.56	0.64	5.82	0.44	5.76
C3ane		0.03	2.07	0.14	3.12	0.08	3.92
C3		0.06	1.86	0.06	0.00	0.06	1.99
i-C4		0.01	0.00	0.01	0.00	0.01	0.00
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		0.01	0.00	0.02	0.00	0.02	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.01	0.00	0.02	0.00	0.02	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.01	0.00	0.02	0.00	0.01	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.01	0.00	0.01	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.02	0.00	0.01	1.53
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		0.00	0.00	0.00	0.00	0.01	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc5		0.00	0.00	0.00	0.00	0.01	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyc6		0.00	0.00	0.01	0.00	0.01	2.26
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		104077.0	136.5	29288.5	73.0	61063.3	146.9

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G6903/H 1335.00	G6903/O 1335.00	G6904/H 1350.00	G6904/O 1350.00	G6907/H 1395.00	G6907/O 1395.00
C1		98.88	71.47	98.92	67.73	98.87	82.44
C2ene		0.00	7.48	0.00	4.74	0.00	4.00
C2		0.68	6.74	0.50	5.13	0.80	6.00
C3ene		0.20	5.97	0.05	3.91	0.08	3.57
C3		0.09	2.61	0.19	3.01	0.12	2.39
i-C4		0.02	0.00	0.13	2.30	0.05	0.00
C4enes		0.00	2.01	0.00	1.17	0.00	0.00
n-C4		0.03	0.00	0.11	3.37	0.04	1.59
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.03	0.00	0.05	2.65	0.02	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.02	0.00	0.03	2.24	0.01	0.00
2,2-DMC4		0.00	0.00	0.01	0.00	0.00	0.00
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.01	0.00	0.01	1.08	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.01	1.48	0.01	1.27	0.01	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		0.01	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc5		0.01	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyc6		0.01	2.24	0.00	1.38	0.00	0.00
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		42357.2	151.5	49703.7	195.4	63887.6	167.2

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G6911/H 1455.00	G6911/O 1455.00	G6915/H 1515.00	G6915/O 1515.00	G6920/H 1590.00	G6920/O 1590.00
C1		98.16	74.01	94.98	32.26	88.11	14.52
C2ene		0.00	4.88	0.00	2.13	0.00	1.23
C2		1.32	6.98	1.98	3.81	2.97	1.74
C3ene		0.02	3.40	0.03	1.51	0.01	0.74
C3		0.45	5.94	1.19	4.56	3.62	6.22
i-C4		0.01	0.00	0.71	5.54	1.84	7.12
C4enes		0.00	1.68	0.00	0.51	0.00	0.00
n-C4		0.05	2.42	0.40	5.75	1.49	10.15
2,2-DMC3		0.00	0.00	0.01	0.00	0.02	0.00
i-C5		0.00	0.00	0.29	8.22	0.76	10.21
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	0.68	0.11	5.17	0.38	8.08
2,2-DMC4		0.00	0.00	0.01	0.59	0.04	0.75
Cyc5		0.00	0.00	0.00	0.00	0.01	0.28
2,3-DMC4		0.00	0.00	0.02	0.85	0.04	1.03
2-MC5		0.00	0.00	0.05	4.05	0.14	5.10
3-MC5		0.00	0.00	0.03	2.05	0.07	2.60
n-C6		0.00	0.00	0.04	4.54	0.12	6.05
2,2-DMC5		0.00	0.00	0.00	0.00	0.01	0.31
MCyc5		0.00	0.00	0.04	2.16	0.07	2.39
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.01	0.41
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	0.00	0.00	0.00	0.03	1.13
2-MC6		0.00	0.00	0.01	1.41	0.03	1.79
2,3-DMC5		0.00	0.00	0.00	0.60	0.01	0.63
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.01	1.27	0.03	1.64
1c,3-DMCyc5		0.00	0.00	0.00	0.53	0.01	0.52
1t,3-DMCyc5		0.00	0.00	0.00	0.63	0.01	0.55
1t,2-DMCyc5		0.00	0.00	0.01	0.95	0.01	0.61
n-C7		0.00	0.00	0.02	2.71	0.05	3.50
MCyc6		0.00	0.00	0.04	4.29	0.07	4.04
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.36
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.29
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.30
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.45	0.01	0.86
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.01	0.55
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.70	0.01	0.68
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.27
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.01	1.41	0.02	1.66
?, RI is 807		0.00	0.00	0.00	0.43	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.33
?, RI is 842		0.00	0.00	0.00	0.93	0.00	0.49
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.29
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.01	0.56
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		26224.1	295.2	24784.2	503.7	49746.1	732.2

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G6922/H 1620.00	G6922/O 1620.00	G6924/H 1650.00	G6924/O 1650.00	G6926/H 1680.00	G6926/O 1680.00
C1		92.18	24.79	94.44	32.89	89.77	18.07
C2ene		0.00	2.49	0.00	3.38	0.00	1.79
C2		2.72	3.23	2.86	4.78	3.89	3.95
C3ene		0.01	1.66	0.01	2.42	0.01	1.24
C3		2.46	7.90	1.67	9.53	3.47	13.48
i-C4		1.13	7.46	0.50	6.22	1.52	12.46
C4enes		0.00	0.46	0.00	1.25	0.00	0.36
n-C4		0.66	8.12	0.27	6.19	0.65	9.71
2,2-DMC3		0.01	0.00	0.00	0.00	0.01	0.00
i-C5		0.37	8.44	0.15	6.76	0.34	9.39
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.15	5.66	0.05	3.49	0.11	4.79
2,2-DMC4		0.02	0.60	0.00	0.00	0.01	0.46
Cyc5		0.00	0.00	0.00	0.00	0.01	0.00
2,3-DMC4		0.02	0.81	0.00	0.56	0.01	0.77
2-MC5		0.07	4.14	0.02	2.55	0.05	3.36
3-MC5		0.03	1.88	0.01	1.03	0.02	1.41
n-C6		0.05	4.50	0.01	2.29	0.03	2.95
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		0.03	1.97	0.02	2.68	0.03	2.16
2,4-DMC5		0.00	0.37	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.01	0.40	0.00	0.50	0.00	0.32
2-MC6		0.01	1.53	0.00	0.58	0.01	0.96
2,3-DMC5		0.00	0.64	0.00	0.46	0.00	0.53
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.01	1.39	0.00	0.59	0.01	0.83
1c,3-DMCyc5		0.00	0.48	0.00	0.53	0.00	0.49
1t,3-DMCyc5		0.00	0.53	0.00	0.52	0.00	0.48
1t,2-DMCyc5		0.00	0.47	0.00	0.52	0.00	0.46
n-C7		0.02	2.95	0.00	1.79	0.01	1.98
MCyc6		0.03	3.18	0.00	3.58	0.02	2.98
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.31
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.86	0.00	0.58
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.68	0.00	0.44	0.00	0.57
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.45	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.53	0.00	0.53	0.00	0.49
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.01	1.37	0.00	0.89	0.00	0.99
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.55	0.00	0.77	0.00	0.85
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.70	0.00	0.42
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.73	0.00	0.40
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.38	0.00	0.00	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		30993.1	556.9	28725.1	477.6	54908.3	665.8

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G6928/H 1710.00	G6928/O 1710.00	G6930/H 1740.00	G6930/O 1740.00	G6932/H 1770.00	G6932/O 1770.00
C1		90.53	13.23	86.80	13.10	89.16	16.34
C2ene		0.00	1.52	0.00	1.00	0.00	1.22
C2		3.94	3.35	4.72	3.33	4.15	3.88
C3ene		0.01	1.03	0.01	0.56	0.01	0.72
C3		3.27	14.86	4.58	15.49	3.79	17.00
i-C4		1.14	14.36	1.94	15.30	1.51	17.28
C4enes		0.00	0.31	0.00	0.00	0.00	0.00
n-C4		0.58	12.33	1.04	14.24	0.71	13.28
2,2-DMC3		0.01	0.00	0.02	0.00	0.01	0.00
i-C5		0.26	10.93	0.43	11.23	0.30	10.19
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.09	6.16	0.17	6.96	0.12	5.81
2,2-DMC4		0.01	0.53	0.02	0.63	0.01	0.43
CyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.01	0.88	0.02	0.90	0.02	0.77
2-MC5		0.04	3.68	0.06	3.79	0.05	3.19
3-MC5		0.02	1.52	0.03	1.65	0.02	1.26
n-C6		0.03	3.32	0.05	3.68	0.04	2.93
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyC5		0.02	1.76	0.02	1.13	0.03	1.36
2,4-DMC5		0.00	0.27	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.28	0.00	0.00
Benzene		0.00	0.26	0.00	0.00	0.01	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.00	0.31	0.01	0.26	0.00	0.00
2-MC6		0.01	0.89	0.01	0.94	0.01	0.67
2,3-DMC5		0.00	0.46	0.00	0.40	0.00	0.00
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.01	0.75	0.01	0.75	0.00	0.56
1c,3-DMCyC5		0.00	0.38	0.00	0.25	0.00	0.00
1t,3-DMCyC5		0.00	0.38	0.00	0.25	0.00	0.00
1t,2-DMCyC5		0.00	0.38	0.00	0.25	0.00	0.00
n-C7		0.01	1.76	0.02	1.51	0.02	1.34
MCyC6		0.01	2.15	0.02	1.36	0.02	1.31
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.43	0.00	0.00	0.00	0.00
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.28	0.00	0.26	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC6		0.00	0.25	0.00	0.00	0.00	0.00
1t,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.01	0.68	0.01	0.48	0.00	0.46
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.36	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.26	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		41769.8	841.3	56052.6	846.5	23884.7	516.5

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G6934/H	G6934/O	G6936/H	G6936/O	G6938/H	G6938/O
		1800.00	1800.00	1830.00	1830.00	1860.00	1860.00
C1		85.84	8.84	68.45	11.02	85.31	13.33
C2ene		0.00	0.60	0.00	1.08	0.00	1.18
C2		4.82	2.49	5.64	1.34	5.65	3.95
C3ene		0.02	15.93	0.07	0.61	0.02	0.80
C3		4.69	0.33	10.02	7.11	4.99	19.27
i-C4		2.21	18.84	6.98	13.88	2.60	25.12
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		1.24	16.01	4.10	12.80	0.82	13.09
2,2-DMC3		0.02	0.00	0.05	0.00	0.01	0.00
i-C5		0.53	11.60	1.99	12.57	0.34	10.18
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.24	7.06	0.90	8.36	0.10	4.14
2,2-DMC4		0.02	0.63	0.09	0.73	0.00	0.21
CyC5		0.01	0.00	0.04	0.21	0.01	0.00
2,3-DMC4		0.03	0.82	0.11	1.15	0.01	0.68
2-MC5		0.09	3.66	0.36	5.21	0.03	1.96
3-MC5		0.04	1.56	0.17	2.26	0.01	0.70
n-C6		0.07	3.56	0.22	5.46	0.02	1.30
2,2-DMC5		0.00	0.20	0.00	0.32	0.00	0.00
MCyC5		0.03	1.06	0.16	1.56	0.03	1.07
2,4-DMC5		0.00	0.26	0.02	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.47	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.01	0.20
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.01	0.29	0.09	0.75	0.01	0.21
2-MC6		0.02	0.90	0.07	1.61	0.00	0.25
2,3-DMC5		0.00	0.35	0.03	0.61	0.00	0.26
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.01	0.71	0.07	1.35	0.00	0.23
1c,3-DMCyC5		0.00	0.00	0.02	0.35	0.00	0.00
1t,3-DMCyC5		0.00	0.19	0.02	0.36	0.00	0.00
1t,2-DMCyC5		0.00	0.21	0.03	0.40	0.00	0.00
n-C7		0.03	1.55	0.08	2.92	0.01	0.55
MCyC6		0.03	1.11	0.17	2.39	0.02	0.95
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.26	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.22	0.02	0.28	0.01	0.37
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.25	0.00	0.63	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.22	0.00	0.38	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC6		0.00	0.00	0.00	0.27	0.00	0.00
1t,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.01	0.53	0.03	1.06	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.24	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		30157.7	1081.5	10718.4	1004.9	32634.7	1035.1

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G6940/H	G6940/O	G6942/H	G6942/O	G6943/H	G6943/O
		1890.00	1890.00	1920.00	1920.00	1935.00	1935.00
C1		83.16	11.39	78.87	11.85	83.60	9.35
C2ene		0.00	1.10	0.00	1.20	0.00	0.99
C2		6.03	3.14	5.35	2.33	5.68	3.45
C3ene		0.04	0.67	0.08	0.79	0.02	0.70
C3		5.60	17.15	7.01	14.20	5.51	19.13
i-C4		3.57	29.82	5.90	29.44	3.84	33.24
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		0.85	11.35	1.19	9.73	0.63	9.14
2,2-DMC3		0.01	0.00	0.02	0.00	0.01	0.00
i-C5		0.46	11.99	0.88	12.72	0.42	10.87
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.10	3.84	0.18	3.83	0.08	3.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
Cyc5		0.01	0.00	0.02	0.00	0.01	0.22
2,3-DMC4		0.02	0.86	0.05	1.15	0.02	0.84
2-MC5		0.04	2.26	0.10	2.96	0.04	2.14
3-MC5		0.01	0.75	0.04	1.02	0.02	0.72
n-C6		0.02	1.24	0.05	1.67	0.02	1.14
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		0.03	1.36	0.09	1.74	0.04	1.29
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.01	0.24	0.02	0.00	0.01	0.21
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.01	0.00	0.02	0.29	0.01	0.25
2-MC6		0.00	0.24	0.00	0.36	0.00	0.22
2,3-DMC5		0.00	0.33	0.02	0.46	0.00	0.30
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.33	0.00	0.21
1c,3-DMCyc5		0.00	0.25	0.01	0.39	0.00	0.24
1t,3-DMCyc5		0.00	0.00	0.00	0.35	0.00	0.21
1t,2-DMCyc5		0.00	0.00	0.00	0.29	0.00	0.18
n-C7		0.01	0.56	0.02	0.84	0.01	0.54
MCyc6		0.02	1.11	0.07	1.62	0.03	1.03
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.01	0.37	0.03	0.45	0.01	0.38
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		38217.6	841.3	14503.8	739.9	29115.4	1106.9

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G6945/H	G6945/O	G6946/H	G6946/O	G6948/H	G6948/O
		1965.00	1965.00	1980.00	1980.00	2010.00	2010.00
C1		82.43	9.07	80.20	8.36	70.95	6.48
C2ene		0.00	0.87	0.00	0.85	0.00	0.81
C2		5.82	3.29	6.60	3.34	8.11	1.65
C3ene		0.02	0.58	0.02	0.56	0.07	0.51
C3		5.93	18.56	6.61	19.27	10.97	17.13
1-C4		4.32	33.96	4.97	35.84	7.67	42.21
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		0.71	9.11	0.81	9.44	1.43	11.71
2,2-DMC3		0.01	0.00	0.01	0.00	0.00	0.00
1-C5		0.47	10.75	0.48	10.31	0.63	11.48
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.08	2.95	0.09	2.75	0.13	2.84
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
CyC5		0.01	0.21	0.01	0.21	0.00	0.20
2,3-DMC4		0.02	0.89	0.02	0.80	0.00	0.72
2-MC5		0.04	2.18	0.04	1.87	0.05	1.56
3-MC5		0.01	0.78	0.02	0.68	0.00	0.45
n-C6		0.02	1.23	0.02	1.06	0.00	0.80
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyC5		0.04	1.23	0.04	1.07	0.00	0.66
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.01	0.22	0.01	0.21	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.01	0.24	0.01	0.20	0.00	0.00
2-MC6		0.00	0.26	0.00	0.22	0.00	0.00
2,3-DMC5		0.00	0.32	0.00	0.29	0.00	0.00
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.23	0.00	0.21	0.00	0.00
1c,3-DMCyC5		0.00	0.28	0.00	0.23	0.00	0.00
1t,3-DMCyC5		0.00	0.23	0.00	0.20	0.00	0.00
1t,2-DMCyC5		0.00	0.24	0.01	0.25	0.00	0.00
n-C7		0.00	0.57	0.01	0.46	0.00	0.27
MCyC6		0.02	1.18	0.03	1.01	0.00	0.33
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.01	0.38	0.01	0.31	0.00	0.19
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.20	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		26627.7	1142.6	33439.4	1220.2	4482.4	1158.2

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G6950/H	G6950/O	G6952/H	G6952/O	G6954/H	G6954/O
		2040.00	2040.00	2070.00	2070.00	2100.00	2100.00
C1		77.24	6.54	71.45	4.39	67.37	4.24
C2ene		0.00	0.74	0.00	0.58	0.00	0.70
C2		4.94	1.66	5.82	1.44	6.57	1.32
C3ene		0.08	0.58	0.08	0.42	0.11	0.49
C3		7.71	14.37	9.84	14.27	11.45	13.76
i-C4		7.06	38.29	8.74	35.81	9.30	33.26
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		1.58	12.53	2.25	14.34	2.86	15.53
2,2-DMC3		0.02	0.00	0.03	0.16	0.03	0.13
i-C5		0.84	13.46	1.09	14.22	1.30	14.12
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.17	3.69	0.24	4.17	0.32	4.82
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
Cyc5		0.03	0.27	0.04	0.31	0.06	0.34
2,3-DMC4		0.04	0.94	0.04	0.90	0.05	0.85
2-MC5		0.07	2.27	0.09	2.38	0.11	2.60
3-MC5		0.02	0.65	0.03	0.78	0.04	0.84
n-C6		0.04	1.11	0.04	1.21	0.05	1.41
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		0.06	0.98	0.10	1.33	0.15	1.44
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.02	0.00	0.02	0.00	0.03	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.02	0.24	0.03	0.32	0.06	0.42
2-MC6		0.00	0.24	0.00	0.30	0.00	0.36
2,3-DMC5		0.00	0.26	0.00	0.26	0.00	0.26
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.21	0.00	0.23
1c,3-DMCyc5		0.00	0.00	0.00	0.19	0.00	0.22
1t,3-DMCyc5		0.00	0.00	0.00	0.17	0.00	0.22
1t,2-DMCyc5		0.00	0.00	0.00	0.24	0.00	0.32
n-C7		0.02	0.38	0.00	0.41	0.00	0.49
MCyc6		0.03	0.59	0.05	0.91	0.09	1.03
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.02	0.22	0.02	0.16	0.04	0.18
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.15
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.11
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.12	0.00	0.15
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		13828.0	1154.5	10841.8	1684.8	8457.2	1814.5

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G6956/H 2130.00	G6956/O 2130.00	G6958/H 2160.00	G6958/O 2160.00	G6960/H 2190.00	G6960/O 2190.00
C1		52.98	5.40	56.67	5.11	58.20	3.31
C2ene		0.00	0.99	0.00	0.76	0.00	0.47
C2		5.31	1.01	3.76	0.88	4.66	0.74
C3ene		0.06	0.63	0.17	0.59	0.08	0.30
C3		14.18	8.65	12.34	7.86	13.54	9.19
i-C4		15.23	23.52	14.83	22.77	12.02	22.34
C4enes		0.00	0.16	0.00	0.21	0.00	0.00
n-C4		5.92	15.68	6.18	16.13	6.14	18.17
2,2-DMC3		0.05	0.00	0.06	0.12	0.04	0.12
i-C5		3.24	15.61	3.25	16.80	2.65	16.22
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.91	7.09	1.00	7.79	0.98	8.56
2,2-DMC4		0.00	0.00	0.02	0.15	0.02	0.15
CyC5		0.15	0.48	0.10	0.49	0.11	0.53
2,3-DMC4		0.12	1.05	0.12	1.11	0.09	0.98
2-MC5		0.33	3.95	0.33	4.12	0.27	3.98
3-MC5		0.13	1.37	0.13	1.53	0.12	1.55
n-C6		0.14	2.86	0.18	2.87	0.18	3.16
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyC5		0.41	2.41	0.27	2.29	0.27	2.18
2,4-DMC5		0.00	0.20	0.01	0.17	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.15
Benzene		0.04	0.00	0.00	0.00	0.01	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.18	0.86	0.13	0.93	0.17	1.10
2-MC6		0.04	0.84	0.04	0.75	0.04	0.74
2,3-DMC5		0.03	0.50	0.02	0.42	0.02	0.38
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.08
3-MC6		0.03	0.54	0.02	0.49	0.02	0.50
1c,3-DMCyC5		0.04	0.39	0.03	0.35	0.03	0.33
1t,3-DMCyC5		0.04	0.38	0.03	0.35	0.03	0.34
1t,2-DMCyC5		0.06	0.58	0.04	0.57	0.04	0.54
n-C7		0.03	1.28	0.04	1.02	0.04	1.07
MCyC6		0.26	2.18	0.17	1.92	0.18	1.88
1,1,3-TMCyC5		0.00	0.00	0.00	0.14	0.00	0.15
2,5-DMC6		0.00	0.00	0.00	0.09	0.01	0.09
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.13	0.00	0.13
Toluene		0.07	0.31	0.02	0.20	0.02	0.14
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.36	0.01	0.26	0.01	0.26
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.09	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC6		0.00	0.26	0.01	0.21	0.01	0.18
1t,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.48	0.02	0.34	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		9143.5	1313.8	20553.6	2289.3	20597.9	2482.0

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G6962/H 2220.00	G6962/O 2220.00	G6964/H 2250.00	G6964/O 2250.00	G6966/H 2280.00	G6966/O 2280.00
C1		56.15	2.78	58.28	2.91	49.21	2.33
C2ene		0.00	0.41	0.00	0.51	0.00	0.48
C2		4.86	0.53	4.72	0.65	4.24	0.39
C3ene		0.03	0.24	0.04	0.30	0.03	0.27
C3		13.83	6.57	13.05	7.53	16.28	5.16
i-C4		11.38	18.16	10.41	16.86	11.59	13.15
C4enes		0.00	0.00	0.00	0.07	0.00	0.06
n-C4		7.00	17.52	6.74	17.35	9.91	17.72
2,2-DMC3		0.04	0.11	0.04	0.10	0.04	0.08
i-C5		3.00	16.82	2.85	15.03	3.41	14.77
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		1.29	10.11	1.25	9.81	1.89	11.87
2,2-DMC4		0.02	0.18	0.02	0.19	0.03	0.21
CyC5		0.13	0.58	0.18	0.61	0.23	0.64
2,3-DMC4		0.11	1.12	0.11	1.05	0.12	1.01
2-MC5		0.38	4.76	0.34	4.66	0.42	5.05
3-MC5		0.17	1.94	0.16	2.00	0.21	2.31
n-C6		0.28	4.08	0.26	4.45	0.38	5.54
2,2-DMC5		0.00	0.08	0.00	0.09	0.00	0.11
MCyC5		0.33	2.54	0.39	2.47	0.46	2.65
2,4-DMC5		0.00	0.00	0.00	0.23	0.00	0.24
2,2,3-TMC4		0.01	0.22	0.00	0.00	0.00	0.00
Benzene		0.01	0.00	0.04	0.05	0.03	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.22	1.48	0.32	1.71	0.49	2.27
2-MC6		0.06	0.92	0.05	1.04	0.06	1.21
2,3-DMC5		0.03	0.46	0.03	0.50	0.03	0.51
1,1-DMCyC5		0.01	0.12	0.00	0.15	0.02	0.21
3-MC6		0.04	0.64	0.04	0.77	0.05	0.92
1c,3-DMCyC5		0.03	0.39	0.03	0.40	0.04	0.45
1t,3-DMCyC5		0.03	0.40	0.03	0.41	0.04	0.48
1t,2-DMCyC5		0.05	0.63	0.05	0.62	0.06	0.71
n-C7		0.08	1.39	0.07	1.73	0.10	2.12
MCyC6		0.25	2.40	0.30	2.73	0.40	3.24
1,1,3-TMCyC5		0.01	0.17	0.00	0.22	0.02	0.26
2,5-DMC6		0.02	0.19	0.02	0.22	0.02	0.25
2,4-DMC6		0.00	0.10	0.00	0.12	0.00	0.15
1t,2c,3-TMCyC5		0.01	0.15	0.00	0.17	0.00	0.18
Toluene		0.02	0.23	0.07	0.22	0.06	0.17
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.09
2-MC7		0.02	0.26	0.02	0.41	0.02	0.51
4-MC7		0.00	0.00	0.00	0.00	0.00	0.06
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.10	0.00	0.14	0.00	0.17
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC6		0.02	0.23	0.02	0.26	0.03	0.36
1t,4-DMCyC6		0.00	0.08	0.00	0.12	0.00	0.14
1c,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.05
n-C8		0.04	0.48	0.04	0.64	0.05	0.79
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.07
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6		0.01	0.11	0.00	0.16	0.02	0.18
?, RI is 842		0.00	0.06	0.00	0.08	0.00	0.07
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.06	0.00	0.07
(m+p)-Xylene		0.00	0.10	0.02	0.07	0.02	0.06
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.05
4-MC8		0.00	0.00	0.00	0.00	0.00	0.05
o-Xylene		0.00	0.06	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.08	0.00	0.09	0.00	0.11
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		21589.3	3381.7	11778.8	3781.7	16328.3	4172.7

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G6968/H 2310.00	G6968/O 2310.00	G6970/H 2340.00	G6970/O 2340.00	G6972/H 2370.00	G6972/O 2370.00
C1		52.32	2.14	40.60	1.86	34.34	1.45
C2ene		0.00	0.38	0.00	0.35	0.00	0.31
C2		4.59	0.44	4.44	0.34	4.81	0.33
C3ene		0.02	0.20	0.03	0.16	0.04	0.15
C3		16.05	6.65	18.66	5.05	20.08	5.15
i-C4		10.06	14.08	12.35	11.50	12.43	9.87
C4enes		0.00	0.04	0.00	0.00	0.00	0.03
n-C4		9.17	19.06	12.73	17.61	14.09	16.61
2,2-DMC3		0.03	0.08	0.04	0.08	0.04	0.07
i-C5		2.95	14.24	4.01	13.98	4.49	12.67
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		1.73	11.56	2.64	12.66	3.30	12.49
2,2-DMC4		0.03	0.21	0.04	0.27	0.07	0.33
Cyc5		0.20	0.67	0.27	0.66	0.30	0.64
2,3-DMC4		0.09	0.90	0.13	0.90	0.15	0.84
2-MC5		0.37	4.54	0.54	5.02	0.70	5.00
3-MC5		0.19	2.13	0.28	2.42	0.37	2.52
n-C6		0.35	5.15	0.51	6.24	0.84	6.96
2,2-DMC5		0.00	0.11	0.00	0.14	0.02	0.19
MCyc5		0.40	2.53	0.57	2.70	0.67	2.71
2,4-DMC5		0.00	0.21	0.01	0.21	0.03	0.25
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.03
Benzene		0.02	0.04	0.02	0.00	0.03	0.03
3,3-DMC5		0.00	0.00	0.00	0.05	0.00	0.07
Cyc6		0.46	2.35	0.72	2.89	0.99	3.48
2-MC6		0.05	1.03	0.08	1.21	0.12	1.38
2,3-DMC5		0.03	0.45	0.04	0.48	0.05	0.49
1,1-DMCyc5		0.02	0.21	0.04	0.29	0.05	0.35
3-MC6		0.04	0.79	0.06	0.97	0.10	1.14
1c,3-DMCyc5		0.04	0.42	0.05	0.48	0.07	0.50
1t,3-DMCyc5		0.04	0.43	0.06	0.50	0.07	0.53
1t,2-DMCyc5		0.06	0.64	0.08	0.71	0.10	0.75
n-C7		0.09	1.87	0.11	2.36	0.26	2.96
MCyc6		0.37	3.00	0.54	3.61	0.75	4.15
1,1,3-TMCyc5		0.02	0.25	0.02	0.32	0.03	0.34
2,5-DMC6		0.01	0.20	0.02	0.23	0.03	0.28
2,4-DMC6		0.00	0.14	0.01	0.19	0.02	0.23
1t,2c,3-TMCyc5		0.00	0.16	0.01	0.17	0.02	0.18
Toluene		0.05	0.20	0.06	0.20	0.07	0.19
1,1,2-TMCyc5		0.00	0.04	0.00	0.08	0.00	0.10
2-MC7		0.02	0.42	0.03	0.48	0.06	0.67
4-MC7		0.00	0.05	0.00	0.07	0.00	0.09
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.04
3,4-DMC6		0.00	0.15	0.01	0.19	0.02	0.25
3-MC7		0.00	0.00	0.00	0.00	0.00	0.04
1c,3-DMCyc6		0.02	0.31	0.04	0.39	0.06	0.47
1t,4-DMCyc6		0.00	0.12	0.02	0.15	0.02	0.19
1c,4-DMCyc6		0.00	0.05	0.00	0.07	0.01	0.10
1t,2-DMCyc6		0.00	0.00	0.00	0.04	0.00	0.04
n-C8		0.04	0.71	0.05	0.89	0.12	1.15
?, RI is 807		0.00	0.05	0.00	0.07	0.01	0.08
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.03
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.05	0.00	0.07
EtCyc6		0.02	0.17	0.03	0.22	0.04	0.28
?, RI is 842		0.00	0.06	0.00	0.07	0.01	0.09
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.04	0.00	0.00	0.00	0.04
?, RI is 857		0.00	0.07	0.00	0.08	0.01	0.10
(m+p)-Xylene		0.01	0.07	0.02	0.07	0.02	0.08
?, RI is 865		0.00	0.04	0.00	0.06	0.00	0.08
4-MC8		0.00	0.04	0.00	0.06	0.01	0.07
o-Xylene		0.00	0.00	0.01	0.00	0.01	0.04
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.03
n-C9		0.00	0.10	0.00	0.14	0.03	0.19
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		15282.4	5080.7	19490.1	5151.5	18614.2	7342.2

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G6974/H	G6974/O	G6976/H	G6976/O	G6978/H	G6978/O
		2400.00	2400.00	2430.00	2430.00	2460.00	2460.00
C1		32.40	1.48	31.97	1.35	20.23	1.51
C2ene		0.00	0.33	0.00	0.32	0.00	0.33
C2		4.49	0.24	5.49	0.30	4.07	0.24
C3ene		0.04	0.15	0.03	0.15	0.04	0.14
C3		19.85	3.73	22.06	4.70	20.43	3.06
i-C4		12.03	8.36	11.90	8.74	14.28	6.28
C4enes		0.00	0.00	0.00	0.06	0.00	0.03
n-C4		15.29	15.38	14.89	16.49	18.72	13.32
2,2-DMC3		0.04	0.06	0.04	0.06	0.06	0.05
i-C5		4.66	12.39	4.16	12.10	6.64	11.55
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		3.67	13.03	3.24	12.89	5.03	13.04
2,2-DMC4		0.07	0.35	0.07	0.38	0.14	0.43
CyC5		0.40	0.65	0.33	0.66	0.39	0.67
2,3-DMC4		0.14	0.84	0.13	0.77	0.23	0.82
2-MC5		0.70	5.22	0.60	4.83	1.24	5.39
3-MC5		0.39	2.71	0.34	2.58	0.70	2.96
n-C6		0.89	7.64	0.71	7.25	1.00	8.40
2,2-DMC5		0.02	0.21	0.02	0.20	0.04	0.25
MCyC5		0.82	2.95	0.64	2.82	0.99	3.19
2,4-DMC5		0.02	0.27	0.02	0.26	0.05	0.30
2,2,3-TMC4		0.00	0.03	0.00	0.03	0.00	0.04
Benzene		0.05	0.00	0.05	0.03	0.04	0.03
3,3-DMC5		0.00	0.08	0.00	0.08	0.02	0.10
CyC6		1.45	4.15	1.22	4.48	1.80	5.36
2-MC6		0.11	1.48	0.10	1.32	0.20	1.58
2,3-DMC5		0.05	0.51	0.04	0.45	0.09	0.52
1,1-DMCyC5		0.06	0.38	0.05	0.37	0.10	0.44
3-MC6		0.10	1.24	0.09	1.13	0.21	1.38
1c,3-DMCyC5		0.08	0.55	0.06	0.49	0.12	0.58
1t,3-DMCyC5		0.08	0.59	0.06	0.52	0.13	0.62
1t,2-DMCyC5		0.12	0.82	0.09	0.73	0.18	0.85
n-C7		0.26	3.28	0.20	3.03	0.29	3.76
MCyC6		0.94	4.87	0.73	4.69	1.39	5.91
1,1,3-TMCyC5		0.04	0.36	0.03	0.34	0.06	0.39
2,5-DMC6		0.03	0.30	0.03	0.27	0.06	0.34
2,4-DMC6		0.02	0.25	0.02	0.24	0.05	0.29
1t,2c,3-TMCyC5		0.02	0.19	0.01	0.17	0.03	0.20
Toluene		0.15	0.22	0.13	0.23	0.12	0.25
1,1,2-TMCyC5		0.00	0.11	0.00	0.09	0.02	0.10
2-MC7		0.06	0.73	0.05	0.65	0.07	0.74
4-MC7		0.00	0.10	0.00	0.10	0.01	0.11
?, RI is 772		0.00	0.04	0.00	0.04	0.00	0.05
3,4-DMC6		0.02	0.28	0.02	0.26	0.04	0.33
3-MC7		0.00	0.04	0.00	0.04	0.01	0.05
1c,3-DMCyC6		0.06	0.53	0.05	0.50	0.13	0.62
1t,4-DMCyC6		0.03	0.21	0.02	0.21	0.05	0.26
1c,4-DMCyC6		0.02	0.12	0.01	0.12	0.04	0.15
1t,2-DMCyC6		0.00	0.03	0.00	0.03	0.00	0.00
n-C8		0.13	1.27	0.10	1.17	0.15	1.45
?, RI is 807		0.00	0.09	0.01	0.09	0.03	0.12
?, RI is 821		0.00	0.00	0.00	0.03	0.00	0.03
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.08	0.00	0.07	0.01	0.09
EtCyC6		0.05	0.32	0.04	0.31	0.09	0.39
?, RI is 842		0.00	0.10	0.00	0.09	0.02	0.10
3,5-DMC7		0.00	0.00	0.00	0.02	0.00	0.00
E-Benzene		0.02	0.05	0.02	0.04	0.01	0.04
?, RI is 857		0.00	0.11	0.01	0.10	0.03	0.12
(m+p)-Xylene		0.05	0.09	0.04	0.11	0.04	0.12
?, RI is 865		0.00	0.08	0.00	0.08	0.00	0.10
4-MC8		0.00	0.08	0.01	0.08	0.02	0.10
o-Xylene		0.02	0.04	0.02	0.05	0.02	0.06
?, RI is 891		0.00	0.03	0.00	0.03	0.01	0.05
n-C9		0.03	0.20	0.02	0.20	0.02	0.26
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		12639.0	6200.2	19883.2	8827.1	24363.1	6728.4

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G6980/H	G6980/O	G6982/H	G6982/O	G6984/H	G6984/O
		2490.00	2490.00	2520.00	2520.00	2550.00	2550.00
C1		20.53	1.39	29.76	1.22	31.91	1.38
C2ene		0.00	0.30	0.00	0.26	0.00	0.26
C2		4.75	0.29	7.31	0.44	7.03	0.46
C3ene		0.03	0.14	0.02	0.11	0.02	0.12
C3		21.46	3.51	24.51	5.70	22.16	4.95
i-C4		13.61	6.22	12.00	8.75	12.06	7.59
C4enes		0.00	0.03	0.00	0.03	0.00	0.03
n-C4		18.20	12.95	14.04	15.49	13.55	13.55
2,2-DMC3		0.05	0.05	0.04	0.06	0.05	0.05
i-C5		6.34	11.06	4.02	11.81	4.35	11.19
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		5.04	12.63	3.06	12.34	3.23	11.73
2,2-DMC4		0.15	0.47	0.10	0.59	0.14	0.68
Cyc5		0.40	0.65	0.24	0.57	0.21	0.53
2,3-DMC4		0.22	0.82	0.12	0.87	0.15	0.91
2-MC5		1.17	5.33	0.59	4.96	0.68	5.13
3-MC5		0.66	2.97	0.34	2.80	0.39	2.93
n-C6		0.99	8.47	0.71	7.92	0.87	8.57
2,2-DMC5		0.04	0.26	0.02	0.28	0.03	0.34
MCyc5		0.96	3.12	0.49	2.57	0.48	2.62
2,4-DMC5		0.05	0.31	0.03	0.32	0.03	0.37
2,2,3-TMC4		0.00	0.04	0.00	0.05	0.01	0.06
Benzene		0.05	0.04	0.03	0.04	0.03	0.06
3,3-DMC5		0.02	0.11	0.01	0.12	0.01	0.16
Cyc6		1.86	5.33	0.89	3.98	0.78	3.85
2-MC6		0.20	1.58	0.10	1.43	0.12	1.69
2,3-DMC5		0.07	0.51	0.03	0.43	0.04	0.49
1,1-DMCyc5		0.09	0.45	0.04	0.29	0.03	0.31
3-MC6		0.19	1.42	0.09	1.25	0.10	1.52
1c,3-DMCyc5		0.11	0.58	0.04	0.39	0.04	0.40
1t,3-DMCyc5		0.11	0.63	0.04	0.44	0.04	0.46
1t,2-DMCyc5		0.16	0.87	0.06	0.59	0.06	0.61
n-C7		0.17	3.88	0.18	3.59	0.26	4.47
MCyc6		1.35	6.07	0.58	4.57	0.57	5.15
1,1,3-TMCyc5		0.06	0.40	0.02	0.22	0.02	0.21
2,5-DMC6		0.03	0.40	0.02	0.34	0.03	0.48
2,4-DMC6		0.04	0.32	0.01	0.19	0.01	0.22
1t,2c,3-TMCyc5		0.03	0.20	0.01	0.10	0.01	0.10
Toluene		0.12	0.26	0.08	0.28	0.08	0.31
1,1,2-TMCyc5		0.01	0.10	0.01	0.08	0.01	0.10
2-MC7		0.07	0.77	0.04	0.62	0.04	0.79
4-MC7		0.01	0.13	0.01	0.12	0.01	0.17
?, RI is 772		0.00	0.05	0.00	0.03	0.00	0.04
3,4-DMC6		0.04	0.34	0.02	0.33	0.02	0.45
3-MC7		0.00	0.05	0.00	0.04	0.00	0.06
1c,3-DMCyc6		0.12	0.69	0.04	0.43	0.04	0.51
1t,4-DMCyc6		0.05	0.30	0.02	0.20	0.02	0.24
1c,4-DMCyc6		0.03	0.17	0.01	0.10	0.01	0.11
1t,2-DMCyc6		0.00	0.03	0.00	0.00	0.00	0.00
n-C8		0.11	1.54	0.07	1.30	0.09	1.77
?, RI is 807		0.02	0.13	0.01	0.09	0.01	0.11
?, RI is 821		0.00	0.04	0.00	0.03	0.00	0.06
2,2-DMC7		0.00	0.03	0.00	0.03	0.00	0.04
2,4-DMC7		0.01	0.09	0.01	0.11	0.01	0.16
EtCyc6		0.09	0.43	0.03	0.29	0.03	0.37
?, RI is 842		0.02	0.12	0.01	0.06	0.01	0.09
3,5-DMC7		0.00	0.04	0.00	0.00	0.00	0.02
E-Benzene		0.00	0.05	0.01	0.04	0.01	0.04
?, RI is 857		0.02	0.14	0.01	0.09	0.01	0.10
(m+p)-Xylene		0.04	0.14	0.03	0.14	0.03	0.14
?, RI is 865		0.00	0.10	0.01	0.10	0.01	0.14
4-MC8		0.01	0.10	0.01	0.07	0.01	0.10
o-Xylene		0.02	0.06	0.01	0.05	0.01	0.05
?, RI is 891		0.00	0.05	0.00	0.03	0.00	0.05
n-C9		0.02	0.27	0.02	0.26	0.02	0.37
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		17434.8	9292.1	44082.1	9935.3	57709.1	9496.9

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G6986/H 2580.00	G6986/O 2580.00	G6988/H 2610.00	G6988/O 2610.00	G6990/H 2640.00	G6990/O 2640.00
C1		20.54	1.30	30.38	1.44	28.60	1.41
C2ene		0.00	0.25	0.00	0.28	0.00	0.27
C2		6.46	0.42	7.82	0.39	8.99	0.48
C3ene		0.04	0.11	0.03	0.12	0.02	0.13
C3		25.18	5.25	21.58	3.72	23.68	4.68
i-C4		14.84	8.44	11.48	6.61	11.79	7.13
C4enes		0.00	0.02	0.00	0.03	0.00	0.05
n-C4		16.47	14.49	13.45	11.61	12.80	12.13
2,2-DMC3		0.06	0.06	0.04	0.06	0.05	0.05
i-C5		5.52	11.98	4.66	11.19	4.39	10.95
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		4.11	12.18	3.53	11.56	3.09	10.80
2,2-DMC4		0.19	0.78	0.18	0.84	0.16	0.80
CyC5		0.23	0.51	0.24	0.44	0.23	0.45
2,3-DMC4		0.19	0.93	0.18	1.00	0.17	0.98
2-MC5		0.86	5.09	0.76	5.44	0.68	5.08
3-MC5		0.50	2.92	0.47	3.12	0.40	2.94
n-C6		1.12	8.37	0.94	9.32	0.92	8.58
2,2-DMC5		0.04	0.33	0.03	0.39	0.03	0.36
MCyC5		0.60	2.66	0.70	2.89	0.65	2.97
2,4-DMC5		0.04	0.35	0.03	0.40	0.03	0.39
2,2,3-TMC4		0.01	0.06	0.01	0.07	0.00	0.07
Benzene		0.02	0.04	0.03	0.03	0.06	0.04
3,3-DMC5		0.02	0.15	0.02	0.19	0.02	0.18
CyC6		0.90	3.71	1.06	3.86	0.97	3.81
2-MC6		0.14	1.52	0.14	1.88	0.12	1.82
2,3-DMC5		0.05	0.43	0.04	0.51	0.04	0.49
1,1-DMCyC5		0.04	0.28	0.05	0.34	0.04	0.33
3-MC6		0.13	1.36	0.13	1.72	0.11	1.69
1c,3-DMCyC5		0.05	0.37	0.06	0.44	0.05	0.44
1t,3-DMCyC5		0.06	0.43	0.06	0.51	0.05	0.51
1t,2-DMCyC5		0.07	0.56	0.09	0.67	0.07	0.66
n-C7		0.29	3.94	0.22	5.04	0.29	4.85
MCyC6		0.69	4.82	0.90	5.91	0.77	5.88
1,1,3-TMCyC5		0.02	0.18	0.02	0.21	0.02	0.21
2,5-DMC6		0.03	0.39	0.03	0.54	0.03	0.55
2,4-DMC6		0.02	0.19	0.02	0.22	0.01	0.21
1t,2c,3-TMCyC5		0.01	0.08	0.01	0.10	0.00	0.09
Toluene		0.07	0.26	0.11	0.30	0.19	0.35
1,1,2-TMCyC5		0.01	0.08	0.01	0.10	0.00	0.10
2-MC7		0.05	0.62	0.05	0.82	0.04	0.81
4-MC7		0.01	0.14	0.01	0.19	0.01	0.21
?, RI is 772		0.00	0.03	0.00	0.04	0.00	0.04
3,4-DMC6		0.03	0.38	0.03	0.54	0.03	0.58
3-MC7		0.00	0.04	0.00	0.06	0.00	0.07
1c,3-DMCyC6		0.04	0.43	0.06	0.59	0.05	0.60
1t,4-DMCyC6		0.02	0.21	0.03	0.30	0.02	0.33
1c,4-DMCyC6		0.01	0.10	0.02	0.14	0.01	0.14
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.03
n-C8		0.09	1.40	0.08	1.98	0.12	2.08
?, RI is 807		0.01	0.10	0.01	0.12	0.01	0.13
?, RI is 821		0.00	0.05	0.00	0.07	0.00	0.07
2,2-DMC7		0.00	0.03	0.00	0.05	0.00	0.05
2,4-DMC7		0.01	0.11	0.01	0.14	0.00	0.15
EtcyC6		0.03	0.29	0.05	0.41	0.04	0.43
?, RI is 842		0.00	0.06	0.01	0.08	0.00	0.08
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.01	0.03	0.01	0.04	0.02	0.05
?, RI is 857		0.00	0.07	0.00	0.00	0.00	0.09
(m+p)-Xylene		0.02	0.13	0.05	0.16	0.08	0.22
?, RI is 865		0.01	0.10	0.01	0.15	0.01	0.19
4-MC8		0.01	0.08	0.01	0.12	0.01	0.13
o-Xylene		0.01	0.04	0.02	0.06	0.03	0.07
?, RI is 891		0.00	0.03	0.00	0.05	0.00	0.06
n-C9		0.01	0.26	0.01	0.40	0.03	0.47
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		58005.9	9076.4	38235.4	8344.8	28498.2	9561.7

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G6992/H 2670.00	G6992/O 2670.00	G6994/H 2700.00	G6994/O 2700.00	G6996/H 2730.00	G6996/O 2730.00
C1		27.56	1.54	31.09	1.66	31.71	2.41
C2ene		0.00	0.27	0.00	0.26	0.00	0.21
C2		9.11	0.50	11.30	0.70	10.54	0.81
C3ene		0.03	0.13	0.03	0.13	0.02	0.09
C3		21.89	4.05	22.97	5.65	20.49	5.71
i-C4		11.92	6.13	10.69	7.50	10.42	7.65
C4enes		0.00	0.05	0.00	0.05	0.00	0.00
n-C4		12.85	10.56	11.19	12.41	11.57	12.26
2,2-DMC3		0.05	0.05	0.04	0.06	0.04	0.06
1-C5		5.13	10.72	4.11	11.52	4.51	11.76
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		3.40	10.15	2.57	10.27	3.03	10.27
2,2-DMC4		0.23	0.94	0.18	0.96	0.19	0.93
CyC5		0.23	0.40	0.20	0.42	0.25	0.42
2,3-DMC4		0.22	1.11	0.17	1.12	0.19	1.12
2-MC5		0.86	5.47	0.62	5.14	0.76	5.34
3-MC5		0.51	3.16	0.37	2.99	0.45	3.03
n-C6		1.11	8.90	0.76	7.93	0.96	7.94
2,2-DMC5		0.04	0.44	0.03	0.39	0.03	0.38
MCyC5		0.75	3.06	0.62	3.02	0.77	2.87
2,4-DMC5		0.04	0.46	0.03	0.41	0.04	0.41
2,2,3-TMC4		0.01	0.09	0.01	0.08	0.00	0.08
Benzene		0.06	0.04	0.07	0.04	0.08	0.04
3,3-DMC5		0.02	0.22	0.01	0.20	0.02	0.18
CyC6		1.05	3.64	0.85	3.43	1.11	3.26
2-MC6		0.16	2.13	0.11	1.83	0.14	1.84
2,3-DMC5		0.05	0.56	0.03	0.49	0.04	0.51
1,1-DMCyC5		0.05	0.38	0.04	0.35	0.06	0.36
3-MC6		0.15	1.98	0.11	1.71	0.14	1.69
1c,3-DMCyC5		0.06	0.48	0.04	0.43	0.06	0.45
1t,3-DMCyC5		0.06	0.56	0.05	0.50	0.07	0.51
1t,2-DMCyC5		0.09	0.71	0.06	0.63	0.09	0.66
n-C7		0.38	5.32	0.25	4.34	0.32	4.22
MCyC6		0.91	6.24	0.69	5.48	0.95	5.16
1,1,3-TMCyC5		0.02	0.21	0.01	0.16	0.02	0.22
2,5-DMC6		0.04	0.62	0.03	0.53	0.04	0.49
2,4-DMC6		0.01	0.23	0.01	0.18	0.02	0.20
1t,2c,3-TMCyC5		0.00	0.09	0.00	0.07	0.00	0.09
Toluene		0.24	0.39	0.21	0.33	0.25	0.25
1,1,2-TMCyC5		0.01	0.12	0.00	0.10	0.00	0.10
2-MC7		0.06	0.89	0.04	0.73	0.05	0.74
4-MC7		0.02	0.27	0.01	0.23	0.01	0.21
?, RI is 772		0.00	0.05	0.00	0.04	0.00	0.04
3,4-DMC6		0.04	0.71	0.03	0.60	0.04	0.54
3-MC7		0.00	0.09	0.00	0.07	0.00	0.07
1c,3-DMCyC6		0.06	0.63	0.04	0.52	0.06	0.53
1t,4-DMCyC6		0.03	0.35	0.02	0.28	0.03	0.28
1c,4-DMCyC6		0.02	0.16	0.01	0.13	0.02	0.13
1t,2-DMCyC6		0.00	0.03	0.00	0.02	0.00	0.02
n-C8		0.15	2.29	0.10	1.83	0.14	1.69
?, RI is 807		0.02	0.14	0.01	0.12	0.02	0.12
?, RI is 821		0.00	0.08	0.00	0.07	0.00	0.06
2,2-DMC7		0.00	0.06	0.00	0.05	0.00	0.05
2,4-DMC7		0.01	0.15	0.01	0.13	0.00	0.13
EtCyC5		0.05	0.47	0.03	0.38	0.05	0.35
?, RI is 842		0.00	0.09	0.00	0.07	0.00	0.08
3,5-DMC7		0.00	0.02	0.00	0.00	0.00	0.02
E-Benzene		0.02	0.05	0.01	0.04	0.02	0.03
?, RI is 857		0.00	0.09	0.00	0.07	0.00	0.08
(m+p)-Xylene		0.11	0.28	0.08	0.23	0.10	0.13
?, RI is 865		0.02	0.22	0.01	0.20	0.01	0.17
4-MC8		0.01	0.15	0.01	0.15	0.01	0.12
o-Xylene		0.03	0.08	0.02	0.07	0.03	0.02
?, RI is 891		0.00	0.06	0.00	0.05	0.00	0.05
n-C9		0.04	0.52	0.03	0.44	0.04	0.38
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		25256.7	11189.7	30457.4	10428.9	22203.6	10382.8

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G6998/H 2760.00	G6998/O 2760.00	G7186/H 2790.00	G7186/O 2790.00	G7188/H 2820.00	G7188/O 2820.00
C1		32.14	1.23	28.86	2.08	30.80	2.67
C2ene		0.00	0.19	0.00	0.22	0.00	0.30
C2		13.47	0.72	13.51	1.30	13.69	1.22
C3ene		0.02	0.09	0.02	0.10	0.03	0.18
C3		22.98	5.96	24.09	8.65	22.28	6.93
i-C4		9.53	8.03	11.40	9.65	10.77	7.54
C4enes		0.00	0.04	0.00	0.02	0.00	0.07
n-C4		9.82	12.43	10.11	14.62	9.62	11.71
2,2-DMC3		0.04	0.08	0.06	0.09	0.06	0.07
i-C5		3.95	13.12	4.53	14.11	4.76	12.52
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		2.18	10.03	2.14	9.58	2.15	8.59
2,2-DMC4		0.19	1.22	0.25	1.26	0.29	1.25
CyC5		0.18	0.35	0.13	0.36	0.13	0.33
2,3-DMC4		0.18	1.40	0.24	1.50	0.28	1.60
2-MC5		0.59	5.88	0.73	5.62	0.82	6.12
3-MC5		0.36	3.33	0.42	3.18	0.48	3.48
n-C6		0.66	7.64	0.64	5.97	0.64	6.39
2,2-DMC5		0.03	0.46	0.04	0.42	0.05	0.55
MCyC5		0.59	2.73	0.46	2.43	0.49	2.50
2,4-DMC5		0.03	0.50	0.05	0.49	0.06	0.68
2,2,3-TMC4		0.01	0.11	0.01	0.12	0.02	0.16
Benzene		0.09	0.04	0.04	0.03	0.05	0.05
3,3-DMC5		0.02	0.22	0.02	0.20	0.02	0.26
CyC6		0.73	2.66	0.51	2.37	0.54	2.45
2-MC6		0.11	2.05	0.14	1.72	0.17	2.42
2,3-DMC5		0.03	0.55	0.05	0.51	0.06	0.74
1,1-DMCyC5		0.04	0.35	0.04	0.29	0.04	0.33
3-MC6		0.11	1.88	0.13	1.57	0.16	2.22
1c,3-DMCyC5		0.04	0.41	0.04	0.32	0.04	0.37
1t,3-DMCyC5		0.05	0.49	0.04	0.39	0.05	0.48
1t,2-DMCyC5		0.06	0.58	0.06	0.44	0.06	0.54
n-C7		0.23	3.97	0.20	2.56	0.19	3.38
MCyC6		0.64	4.58	0.52	3.65	0.57	4.60
1,1,3-TMCyC5		0.01	0.14	0.01	0.09	0.01	0.11
2,5-DMC6		0.03	0.50	0.03	0.40	0.04	0.68
2,4-DMC6		0.01	0.17	0.01	0.11	0.01	0.17
1t,2c,3-TMCyC5		0.00	0.06	0.00	0.03	0.00	0.04
Toluene		0.32	0.28	0.12	0.15	0.15	0.33
1,1,2-TMCyC5		0.00	0.10	0.01	0.08	0.01	0.14
2-MC7		0.04	0.68	0.04	0.49	0.04	0.84
4-MC7		0.01	0.24	0.01	0.17	0.02	0.31
?, RI is 772		0.00	0.04	0.00	0.03	0.00	0.05
3,4-DMC6		0.03	0.60	0.04	0.44	0.04	0.78
3-MC7		0.00	0.08	0.00	0.06	0.01	0.09
1c,3-DMCyC6		0.04	0.42	0.03	0.25	0.03	0.36
1t,4-DMCyC6		0.02	0.23	0.02	0.14	0.02	0.19
1c,4-DMCyC6		0.01	0.12	0.01	0.07	0.01	0.10
1t,2-DMCyC6		0.00	0.02	0.00	0.00	0.00	0.00
n-C8		0.10	1.47	0.08	0.84	0.08	1.36
?, RI is 807		0.01	0.10	0.01	0.06	0.01	0.09
?, RI is 821		0.00	0.05	0.00	0.03	0.00	0.06
2,2-DMC7		0.00	0.05	0.00	0.03	0.00	0.06
2,4-DMC7		0.01	0.10	0.01	0.06	0.01	0.11
EtCyC6		0.03	0.28	0.02	0.17	0.02	0.28
?, RI is 842		0.00	0.05	0.00	0.03	0.00	0.05
3,5-DMC7		0.00	0.01	0.00	0.00	0.00	0.00
E-Benzene		0.02	0.02	0.00	0.00	0.01	0.00
?, RI is 857		0.00	0.05	0.00	0.03	0.00	0.05
(m+p)-Xylene		0.13	0.16	0.04	0.07	0.06	0.18
?, RI is 865		0.01	0.17	0.01	0.11	0.01	0.27
4-MC8		0.01	0.12	0.01	0.08	0.01	0.18
o-Xylene		0.03	0.03	0.01	0.00	0.01	0.03
?, RI is 891		0.00	0.04	0.00	0.00	0.00	0.03
n-C9		0.03	0.31	0.02	0.16	0.02	0.34
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		30852.8	18158.6	75640.4	11182.4	46411.6	9053.0

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G7190/H 2850.00	G7190/O 2850.00	G7191/H 2865.00	G7191/O 2865.00	G7192/H 2880.00	G7192/O 2880.00
C1		35.27	1.48	30.31	2.29	36.90	2.91
C2ene		0.00	0.11	0.00	0.18	0.00	0.25
C2		16.09	1.92	16.30	1.98	15.87	2.10
C3ene		0.02	0.07	0.01	0.09	0.02	0.14
C3		21.98	11.30	23.65	10.75	20.82	11.08
i-C4		9.37	11.24	10.49	10.17	9.30	10.33
C4enes		0.00	0.03	0.00	0.00	0.00	0.06
n-C4		7.77	15.14	8.38	13.64	7.21	14.14
2,2-DMC3		0.05	0.11	0.06	0.10	0.06	0.10
i-C5		3.79	14.95	4.29	13.96	3.86	14.25
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		1.61	8.79	1.75	8.22	1.47	8.10
2,2-DMC4		0.22	1.38	0.27	1.40	0.27	1.45
CyC5		0.09	0.30	0.10	0.30	0.09	0.30
2,3-DMC4		0.21	1.55	0.24	1.59	0.23	1.58
2-MC5		0.62	5.58	0.72	5.80	0.65	5.65
3-MC5		0.36	3.13	0.42	3.27	0.38	3.21
n-C6		0.47	5.02	0.52	5.24	0.44	4.68
2,2-DMC5		0.04	0.43	0.05	0.50	0.04	0.51
MCyC5		0.32	1.86	0.34	1.92	0.32	1.82
2,4-DMC5		0.04	0.50	0.05	0.56	0.05	0.57
2,2,3-TMC4		0.01	0.13	0.02	0.15	0.02	0.15
Benzene		0.03	0.05	0.05	0.10	0.07	0.13
3,3-DMC5		0.02	0.20	0.02	0.23	0.02	0.24
CyC6		0.33	1.74	0.37	1.83	0.38	1.79
2-MC6		0.12	1.64	0.15	1.94	0.13	1.81
2,3-DMC5		0.04	0.49	0.05	0.57	0.05	0.58
1,1-DMCyC5		0.03	0.25	0.03	0.26	0.03	0.22
3-MC6		0.11	1.49	0.14	1.76	0.12	1.66
1c,3-DMCyC5		0.03	0.24	0.03	0.26	0.02	0.23
1t,3-DMCyC5		0.03	0.31	0.04	0.34	0.03	0.31
1t,2-DMCyC5		0.04	0.35	0.04	0.36	0.04	0.32
n-C7		0.14	2.01	0.16	2.31	0.14	1.92
MCyC6		0.35	2.69	0.39	3.00	0.38	2.86
1,1,3-TMCyC5		0.01	0.07	0.01	0.07	0.01	0.06
2,5-DMC6		0.03	0.37	0.04	0.46	0.03	0.45
2,4-DMC6		0.01	0.09	0.01	0.11	0.01	0.11
1t,2c,3-TMCyC5		0.00	0.02	0.00	0.02	0.00	0.00
Toluene		0.10	0.21	0.14	0.58	0.21	0.63
1,1,2-TMCyC5		0.01	0.07	0.01	0.09	0.01	0.09
2-MC7		0.03	0.44	0.04	0.54	0.04	0.51
4-MC7		0.01	0.16	0.02	0.20	0.01	0.19
?, RI is 772		0.00	0.03	0.00	0.03	0.00	0.03
3,4-DMC6		0.03	0.40	0.04	0.51	0.04	0.48
3-MC7		0.00	0.05	0.00	0.06	0.00	0.05
1c,3-DMCyC6		0.02	0.17	0.02	0.19	0.02	0.17
1t,4-DMCyC6		0.01	0.09	0.01	0.10	0.01	0.09
1c,4-DMCyC6		0.01	0.06	0.01	0.06	0.01	0.05
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.05	0.62	0.06	0.76	0.06	0.64
?, RI is 807		0.00	0.04	0.01	0.04	0.00	0.04
?, RI is 821		0.00	0.03	0.00	0.04	0.00	0.03
2,2-DMC7		0.00	0.03	0.00	0.03	0.00	0.03
2,4-DMC7		0.00	0.05	0.00	0.06	0.00	0.05
EtCyC6		0.01	0.12	0.02	0.15	0.01	0.13
?, RI is 842		0.00	0.02	0.00	0.03	0.00	0.02
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.03	0.01	0.02
?, RI is 857		0.00	0.02	0.00	0.02	0.00	0.02
(m+p)-Xylene		0.04	0.08	0.05	0.26	0.07	0.24
?, RI is 865		0.01	0.11	0.01	0.15	0.01	0.14
4-MC8		0.01	0.08	0.01	0.10	0.01	0.10
o-Xylene		0.01	0.01	0.01	0.05	0.01	0.04
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.01	0.12	0.02	0.17	0.02	0.15
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		79357.1	19411.1	88356.4	11250.7	39543.6	9981.2

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G7193/H 2895.00	G7193/O 2895.00	G7194/H 2910.00	G7194/O 2910.00	G7196/H 2940.00	G7196/O 2940.00
C1		36.63	2.94	38.59	3.67	57.73	3.80
C2ene		0.00	0.19	0.00	0.30	0.00	0.26
C2		17.24	2.44	18.33	3.36	17.60	4.73
C3ene		0.03	0.10	0.03	0.19	0.04	0.20
C3		21.10	12.63	20.76	16.20	14.77	24.91
i-C4		9.13	11.71	8.46	13.63	4.82	19.64
C4enes		0.00	0.00	0.00	0.08	0.00	0.00
n-C4		6.66	14.34	5.68	14.86	2.47	15.52
2,2-DMC3		0.06	0.12	0.07	0.14	0.05	0.26
i-C5		3.59	14.56	3.13	13.99	1.13	12.43
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		1.32	7.62	1.06	6.72	0.32	4.44
2,2-DMC4		0.27	1.58	0.27	1.53	0.14	1.92
CyC5		0.09	0.25	0.08	0.23	0.03	0.18
2,3-DMC4		0.22	1.63	0.20	1.45	0.06	0.99
2-MC5		0.62	5.65	0.54	4.85	0.16	2.68
3-MC5		0.37	3.18	0.33	2.71	0.10	1.55
n-C6		0.39	4.21	0.31	3.16	0.06	1.18
2,2-DMC5		0.05	0.56	0.05	0.49	0.02	0.32
MCyC5		0.28	1.45	0.24	1.15	0.07	0.62
2,4-DMC5		0.05	0.60	0.04	0.51	0.01	0.23
2,2,3-TMC4		0.02	0.18	0.02	0.16	0.00	0.11
Benzene		0.07	0.09	0.11	0.12	0.05	0.21
3,3-DMC5		0.02	0.25	0.02	0.22	0.01	0.16
CyC6		0.34	1.40	0.31	1.13	0.10	0.69
2-MC6		0.14	1.82	0.12	1.39	0.03	0.47
2,3-DMC5		0.05	0.58	0.05	0.48	0.02	0.23
1,1-DMCyC5		0.02	0.18	0.02	0.13	0.00	0.00
3-MC6		0.13	1.63	0.12	1.25	0.03	0.44
1c,3-DMCyC5		0.02	0.17	0.02	0.12	0.00	0.00
1t,3-DMCyC5		0.03	0.26	0.02	0.19	0.00	0.06
1t,2-DMCyC5		0.03	0.25	0.03	0.18	0.00	0.05
n-C7		0.13	1.69	0.10	1.11	0.02	0.24
MCyC6		0.33	2.12	0.29	1.58	0.09	0.65
1,1,3-TMCyC5		0.00	0.04	0.00	0.03	0.00	0.00
2,5-DMC6		0.04	0.45	0.04	0.36	0.00	0.12
2,4-DMC6		0.01	0.09	0.01	0.08	0.00	0.00
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.19	0.32	0.27	0.32	0.07	0.40
1,1,2-TMCyC5		0.01	0.09	0.01	0.07	0.00	0.00
2-MC7		0.04	0.49	0.04	0.36	0.00	0.08
4-MC7		0.01	0.18	0.01	0.13	0.00	0.00
?, RI is 772		0.00	0.03	0.00	0.03	0.00	0.00
3,4-DMC6		0.04	0.46	0.04	0.34	0.01	0.08
3-MC7		0.00	0.06	0.00	0.04	0.00	0.00
1c,3-DMCyC6		0.01	0.11	0.01	0.08	0.00	0.00
1t,4-DMCyC6		0.01	0.06	0.00	0.04	0.00	0.00
1c,4-DMCyC6		0.01	0.04	0.00	0.02	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.05	0.53	0.04	0.34	0.01	0.07
?, RI is 807		0.00	0.03	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.03	0.00	0.02	0.00	0.00
2,2-DMC7		0.00	0.03	0.00	0.02	0.00	0.00
2,4-DMC7		0.00	0.04	0.00	0.03	0.00	0.00
EtCyC6		0.02	0.11	0.01	0.09	0.00	0.00
?, RI is 842		0.00	0.02	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.01	0.00	0.01	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.05	0.09	0.07	0.09	0.01	0.09
?, RI is 865		0.02	0.13	0.01	0.11	0.00	0.00
4-MC8		0.01	0.08	0.01	0.07	0.00	0.00
o-Xylene		0.01	0.00	0.01	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.02	0.10	0.01	0.08	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)]		51576.8	10395.4	31070.6	9395.8	24501.5	3885.2

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G7197/H	G7197/O	G7198/H	G7198/O	G7199/H	G7199/O
		2955.00	2955.00	2970.00	2970.00	2985.00	2985.00
C1		56.38	8.66	66.23	7.65	23.87	54.08
C2ene		0.01	0.95	0.02	0.30	0.00	0.10
C2		19.76	3.74	15.37	7.12	5.94	0.71
C3ene		0.04	0.69	0.05	0.25	0.00	0.00
C3		15.08	21.38	11.02	30.53	18.81	1.10
i-C4		4.44	19.42	3.33	15.71	17.14	2.66
C4enes		0.00	0.26	0.00	0.00	0.00	0.00
n-C4		2.18	14.73	1.91	17.09	14.21	3.48
2,2-DMC3		0.04	0.33	0.03	0.12	0.00	0.00
i-C5		0.92	12.26	0.79	8.14	7.13	5.07
C5enes		0.00	0.03	0.00	0.00	0.00	0.00
n-C5		0.26	4.36	0.25	3.95	3.96	4.11
2,2-DMC4		0.12	2.23	0.10	0.92	0.00	0.29
Cyc5		0.03	0.16	0.03	0.21	0.38	0.16
2,3-DMC4		0.05	0.98	0.04	0.51	0.33	0.56
2-MC5		0.12	2.62	0.09	1.53	1.22	2.80
3-MC5		0.08	1.50	0.06	0.91	0.70	1.42
n-C6		0.05	1.15	0.06	0.85	1.26	3.70
2,2-DMC5		0.01	0.34	0.00	0.19	0.00	0.16
MCyc5		0.06	0.56	0.09	0.64	1.13	1.39
2,4-DMC5		0.00	0.24	0.00	0.13	0.00	0.00
2,2,3-TMC4		0.01	0.11	0.00	0.00	0.00	0.22
Benzene		0.04	0.07	0.06	0.30	0.00	0.00
3,3-DMC5		0.01	0.18	0.00	0.11	0.00	0.08
Cyc6		0.09	0.59	0.15	0.81	1.44	1.49
2-MC6		0.02	0.43	0.02	0.29	0.24	1.17
2,3-DMC5		0.01	0.22	0.00	0.15	0.00	0.40
1,1-DMCyc5		0.00	0.04	0.00	0.00	0.00	0.17
3-MC6		0.02	0.40	0.02	0.28	0.00	0.99
1c,3-DMCyc5		0.00	0.04	0.00	0.00	0.00	0.31
1t,3-DMCyc5		0.00	0.06	0.00	0.00	0.00	0.34
1t,2-DMCyc5		0.00	0.06	0.00	0.00	0.00	0.47
n-C7		0.01	0.21	0.03	0.17	0.43	2.62
MCyc6		0.07	0.52	0.12	0.73	1.56	3.39
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.17
2,5-DMC6		0.00	0.11	0.00	0.00	0.00	0.30
2,4-DMC6		0.00	0.03	0.00	0.00	0.00	0.18
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.13
Toluene		0.06	0.13	0.09	0.41	0.24	0.29
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.09
2-MC7		0.00	0.07	0.00	0.00	0.00	0.74
4-MC7		0.00	0.00	0.00	0.00	0.00	0.14
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.06	0.00	0.00	0.00	0.39
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.50
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.21
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.08
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.01	0.05	0.02	0.00	0.00	1.48
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.10
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.12
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.34
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.12
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.12
(m+p)-Xylene		0.01	0.04	0.02	0.00	0.00	0.19
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.17
4-MC8		0.00	0.00	0.00	0.00	0.00	0.13
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.07
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.06
n-C9		0.00	0.00	0.00	0.00	0.00	0.40
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		25927.4	7163.8	17620.4	2642.8	866.5	3424.7

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G7200/H 3000.00	G7200/O 3000.00	G7202/H 3030.00	G7202/O 3030.00	G7203/H 3045.00	G7203/O 3045.00
C1		68.04	68.42	84.96	51.42	83.05	53.51
C2ene		0.00	0.40	0.00	0.23	0.00	0.55
C2		9.20	3.72	7.46	10.10	9.68	10.88
C3ene		0.18	0.30	0.01	0.00	0.00	0.50
C3		9.61	6.94	3.50	12.06	3.84	12.49
i-C4		4.53	3.08	1.41	4.57	1.38	5.46
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		3.46	5.98	1.05	4.73	0.89	4.53
2,2-DMC3		0.06	0.00	0.04	0.14	0.05	0.23
i-C5		1.88	2.67	0.60	3.60	0.46	3.57
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.81	2.44	0.22	1.55	0.15	1.19
2,2-DMC4		0.16	0.24	0.09	0.84	0.11	1.00
CyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.11	0.22	0.04	0.44	0.04	0.41
2-MC5		0.34	0.96	0.12	1.52	0.09	1.12
3-MC5		0.21	0.55	0.07	0.88	0.05	0.68
n-C6		0.27	1.16	0.07	0.91	0.04	0.52
2,2-DMC5		0.00	0.00	0.02	0.33	0.00	0.30
MCyC5		0.19	0.38	0.05	0.41	0.04	0.29
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.26	0.00	0.21
Benzene		0.07	0.00	0.00	0.16	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.19	0.00	0.00
CyC6		0.29	0.50	0.06	0.54	0.06	0.47
2-MC6		0.07	0.33	0.04	0.67	0.00	0.40
2,3-DMC5		0.00	0.00	0.02	0.32	0.00	0.23
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.06	0.29	0.03	0.62	0.00	0.38
1c,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.09	0.39	0.03	0.49	0.00	0.21
MCyC6		0.27	0.87	0.09	1.31	0.09	0.87
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.38	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.15	0.00	0.00
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.08	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.33	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.01	0.26	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC6		0.00	0.00	0.00	0.15	0.00	0.00
1t,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.16	0.02	0.28	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6		0.00	0.00	0.00	0.17	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		3409.3	1550.5	15120.8	1393.2	5269.9	1115.7

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G7204/H 3060.00	G7204/O 3060.00	G7206/H 3090.00	G7206/O 3090.00	G7209/H 3135.00	G7209/O 3135.00
C1		77.95	55.73	43.71	34.17	76.61	79.65
C2ene		0.00	0.26	0.19	0.33	0.18	1.94
C2		10.01	4.76	8.49	1.36	17.71	7.96
C3ene		0.00	0.16	0.44	0.00	1.23	2.35
C3		6.42	8.53	16.64	4.65	3.54	4.59
i-C4		2.55	3.80	13.17	6.06	0.50	0.57
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		1.41	4.84	8.36	8.35	0.23	0.87
2,2-DMC3		0.05	0.00	0.09	0.00	0.00	0.00
i-C5		0.75	3.34	3.99	7.39	0.00	0.81
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.22	2.05	1.71	5.56	0.00	0.46
2,2-DMC4		0.10	0.49	0.18	0.40	0.00	0.00
CyC5		0.00	0.00	0.09	0.27	0.00	0.00
2,3-DMC4		0.04	0.36	0.16	0.69	0.00	0.00
2-MC5		0.12	1.53	0.57	3.31	0.00	0.00
3-MC5		0.07	0.85	0.30	1.67	0.00	0.00
n-C6		0.06	1.55	0.49	4.13	0.00	0.37
2,2-DMC5		0.00	0.22	0.00	0.00	0.00	0.00
MCyC5		0.06	0.62	0.28	1.87	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.18	0.00	0.25	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.09	0.89	0.31	1.92	0.00	0.00
2-MC6		0.00	0.83	0.11	1.46	0.00	0.00
2,3-DMC5		0.00	0.30	0.00	0.50	0.00	0.00
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.74	0.10	1.23	0.00	0.00
1c,3-DMCyC5		0.00	0.00	0.00	0.37	0.00	0.00
1t,3-DMCyC5		0.00	0.19	0.00	0.42	0.00	0.00
1t,2-DMCyC5		0.00	0.24	0.00	0.56	0.00	0.00
n-C7		0.00	1.24	0.17	2.96	0.00	0.00
MCyC6		0.10	2.08	0.32	4.22	0.00	0.44
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.40	0.00	0.24	0.00	0.00
2,4-DMC6		0.00	0.16	0.00	0.00	0.00	0.00
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.19	0.06	0.38	0.00	0.00
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.59	0.00	0.93	0.00	0.00
4-MC7		0.00	0.15	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.43	0.00	0.55	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC6		0.00	0.29	0.00	0.58	0.00	0.00
1t,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.85	0.07	1.76	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6		0.00	0.35	0.00	0.47	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.24	0.00	0.00
?, RI is 865		0.00	0.28	0.00	0.26	0.00	0.00
4-MC8		0.00	0.22	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.27	0.00	0.48	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		5492.7	1353.6	4429.9	837.2	1944.8	535.2

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G7211/H 3165.00	G7211/O 3165.00	G7212/H 3180.00	G7212/O 3180.00	G7213/H 3195.00	G7213/O 3195.00
C1		84.09	69.21	90.14	83.87	91.89	65.15
C2ene		0.21	1.19	0.07	0.65	0.06	0.54
C2		12.15	10.48	8.70	8.27	7.35	11.15
C3ene		0.85	2.56	0.37	1.30	0.19	0.69
C3		2.08	5.53	0.65	2.52	0.45	4.83
i-C4		0.42	1.60	0.07	0.67	0.06	3.03
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		0.19	1.72	0.00	0.59	0.00	2.34
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	2.50	0.00	0.75	0.00	3.28
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	1.00	0.00	0.23	0.00	1.16
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.29
CyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.37
2-MC5		0.00	1.04	0.00	0.33	0.00	1.34
3-MC5		0.00	0.55	0.00	0.19	0.00	0.70
n-C6		0.00	0.51	0.00	0.13	0.00	0.67
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyC5		0.00	0.37	0.00	0.00	0.00	0.45
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.00	0.56	0.00	0.14	0.00	0.63
2-MC6		0.00	0.00	0.00	0.00	0.00	0.38
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.22
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.32
1c,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.19
n-C7		0.00	0.00	0.00	0.00	0.00	0.30
MCyC6		0.00	1.17	0.00	0.35	0.00	1.42
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.18
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.18
1t,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.22
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		2254.6	618.9	6635.0	1572.7	6446.8	1247.2

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G7216/H 3240.00	G7216/O 3240.00	G7218/H 3270.00	G7218/O 3270.00	G7220/H 3300.00	G7220/O 3300.00
C1		93.08	85.91	94.50	86.14	96.81	87.35
C2ene		0.00	0.35	0.07	0.30	0.04	0.35
C2		3.37	5.83	3.18	6.47	2.69	7.52
C3ene		0.07	0.23	0.16	0.26	0.10	0.52
C3		1.18	2.53	0.91	2.71	0.26	2.20
i-C4		1.01	1.19	0.62	1.50	0.11	1.03
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		0.37	1.04	0.18	0.99	0.00	0.51
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
1-C5		0.47	0.79	0.24	0.82	0.00	0.41
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.13	0.49	0.04	0.30	0.00	0.10
2,2-DMC4		0.05	0.00	0.04	0.00	0.00	0.00
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.10	0.29	0.04	0.23	0.00	0.00
3-MC5		0.06	0.17	0.00	0.13	0.00	0.00
n-C6		0.06	0.38	0.00	0.14	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.16	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.23	0.00	0.00	0.00	0.00
MCyc6		0.05	0.26	0.04	0.00	0.00	0.00
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.16	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		4824.7	1338.6	6010.0	1591.4	5879.9	2171.4

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G7222/H 3330.00	G7222/O 3330.00	G7224/H 3360.00	G7224/O 3360.00	G7226/H 3390.00	G7226/O 3390.00
C1		97.41	89.98	96.21	86.47	94.29	81.57
C2ene		0.02	0.29	0.00	0.85	0.00	2.23
C2		2.36	6.85	3.45	8.66	5.23	9.40
C3ene		0.02	0.29	0.04	0.73	0.00	2.90
C3		0.16	1.60	0.26	2.18	0.48	2.88
i-C4		0.03	0.53	0.04	0.46	0.00	0.41
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		0.00	0.27	0.00	0.42	0.00	0.62
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	0.18	0.00	0.00	0.00	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.22	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		15284.7	2176.8	5018.3	1002.5	537.0	501.4

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G7228/H 3420.00	G7228/O 3420.00	G7231/H 3465.00	G7231/O 3465.00	G7232/H 3480.00	G7232/O 3480.00
C1		89.55	85.36	100.00	79.51	92.81	78.54
C2ene		0.00	1.48	0.00	1.30	0.13	2.26
C2		8.94	7.85	0.00	9.88	6.05	11.24
C3ene		0.19	1.05	0.00	2.96	0.28	2.71
C3		1.08	3.15	0.00	4.89	0.63	4.14
i-C4		0.24	0.47	0.00	0.66	0.10	0.48
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		0.00	0.63	0.00	0.80	0.00	0.63
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	0.00	0.00	0.00	0.00	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
CyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		1897.2	443.0	999.0	400.3	3607.4	436.5

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G7234/H 3510.00	G7234/O 3510.00	G7236/H 3540.00	G7236/O 3540.00	G7237/H 3555.00	G7237/O 3555.00
C1		91.98	79.35	93.80	81.32	96.63	90.91
C2ene		0.05	1.88	0.00	2.60	0.32	0.84
C2		6.56	10.60	5.54	10.15	2.37	4.56
C3ene		0.26	2.22	0.20	2.28	0.37	1.28
C3		0.91	4.76	0.46	3.25	0.31	1.55
i-C4		0.17	0.55	0.00	0.00	0.00	0.44
C4enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		0.07	0.65	0.00	0.40	0.00	0.43
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	0.00	0.00	0.00	0.00	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
CyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		4294.9	535.1	1974.4	600.3	2343.4	639.9

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G7238/H 3570.00	G7238/O 3570.00	G7240/H 3600.00	G7240/O 3600.00	G7242/H 3630.00	G7242/O 3630.00
C1		95.55	93.44	95.64	85.90	93.81	83.12
C2ene		0.54	0.00	0.13	1.76	0.09	1.87
C2		3.05	6.56	3.59	7.01	4.76	8.78
C3ene		0.42	0.00	0.23	1.65	0.18	1.41
C3		0.36	0.00	0.34	2.10	0.72	2.49
i-C4		0.08	0.00	0.07	0.57	0.26	0.70
C4enes		0.00	0.00	0.00	0.28	0.00	0.55
n-C4		0.00	0.00	0.00	0.46	0.09	0.67
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	0.00	0.00	0.27	0.10	0.40
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation: ppm (vol)		3690.5	51.1	3257.6	923.6	2863.4	823.5

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G7244/H 3660.00	G7244/O 3660.00	G7246/H 3690.00	G7246/O 3690.00	G7248/H 3720.00	G7248/O 3720.00
C1		95.31	85.72	95.23	83.98	94.78	83.55
C2ene		0.02	0.83	0.09	1.83	0.38	2.33
C2		3.89	8.58	4.11	7.57	4.19	8.12
C3ene		0.06	1.02	0.17	1.79	0.20	2.05
C3		0.40	2.11	0.31	2.59	0.31	2.48
i-C4		0.18	0.47	0.09	0.64	0.09	0.50
C4enes		0.03	0.00	0.00	0.35	0.06	0.44
n-C4		0.05	0.58	0.00	0.66	0.00	0.54
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-c5		0.06	0.00	0.00	0.59	0.00	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	0.32	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.37	0.00	0.00	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		11832.6	660.1	4141.9	627.5	3913.4	554.8

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID	G7250/H	G7250/O	G7252/H	G7252/O	G7255/H	G7255/O
	DEPTH (m)	3750.00	3750.00	3780.00	3780.00	3825.00	3825.00
C1		94.24	84.46	90.96	83.25	91.22	87.34
C2ene		0.09	1.71	2.71	3.28	0.19	0.90
C2		4.72	7.80	0.33	7.06	6.19	6.42
C3ene		0.23	1.68	4.64	2.28	0.29	1.08
C3		0.48	2.71	0.26	2.47	1.20	2.61
i-C4		0.08	0.48	0.82	0.00	0.43	0.51
C4enes		0.17	0.76	0.28	1.13	0.24	0.45
n-C4		0.00	0.42	0.00	0.53	0.14	0.68
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	0.00	0.00	0.00	0.10	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
CyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		3291.4	750.9	3295.0	416.4	2827.4	521.4

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G7257/H 3855.00	G7257/O 3855.00	G7258/H 3870.00	G7258/O 3870.00	G7261/H 3915.00	G7261/O 3915.00
C1		94.31	82.92	94.41	79.90	95.40	86.91
C2ene		0.07	1.73	0.12	2.95	0.21	2.66
C2		4.80	9.82	4.46	9.99	3.90	6.32
C3ene		0.15	1.29	0.19	2.19	0.19	1.83
C3		0.46	3.07	0.61	3.77	0.30	1.69
i-C4		0.14	0.58	0.12	0.00	0.00	0.00
C4enes		0.08	0.58	0.09	0.64	0.00	0.58
n-C4		0.00	0.00	0.00	0.55	0.00	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	0.00	0.00	0.00	0.00	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
CyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		4483.7	428.7	4051.6	379.5	1365.3	408.8

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G7262/H	G7262/O	G7264/H	G7264/O	G7266/H	G7266/O
		3930.00	3930.00	3960.00	3960.00	3990.00	3990.00
C1		94.60	85.96	88.89	93.77	96.28	87.12
C2ene		0.25	2.69	0.90	0.00	0.30	2.62
C2		4.18	6.58	5.87	3.40	2.75	4.80
C3ene		0.28	2.00	1.42	1.18	0.20	1.75
C3		0.35	1.75	1.34	1.66	0.23	1.74
i-C4		0.13	0.00	0.73	0.00	0.14	0.49
C4enes		0.19	1.02	0.59	0.00	0.09	0.98
n-C4		0.00	0.00	0.00	0.00	0.00	0.50
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	0.00	0.26	0.00	0.00	0.00
C5enes		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
MCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
Cyc6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,3-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2c,3-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyc5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 772		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1c,3-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1c,4-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
1t,2-DMCyc6		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 821		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
EtCyc6		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 842		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 857		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 865		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 891		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:							
ppm (vol)		1728.4	434.8	825.8	317.6	2870.8	530.0

IKU Project 22.2123.00

Norsk Hydro well 7316/5-1

COMPOSITION OF HYDROCARBONS IN HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent)

COMPOUND	SAMPLE-ID DEPTH (m)	G7268/H	G7268/O
		4020.00	4020.00
C1		95.52	87.31
C2ene		0.22	3.07
C2		2.68	4.52
C3ene		0.16	1.90
C3		0.38	1.47
1-C4		0.52	0.00
C4enes		0.29	1.10
n-C4		0.00	0.63
2,2-DMC3		0.00	0.00
1-C5		0.23	0.00
C5enes		0.00	0.00
n-C5		0.00	0.00
2,2-DMC4		0.00	0.00
CyC5		0.00	0.00
2,3-DMC4		0.00	0.00
2-MC5		0.00	0.00
3-MC5		0.00	0.00
n-C6		0.00	0.00
2,2-DMC5		0.00	0.00
MCyC5		0.00	0.00
2,4-DMC5		0.00	0.00
2,2,3-TMC4		0.00	0.00
Benzene		0.00	0.00
3,3-DMC5		0.00	0.00
CyC6		0.00	0.00
2-MC6		0.00	0.00
2,3-DMC5		0.00	0.00
1,1-DMCyC5		0.00	0.00
3-MC6		0.00	0.00
1c,3-DMCyC5		0.00	0.00
1t,3-DMCyC5		0.00	0.00
1t,2-DMCyC5		0.00	0.00
n-C7		0.00	0.00
MCyC6		0.00	0.00
1,1,3-TMCyC5		0.00	0.00
2,5-DMC6		0.00	0.00
2,4-DMC6		0.00	0.00
1t,2c,3-TMCyC5		0.00	0.00
Toluene		0.00	0.00
1,1,2-TMCyC5		0.00	0.00
2-MC7		0.00	0.00
4-MC7		0.00	0.00
?, RI is 772		0.00	0.00
3,4-DMC6		0.00	0.00
3-MC7		0.00	0.00
1c,3-DMCyC6		0.00	0.00
1t,4-DMCyC6		0.00	0.00
1c,4-DMCyC6		0.00	0.00
1t,2-DMCyC6		0.00	0.00
n-C8		0.00	0.00
?, RI is 807		0.00	0.00
?, RI is 821		0.00	0.00
2,2-DMC7		0.00	0.00
2,4-DMC7		0.00	0.00
EtCyC6		0.00	0.00
?, RI is 842		0.00	0.00
3,5-DMC7		0.00	0.00
E-Benzene		0.00	0.00
?, RI is 857		0.00	0.00
(m+p)-Xylene		0.00	0.00
?, RI is 865		0.00	0.00
4-MC8		0.00	0.00
o-Xylene		0.00	0.00
?, RI is 891		0.00	0.00
n-C9		0.00	0.00
SUM:		100.0	100.0
Values used for normalisation:			
ppm (vol)		1905.4	452.7

04-740

3

POSTADRESSE	KJELLER Boks 40, 2007 Kjeller	HALDEN Boks 173, 1751 Halden,	TILGJENGELIGHET Fortrolig	
TELEFON	+47 6 806000	+47 9 183100		
TELEKS	74 573 energ n	76 335 energ n		
TELEFAKS	+47 6 815553			
RAPPORT TYPE	RAPPORT NR. IFE/KR/F-92/159	DATO 1992-11-23		
	RAPPORTTITTEL ISOTOPANALYSER, BRØNN 7316/5-1 DATARAPPORT	DATO FOR SISTE REV.		
		REV. NR.		
	OPPDRAGSGIVER Norsk Hydro a.s.	ANTALL SIDER 13		
	OPPDRAGSGIVERS REF. NHT-B44-00541-00	ANTALL EKS 15		
SAMMENDRAG 3 gassprøver; dykkeflaske, RFT 1350 m og flaske 3610A 1338.5 - 1350.0 m MD RKB samt 27 headspacebokser (canned cuttings) fra brønn 7316/5-1 er mottatt og analysert i løpet av september, oktober og november 1992. C ₁ - C ₅ og CO ₂ er kvantifisert. ¹³ C/ ¹² C isotopforholdet av C ₁ - C ₄ er bestemt i alle prøver hvor konsentrasjonen av enkeltkomponentene har vært tilstrekkelig. I tillegg er D/H isotopforholdet av metan bestemt i flertallet av prøvene.		DISTRIBUSJON Norsk Hydro (10) Andresen, B. Råheim, A. Thronsen, T. Arkiv (2)		
STIKKORD		<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> BA-92-2517-1 9 0 NOV 1992 [Stamp] [Stamp] </div>		
NAVN		DATO	SIGNATUR	
UTARBEIDET AV	Bjørg Andresen	1992-11-23	Bjørg Andresen	
KONTROLLERT AV	Torbjørn Thronsen	1992-11-23	Torbjørn Thronsen	
GODKJENT AV	Arne Råheim	1992-11-23	Arne Råheim	

INNHold

Side

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1 INNLEDNING

3 gassprøver; dykkeflaske, RFT 1350 m og flaske 3610A 1338.5 - 1350.0 m MD RKB samt 27 headspacebokser (canned cuttings) fra brønn 7316/5-1 er mottatt og analysert i løpet av september, oktober og november 1992.

C₁ - C₅ og CO₂ er kvantifisert. ¹³C/¹²C isotopforholdet av C₁ - C₄ er bestemt i alle prøver hvor konsentrasjonen av enkeltkomponentene har vært tilstrekkelig. I tillegg er D/H isotopforholdet av metan bestemt i flertallet av prøvene.

2 ANALYSEPROSEDYRER

Gassprøvene er kvantifisert gass-kromatografisk på en Porapak QS kolonne og varmetråds-/flammeionisasjon-detektor. Headspaceboksene er ristet på ristemaskin i ca. 2 timer før 1 ml av headspacegassen er samlet med sprøyte for kvantifisering. Deteksjonsgrenser for bestemmelse av hydrokarboner er 0.01 µl/ml (10 ppm) og 0.01 µl/ml (100 ppm) av CO₂.

For isotopbestemmelser er ca. 20 ml av gassprøvene separert gass-kromatografisk, og de forskjellige hydrokarbon komponentene er forbrent i individuelle CuO ovner ved 850°C. Forbrenningsproduktene CO₂ og H₂O er samlet og separert ved hjelp av ulike kjølefeller. CO₂ opprinnelig tilstede i prøvene er samlet direkte etter separasjonen for massespektrometrisk analyse.

Vann dannet ved forbrenningen av metan er redusert med Zn i kvarts ampuller for å danne hydrogen for isotopbestemmelser.

Isotopbestemmelsene er foretatt på Finnigan MAT 251 and Finnigan Delta massepektrometere. IFEs verdi på NBS 22 er $29.77 \pm .06\text{‰}$ PDB.

3 RESULTATER

Tabell 1 viser volumsammensetningen av RFT - DST gassprøvene. Resultatene er normaliserte. Tabell 2 viser isotopsammensetningen av de samme gassprøvene. Tabell 3 viser konsentrasjonen av de ulike komponentene, tabell 4 normalisert volumsammensetning og tabell 5 isotopsammensetningen av headspacegassen.

Usikkerheten i $\delta^{13}\text{C}$ verdien (bestemt ved gjentatt analyse av standard gass) er $\pm 0.3\text{‰}$ PDB og inkluderer all analysetrinn. Tilsvarende usikkerhet i δD verdien er $\pm 5\text{‰}$ SMOW.

nd i tabellene indikerer at disse resultatene ligger under deteksjonsgrensene eller at det har vært for lite for isotopbestemmelse.

På grunn av lave konsentrasjoner er $i\text{C}_4$ og $n\text{C}_4$ fra gassprøvene og headspacegassen isotopbestemt i en fraksjon. $\delta^{13}\text{C}$ verdien av C_4 fra gassprøve 1338.5 - 1350.0 m MD RKB (markert med * i tabell 2) er svært lett og skyldes trolig at det er analysert på en svært liten gassmengde og ikke naturlige forhold.

To av headspace prøvene (1365m og 3150m, markert med ** i tabell 5) skiller seg ut fra de resterende med hensyn til karbonisotopsammensetningen av metan. Trolig skyldes dette at disse to prøvene inneholdt svært lite metan (lav konsentrasjon i headspacegassen), og tidligere analyser har vist at bestemmelser av svært små gassmengder ofte gir en for tung isotopsammensetning. Bakterier i headspaceboksen (mangelfull tilsetning av baktericid ved prøvetaking) vil også medføre en anrikning av den tunge isotopen.

Resultatene er plottet mot dybde i figurene 1 - 5. Figur 6 og 7 viser isotopdata plottet i diagram etter Schoell (1983).

4 LITTERATUR

Schoell, M. (1983). Genetic characterisation of natural gases. *The American Association of Petroleum Geologists Bulletin*, **67**, 2225-2238.

Tabell 1. Volumsammensetning av gassprøver fra brønn 7316/5-1.

Sample	IFE no	C ₁ %	C ₂ %	C ₃ %	iC ₄ %	nC ₄ %	iC ₅ %	nC ₅ %	CO ₂ %	ΣC ₁ -C ₅	Wet- ness	iC ₄ / nC ₄
Dykkeflaske	11163	100								100		
RFT 1350m	11164	98.8	0.4	0.2	0.04	0.05	0.02	0.02	0.6	99.4	0.01	0.80
1338.5 - 1350.0m MD RKB	11429	99.2	0.2	0.1	0.02	0.02	0.01	0.01	0.5	99.5	0.003	0.80

Tabell 2. Isotopsammensetning av gassprøver fra brønn 7316/5-1.

Sample	IFE no	C ₁ δ ¹³ C ‰ PDB	C ₁ δ D ‰ SMOW	C ₂ δ ¹³ C ‰ PDB	C ₃ δ ¹³ C ‰ PDB	C ₄ δ ¹³ C ‰ PDB	CO ₂ δ ¹³ C ‰ PDB	CO ₂ δ ¹⁸ O ‰ PDB
Dykkeflaske	11163	-65.2	-195					
RFT 1350m	11164	-62.7	-175	-41.7	-26.8	-27.1	-4.6	-15.6
1338.5 - 1350.0m MD RKB	11429	-62.2	-212	-43.9	-29.0	-38.9*	-2.2	-3.8
				-44.1	-28.5	-38.8*	-4.9	-4.4
				-43.9	-28.6	-39.6*	-3.5	-4.4

Tabell 3: Konsentrasjon av gasskomponenter i headspacegass, brønn 7316/5-1.

Depth m	IKU no.	IFE no.	C ₁ ppm	C ₂ ppm	C ₃ ppm	iC ₄ ppm	nC ₄ ppm	iC ₅ ppm	nC ₅ ppm	CO ₂ ppm
945	G6877	11166	44300	20	nd	nd	nd	nd	nd	nd
975	G6879	11167	16700	35	nd	nd	nd	nd	nd	nd
1005	G6881	11168	51200	100	18	nd	nd	nd	nd	nd
1035	G6883	11169	11800	10	nd	nd	nd	nd	nd	nd
1065	G6885	11170	30500	30	14	nd	nd	nd	nd	nd
1095	G6887	11171	25600	30	nd	nd	nd	nd	nd	
1155	G6891	11172	17700	50	nd	nd	nd	nd	nd	5900
1275	G6899	11173	44300	220	nd	nd	nd	nd	nd	140700
1365	G6905	11174	770	46	nd	nd	nd	nd	nd	910
1470	G6912	11175	2700	80	nd	nd	nd	nd	nd	5800
1530	G6916	11176	65900	850	530	280	180	180	60	61800
1605	G6921	11177	90500	2400	2800	1300	1100	880	510	60600
1695	G6927	11178	39400	1900	1400	520	220	160	60	41200
1785	G6933	11179	27100	710	860	550	370	190	130	44900
1905	G6941	11180	21200	1010	1040	810	180	130	90	44900
2025	G6949	11181	7600	440	610	590	120	180	50	13600
2175	G6959	11182	8100	690	2100	2700	1300	680	280	9400
2295	G6967	11183	14300	1000	4700	3900	3500	1500	980	4400
2445	G6977	11184	9300	970	3900	2500	3800	1700	1500	11500
2625	G6989	11185	12800	2400	8600	5400	6800	2600	2200	13300
2925	G7195	11358	8600	3600	2900	1700	1200	560	230	10600
3015	G7201	11359	3100	190	50	19	11	nd	nd	nd
3075	G7205	11360	2500	290	160	80	16	nd	nd	nd
3150	G7210	11361	600	90	16	nd	nd	nd	nd	nd
3495	G7233	11362	3400	110	nd	nd	nd	nd	nd	150
3735	G7249	11363	1400	70	nd	nd	nd	nd	nd	680
4005	G7267	11364	1900	70	nd	nd	nd	nd	nd	530

Tabell 4. Volumsammensetning av headspacegass, brønn 7316/5-1.

Depth (m)	IKU no.	IFE no	C ₁ %	C ₂ %	C ₃ %	iC ₄ %	nC ₄ %	iC ₅ %	nC ₅ %	CO ₂ %	ΣC ₁ -C ₅	Wetness	iC ₄ /nC ₄
945	G6877	11166	100.0	0.05	nd	nd	nd	nd	nd	nd	100	0.000	
975	G6879	11167	99.8	0.21	nd	nd	nd	nd	nd	nd	100	0.002	
1005	G6881	11168	99.8	0.19	0.04	nd	nd	nd	nd	nd	100	0.002	
1035	G6883	11169	99.9	0.08	nd	nd	nd	nd	nd	nd	100	0.001	
1065	G6885	11170	99.9	0.10	0.05	nd	nd	nd	nd	nd	100	0.001	
1095	G6887	11171	99.9	0.12	nd	nd	nd	nd	nd	nd	100	0.001	
1155	G6891	11172	74.8	0.21	nd	nd	nd	nd	nd	24.9	75	0.003	
1275	G6899	11173	23.9	0.12	nd	nd	nd	nd	nd	76.0	24	0.005	
1365	G6905	11174	44.6	2.67	nd	nd	nd	nd	nd	52.7	47	0.06	
1470	G6912	11175	31.5	0.93	nd	nd	nd	nd	nd	67.6	32	0.03	
1530	G6916	11176	50.8	0.65	0.41	0.22	0.14	0.14	0.05	47.6	52	0.03	1.56
1605	G6921	11177	56.5	1.5	1.7	0.81	0.69	0.55	0.32	37.9	62	0.09	1.18
1695	G6927	11178	46.4	2.2	1.6	0.61	0.26	0.19	0.07	48.6	51	0.10	2.36
1785	G6933	11179	36.2	0.95	1.1	0.74	0.49	0.25	0.17	60.0	40	0.09	1.49
1905	G6941	11180	30.6	1.5	1.5	1.2	0.26	0.19	0.13	64.7	35	0.13	4.50
2025	G6949	11181	32.8	1.9	2.6	2.5	0.52	0.78	0.22	58.6	41	0.21	4.92
2175	G6959	11182	32.1	2.7	8.3	10.7	5.1	2.7	1.1	37.2	63	0.49	2.08
2295	G6967	11183	41.7	2.9	13.7	11.4	10.2	4.4	2.9	12.8	87	0.52	1.11
2445	G6977	11184	26.4	2.8	11.1	7.1	10.8	4.8	4.3	32.7	67	0.61	0.66
2625	G6989	11185	23.7	4.4	15.9	10.0	12.6	4.8	4.1	24.6	75	0.69	0.79
2925	G7195	11358	29.3	12.2	9.9	5.8	4.1	1.9	0.78	36.1	64	0.54	1.42
3015	G7201	11359	92.0	5.6	1.5	0.56	0.33	nd	nd	nd	100	0.08	1.73
3075	G7205	11360	82.1	9.5	5.3	2.6	0.53	nd	nd	nd	100	0.18	5.00
3150	G7210	11361	85.0	12.7	2.3	nd	nd	nd	nd	nd	100	0.15	
3495	G7233	11362	92.7	3.0	nd	nd	nd	nd	nd	4.1	96	0.03	
3735	G7249	11363	64.9	3.2	nd	nd	nd	nd	nd	31.5	68	0.05	
4005	G7267	11364	75.8	2.8	nd	nd	nd	nd	nd	21.1	79	0.04	

Tabell 5. Isotopsammensetning av headspacegass, brønn 7316/5-1.

Depth (m)	IKU no.	IFE no	C ₁ $\delta^{13}\text{C}$ ‰ PDB	C ₁ δD ‰ SMOW	C ₂ $\delta^{13}\text{C}$ ‰ PDB	C ₃ $\delta^{13}\text{C}$ ‰ PDB	C ₄ $\delta^{13}\text{C}$ ‰ PDB	CO ₂ $\delta^{13}\text{C}$ ‰ PDB	CO ₂ $\delta^{18}\text{O}$ ‰ PDB
945	G6877	11166	-67.6	-156					
975	G6879	11167	-56.7	-182					
1005	G6881	11168	-69.0	-158					
1035	G6883	11169	-66.7	-144					
1065	G6885	11170	-52.9	-184					
1095	G6887	11171	-57.1	-292					
1155	G6891	11172	-72.0	-207				-23.9	-7.6
1275	G6899	11173	-63.9	-151	-38.4			-30.3	-5.3
1365	G6905	11174	-47.4**	nd					
1470	G6912	11175	-55.9	nd				-20.4	-1.0
1530	G6916	11176	-58.8	-163	nd	-33.1	-30.9	-24.6	-3.8
1605	G6921	11177	-56.6	nd	-34.8	-29.5	-30.0	-26.5	-3.4
1695	G6927	11178	-48.9	-176	-34.4	-27.8	-33.4	-26.2	-3.6
1785	G6933	11179	-52.0	-185	-34.2	-30.1	-30.6	-28.1	-8.0
1905	G6941	11180	-51.1	-184	nd	-31.6	nd	-28.5	-8.6
2025	G6949	11181	-53.4	-173	-35.1	-32.7	-33.8	-26.9	-3.9
2175	G6959	11182	-52.5	-165	-36.2	-33.1	-34.2	-27.1	-10.2
2295	G6967	11183	-51.0	-161	-33.4	-32.5	-34.0	-26.6	-6.4
2445	G6977	11184	-52.1	-184	-32.3	-27.9	-29.3	-33.2	-11.2
2625	G6989	11185	-47.3	-193	-34.0	-31.3	-31.7	-29.1	-4.0
2925	G7195	11358	-41.4	-179	-32.0	-27.7	-26.4		
3015	G7201	11359	-37.1		-29.4				
3075	G7205	11360	-35.7		-29.0	-27.9			
3150	G7210	11361	-26.5**						
3495	G7233	11362	-35.9						
3735	G7249	11363	-36.3					-24.5	-11.1
4005	G7267	11364	-35.3						

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Title
Data report
on
SAT-biomarkers
from
Well 7316/5-1

Summary/Conclusion/Recommendation
Detection of SAT-biomarkers by GC/MS-Q and GC/MS analysis of
extracted rock samples from well 7316/5-1.

Contents:
Analytical programpage: 2
Experimental.....: 3
Results.....: 10

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10 1993

Keywords
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Pages-appendix	Amendment no.	Revision no.	Revision date
Quadrant/Block-well 7316/5-1	Project no 33736	Licence no.	Date 27.04.93
Department	Geo-section		
Section	Bas.mod./Pet.geochemistry		
Authors	Arne Steen <i>AS</i>		
Controlled	<i>[Signature]</i>		
Accepted	<i>Eigil Napsøen 27/4-93</i>		
Approved			

ANALYTICAL PROGRAM

The samples are prepared, extracted, fractionated and analysed for SAT-biomarkers by GC/MS at Hydro Research Centre, Bergen.

The analysed samples and analytical quality are listed below.

The samples which are labeled 'ST.....' represent the internal lab reference sample. This sample is included in all analytical series and reflects the analytical repeatability.

Depth start int	Depth end int.	Sample type	Lith.	Job #	Result GC/MS	Result GC/MS-Q
1495.00	1505.00	DC	BULK	F-BERGEN	OK	OK
1600.00	1610.00	DC	BULK	F-BERGEN		OK
1662.00	1665.00	DC	BULK	F-BERGEN		OK
1752.00	1755.00	DC	BULK	F-BERGEN	OK	OK
1807.00	1810.00	DC	BULK	F-BERGEN	OK	OK
1862.00	1865.00	DC	BULK	F-BERGEN	OK	OK
1907.00	1910.00	DC	BULK	F-BERGEN	OK	OK
1937.00	1940.00	DC	BULK	F-BERGEN	OK	OK
1972.00	1975.00	DC	BULK	F-BERGEN	OK	OK
2050.00	2060.00	DC	BULK	F-BERGEN	OK	OK
2110.00	2120.00	DC	BULK	F-BERGEN	OK	OK
2170.00	2180.00	DC	BULK	F-BERGEN	OK	OK
2210.00	2220.00	DC	BULK	F-BERGEN	OK	OK
2240.00	2250.00	DC	BULK	F-BERGEN	OK	OK
2310.00	2320.00	DC	BULK	F-BERGEN	OK	OK
2350.00	2360.00	DC	BULK	F-BERGEN	OK	OK
2400.00	2410.00	DC	BULK	F-BERGEN	OK	OK
2440.00	2450.00	DC	BULK	F-BERGEN	OK	WEAK
2490.00	2500.00	DC	BULK	F-BERGEN	OK	WEAK
2540.00	2550.00	DC	BULK	F-BERGEN	WEAK	WEAK
2590.00	2600.00	DC	BULK	F-BERGEN	WEAK	WEAK
2640.00	2650.00	DC	BULK	F-BERGEN	WEAK	WEAK
2680.00	2690.00	DC	BULK	F-BERGEN	WEAK	WEAK
2740.00	2750.00	DC	BULK	F-BERGEN	WEAK	WEAK
2800.00	2810.00	DC	BULK	F-BERGEN	WEAK	WEAK
2840.00	2850.00	DC	BULK	F-BERGEN	WEAK	WEAK
2890.00	2900.00	DC	BULK	F-BERGEN	WEAK	WEAK
2940.00	2950.00	DC	BULK	F-BERGEN	OK	WEAK
3020.00	3030.00	DC	BULK	F-BERGEN	OK	WEAK
3030.00	3040.00	DC	BULK	F-BERGEN	OK	OK
ST3001030					OK	
ST160493A						OK
ST160493B						OK
ST160493C						OK
ST160493D						OK

EXPERIMENTAL: GC/MS-Q

Analytical method:	MQSIA version Dec.1992 (Magnet-Quadropole Saturated-biomarkers 1000-resolution version-A)
	Gas chromatographic and linked magnet-quadropole mass spectrometric analysis of saturated biomarkers.

Detected compounds:	<p>Detection of pre-selected groups of saturated (SAT)-biomarkers in saturated or mixed saturated/aromatic group type fractions.</p> <p>The relative distribution of the detected SAT-biomarkers are presented in bargraphs as measured peak heights and normalised to the most abundant compound.</p> <p>This semi-quantitative presentation is strictly related to the analytical method. The concentration/response ratio is not necessarily comparable between different type of compounds. A quantitative comparison based on the presented biomarker distributions are restricted.</p> <p>Sample information, tabulated peak data and normalised bargraphs with abbreviation codes and identities of the detected SAT-biomarkers are reported.</p>
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Method description:	<p>The analytical parameters are listed on the following pages.</p> <p>The parent ions of pre-selected SAT-biomarker compounds are mass separated by the magnet mass spectrometer. These mass selections are based on the traditional method of Voltage Selected Ion Recording (VSIR). The mass resolution is $R(10\%) = 1000$ or equivalent to a mass window of approximately 0.4 mass units.</p> <p>The transition from parent to daughter ions are induced by the energy reduction prior to the quadropole mass spectrometer.</p> <p>Pre-selected daughter ions are detected by selective quadropole mass detection. The mass window is approximately 2 mass units.</p>
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Detection parameters for pre-selected, induced parent-daughter ion transitions:

Experiment method: MQS1A (Dec. 1992)	Analytical function: #1 of 2	Detected retention time interval: 0:20:00 - 0:51:50
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Cycle time: 930 ms

Detected compounds	Inter-channel time, ms	Parent ion, m/z	Collision energy	Daughter ion, m/z	Channel time, ms
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C-20 Tricyclic-terpanes	50	276.28	30.0	191.18	40
C-21 Steranes	30	288.28	30.0	217.20	40
C-21 Tricyclic-terpanes	30	290.28	30.0	191.18	40
C-22 Steranes	30	302.30	30.0	217.20	40
C-22 Tricyclic-terpanes	30	304.31	30.0	191.18	40
C-23 Steranes	30	316.31	30.0	217.20	40
C-23 Tricyclic-terpanes	30	318.33	30.0	191.18	40
C-24 Tetracyclic-terpanes	30	330.33	30.0	191.18	40
C-24 Tricyclic-terpanes	30	332.34	30.0	191.18	40
C-25 Tricyclic-terpanes	30	346.35	30.0	191.18	40
C-26 Tricyclic-terpanes	30	360.38	30.0	191.18	40
PFK lock-mass for analytical stability. Primary/ secondary span lock: 2.0/1.0	30	330.98	30.0	330.98	40

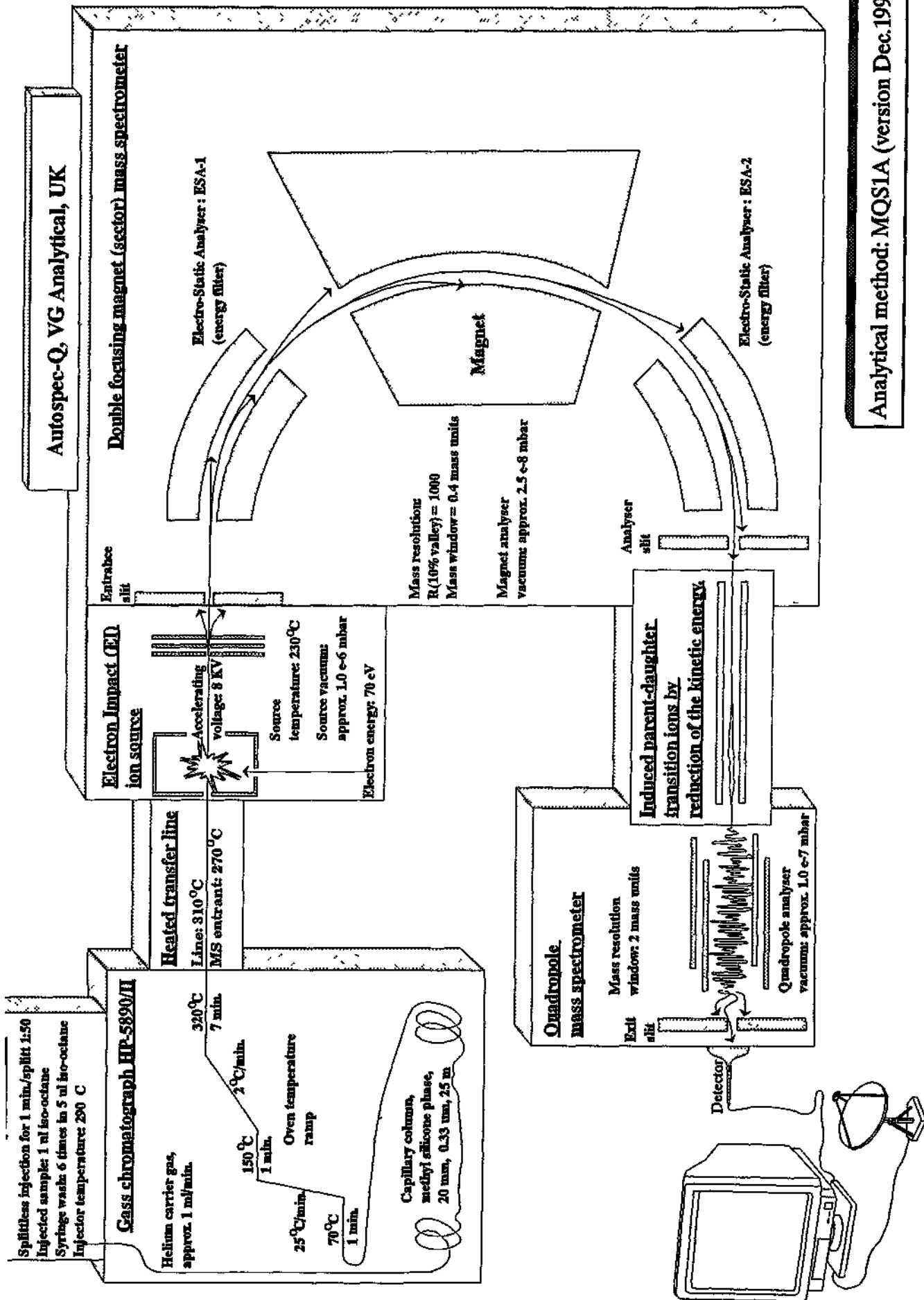
continue next page

Experiment method: MQSIA (Dec. 1992)	Analytical function: #2 of 2	Detected retention time interval: 0:52:00 - 1:35:00
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Cycle time: 1350 ms

Detected compounds	Inter-channel time, ms	Parent ion, m/z	Collision energy	Daughter ion, m/z	Channel time, ms
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C-27 Pentacyclic-triterpanes	50	370.38	30.0	191.18	40
C-27 Steranes	30	372.38	30.0	217.20	40
C-27 Mehtyl-steranes	30	372.38	30.0	231.21	40
C-28 Pentacyclic-triterpanes	30	384.38	30.0	191.18	40
C-28 Steranes	30	386.38	30.0	217.20	40
C-28 Mehtyl-steranes	30	386.38	30.0	231.21	40
C-29 Pentacyclic-triterpanes	30	398.38	30.0	191.18	40
C-29 Steranes	30	400.41	30.0	217.20	40
C-29 Mehtyl-steranes	30	400.41	30.0	231.21	40
C-30 Pentacyclic-triterpanes	30	412.41	30.0	191.18	40
C-30 Steranes	30	414.42	30.0	217.20	40
C-30 Mehtyl-steranes	30	414.42	30.0	231.21	40
C-31 Pentacyclic-triterpanes	30	426.42	30.0	191.18	40
C-32 Pentacyclic-triterpanes	30	440.44	30.0	191.18	40
C-33 Pentacyclic-triterpanes	30	454.45	30.0	191.18	40
C-34 Pentacyclic-triterpanes	30	468.47	30.0	191.18	40
C-35 Pentacyclic-triterpanes	30	482.48	30.0	191.18	40
PFK lock-mass for analytical stability. Primary/secondary span lock: 2.0/1.0	30	380.98	30.0	380.98	40



EXPERIMENTAL: GC/MS

Analytical method:	MSD_S_A version March 1993 (Mass Spectrometric Detection Saturated-biomarkers version A)
	Gas chromatographic and linked quadropole Mass Spectrometric (MS) analysis of Saturated biomarkers.

Detected compounds:	<p>Detection of pre-selected groups of saturated biomarkers, by MS, in saturated group type fractions.</p> <p>The MS-detected SAT-biomarkers are presented in mass chromatograms and normalised to the most abundant compound.</p> <p>This semi-quantitative presentation is strictly related to the analytical method. The concentration/response ratio is not necessarily comparable between different type of compounds. A quantitative comparison based on the presented biomarker distributions are restricted.</p>
----------------------------	---

Method description:	<p>The samples are analysed according to the standard lab procedures for SAT-biomarker MS-detection. Analytical conditions are indicated on the next page.</p> <p>The MS-detection is based on low resolution selected ion recording of a standard selection of common fragment ions for SAT-biomarkers. The mass window is approximately 1 mass units.</p> <p>The listed masses are reported as normalised fragmentograms (mass chromatograms):</p> <p>m/z 191.2 => Common fragment ion for terpanes</p> <p>m/z 177.2 => Common fragment ion for demethylated-terpanes</p> <p>m/z 217.2 => Common fragment ion for steranes</p> <p>m/z 218.2 => Abundant ion of 5α(H),14β(H),17β(H)-steranes (indicating the carbon number distribution)</p> <p>m/z 231.3 => Common fragment ion for methylated-steranes</p> <p>m/z 259.3 => Abundant ion of dia-steranes</p> <p>m/z 85.1 => Common fragment ion for alkanes</p>
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Detection parameters for pre-selected, common fragmentation-ions:

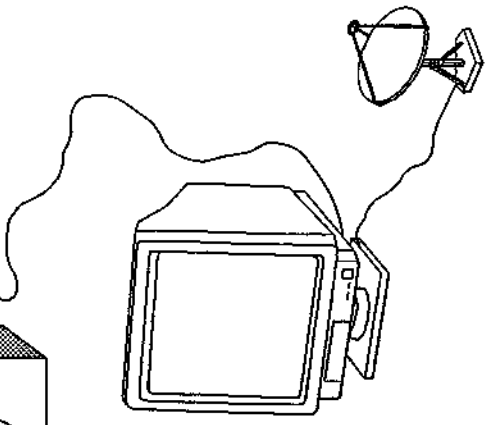
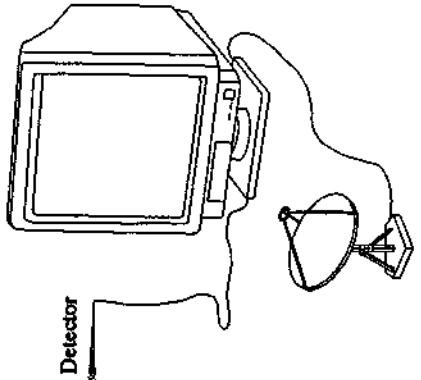
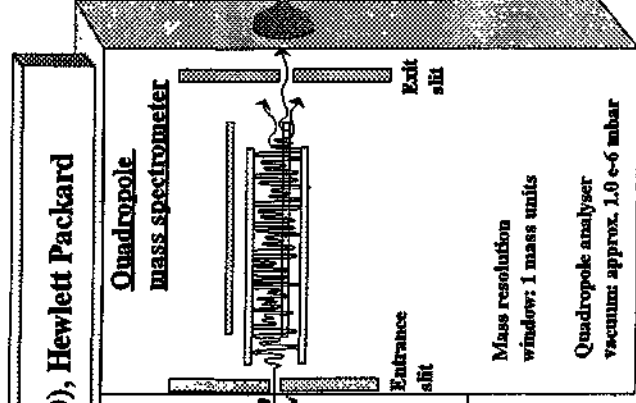
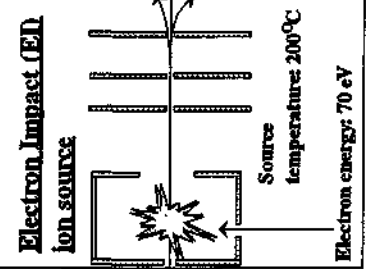
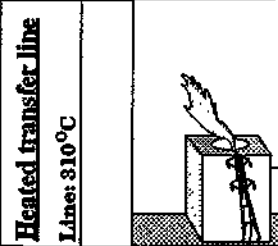
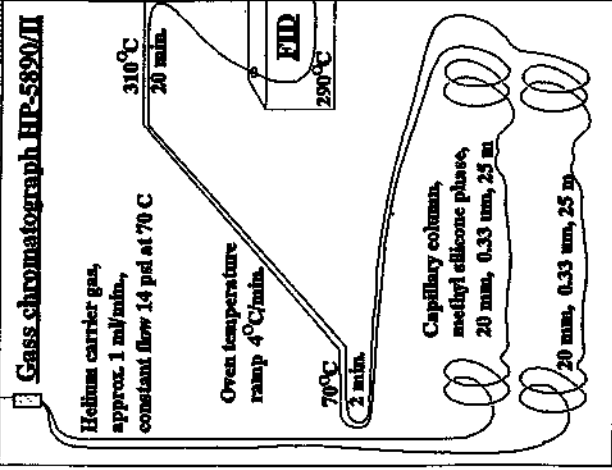
Experiment method: MSD_S_A (March. 1993)	Detected retention time interval: 0:10:00 - 0:65:00
---	--

Cycle time: 1000 ms

Detected groups of compounds	Inter-channel time, ms	Common fragment ions, m/z	Channel time, ms
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Alkanes	15	85.1	85
Demethylated-terpanes	15	177.2	85
Terpanes	15	191.2	85
Methylated-terpanes	15	205.5	85
Steranes	15	217.2	85
Favourized 5 α (H),14 β (H),17 β (H)-steranes	15	218.2	85
Methylated-steranes	15	231.3	85
Favourized dia-steranes	15	259.3	85
D2-deuterated-terpanes (int.std.)	15	193.3	85
D4-deuterated-steranes (int.std.)	15	221.2	85

Automatic sampler HP-7673
 Splitless injection for 1 min./split 1:50
 Injected sample: 1 μ l iso-octane
 Syringe wash: 6 times in 5 μ l iso-octane
 Injector temperature: 200 C



Analytical method: MSD_S_A (version Mar. 1993)

RESULTS

The data are presented by increasing depths and accordingly:

- Detected compounds and abbreviations**
- Bargraphs of GC/MS-Q detected SAT-biomarker distributions**
- Mass chromatograms of GC-MS detected SAT-biomarkers**

- The peak data from the GC/MS-Q detection of all samples are listed in a separate table.**

The information from the sample preparation and additional analytical data are presented in:

Petroleum Geochemistry Well 7316/5-1, Norsk Hydro report R-060541, March 1993.

Detected compounds and annotations

According to 'The Norwegian Industry Guide to Organic Geochemical Analysis', Feb.1993, the identity of each biomarker compound should be abbreviated as listed below.

The old codes will be reported until the computerized data handling procedures are updated.

The present analytical method will only report data which are listed as 'Old code'.

Old code	New code	Detected parent/ daughter ion, m/z	Identification
Deuterium labeled internal standards (if added):			
D4-C21	4D21a	292.30 -> 221.22	D4-pregnane (sterane)
D2-C29	2D29ba	400.40 -> 193.19	D2-normoretane (triterpane)
D4-C27	4D27aaR	376.40 -> 221.22	D4-aaa-cholestane(20R) (sterane)
DITERPANES, Tricyclic:			
20Y	20/3	276.28 -> 191.18	C20H36 tricyclic terpane
21Y	21/3	290.28 -> 191.18	C21H38 tricyclic terpane
23Y	23/3	318.33 -> 191.18	C23H42 tricyclic terpane
24Y	24/3	330.33 -> 191.18	C24H44 tricyclic terpane
25Y	25/3	346.35 -> 191.18	C25H46 tricyclic terpane
26Y	26/3R	360.38 -> 191.18	C26H48 tricyclic terpane (22R)
26YY	26/3S	----- " -----	C26H48 tricyclic terpane (22S)
	28/3R	374.38 -> 191.18	C28H52 tricyclic terpane (22R)
	28/3S	----- " -----	C28H52 tricyclic terpane (22S)
	29/3R	388.38 -> 191.18	C29H54 tricyclic terpane (22R)
	29/3S	----- " -----	C29H54 tricyclic terpane (22S)
	30/3R	402.41 -> 191.18	C30H56 tricyclic terpane (22R)
	30/3S	----- " -----	C30H56 tricyclic terpane (22S)

Old code	New code	Detected parent/ daughter ion, m/z	Identification
Tetracyclic:			
24X	24/4	330.33 -> 191.18	C24H42 tetracyclic terpane
Pentacyclic:			
27F	27Ts	370.38 -> 191.18	18 α (H)-22,29,30-trisnorneohopane
27A	27Tm	----- " -----	17 α (H)-22,29,30-trisnorhopane
27E	27b	----- " -----	17 β (H)-22,29,30-trisnorhopane
	25nor28ab	----- " -----	17 α (H),21 β (H)-25,28,30-trisnorhopane
28A	28ab	384.38 -> 191.18	17 α (H),21 β (H)-28,30-bisnorhopane
	25nor29ab	----- " -----	17 α (H),21 β (H)-25,30-bisnorhopane
29A	29ab	398.38 -> 191.18	17 α (H),21 β (H)-hopane
29C	29ba	----- " -----	17 β (H),21 α (H)-norhopane
29F	29Ts	----- " -----	18 α (H)-30-norneohopane
29N	25nor30ab	----- " -----	17 α (H),21 β (H)-25-norhopane
30A	30ab	412.41 -> 191.18	17 α (H),21 β (H)-hopane
30C	30ba	----- " -----	17 β (H),21 α (H)-hopane
30E	30bb	----- " -----	17 β (H),21 β (H)-hopane
30F	30D	----- " -----	15 α -methyl-17 α (H)-27-norhopane
30G	30G	----- " -----	Gammacerane
30O	30O	----- " -----	18 α (H)-oleanane
30H	30D13	----- " -----	Δ^{13-17} -hopene
31A	31abS	426.42 -> 191.18	17 α (H),21 β (H)-homohopane (22S)
31B	31abR	----- " -----	17 α (H),21 β (H)-homohopane (22R)
31D	31ba	----- " -----	17 β (H),21 α (H)-homohopane
31C	30nor32ab	----- " -----	17 α (H),21 β (H)-(30-nor)-bishomohopane
32A	32abS	440.44 -> 191.18	17 α (H),21 β (H)-bishomohopane (22S)
32B	32abR	----- " -----	17 α (H),21 β (H)-bishomohopane (22R)
33A	33abS	454.45 -> 191.18	17 α (H),21 β (H)-trishomohopane (22S)
33B	33abR	----- " -----	17 α (H),21 β (H)-trishomohopane (22R)
34A	34abS	468.47 -> 191.18	17 α (H),21 β (H)-tetrakishomohopane (22S)
34B	34abR	----- " -----	17 α (H),21 β (H)-tetrakishomohopane (22R)
35A	35abS	482.48 -> 191.18	17 α (H),21 β (H)-pentakishomohopane (22S)
35B	35abR	----- " -----	17 α (H),21 β (H)-pentakishomohopane (22R)

Old code	New code	Detected parent/daughter ion, m/z	Identification
STERANES, Pregnanes:			
21a	21a	288.28 -> 217.20	C21 pregnane
21k	21k	----- " -----	C21 pregnane
22a	22a	302.30 -> 217.20	C22 pregnane
22k	22k	----- " -----	C22 pregnane
23a	23a	316.31 -> 217.20	C23 pregnane
23k	23k	----- " -----	C23 pregnane
Steranes:			
27a	27dbS	372.38 -> 217.20	13 β (H),17 α (H)-diacholestane (20S)
27b	27dbR	----- " -----	13 β (H),17 α (H)-diacholestane (20R)
27c	27daR	----- " -----	13 α (H),17 β (H)-diacholestane (20R)
27d	27daS	----- " -----	13 α (H),17 β (H)-diacholestane (20S)
27e	27aaS	----- " -----	5 α (H),14 α (H),17 α (H)-cholestane (20S)
27f	27bbR	----- " -----	5 α (H),14 β (H),17 β (H)-cholestane (20R)
27g	27bbS	----- " -----	5 α (H),14 β (H),17 β (H)-cholestane (20S)
27h	27aaR	----- " -----	5 α (H),14 α (H),17 α (H)-cholestane (20R)
28a	28dbSA	386.38 -> 217.20	24-methyl-13 β (H),17 α (H)-diacholestane (20S)-A
28aa	28dbSB	----- " -----	24-methyl-13 β (H),17 α (H)-diacholestane (20S)-B
28b	28dbRA	----- " -----	24-methyl-13 β (H),17 α (H)-diacholestane (20R)-A
28bb	28dbRB	----- " -----	24-methyl-13 β (H),17 α (H)-diacholestane (20R)-B
28c	28daR	----- " -----	24-methyl-13 α (H),17 β (H)-diacholestane (20R)
28d	28daS	----- " -----	24-methyl-13 α (H),17 β (H)-diacholestane (20S)
28e	28aaS	----- " -----	24-methyl-5 α (H),14 α (H),17 α (H)-cholestane (20S)
28f	28bbR	----- " -----	24-methyl-5 α (H),14 β (H),17 β (H)-cholestane (20R)
28g	28bbS	----- " -----	24-methyl-5 α (H),14 β (H),17 β (H)-cholestane (20S)
28h	28aaR	----- " -----	24-methyl-5 α (H),14 α (H),17 α (H)-cholestane (20R)
29a	29dbS	400.41 -> 217.20	24-ethyl-13 β (H),17 α (H)-diacholestane (20S)
29b	29dbR	----- " -----	24-ethyl-13 β (H),17 α (H)-diacholestane (20R)
29c	29daR	----- " -----	24-ethyl-13 α (H),17 β (H)-diacholestane (20R)
29d	29daS	----- " -----	24-ethyl-13 α (H),17 β (H)-diacholestane (20S)
29e	29aaS	----- " -----	24-ethyl-5 α (H),14 α (H),17 α (H)-cholestane (20S)
29f	29bbR	----- " -----	24-ethyl-5 α (H),14 β (H),17 β (H)-cholestane (20R)
29g	29bbS	----- " -----	24-ethyl-5 α (H),14 β (H),17 β (H)-cholestane (20S)
29h	29aaR	----- " -----	24-ethyl-5 α (H),14 α (H),17 α (H)-cholestane (20R)
30a	30dbS	414.42 -> 217.20	24-propyl-13 β (H),17 α (H)-diacholestane (20S)
30b	30dbR	----- " -----	24-propyl-13 β (H),17 α (H)-diacholestane (20R)
30c	30daR	----- " -----	24-propyl-13 α (H),17 β (H)-diacholestane (20R)
30d	30daS	----- " -----	24-propyl-13 α (H),17 β (H)-diacholestane (20S)
30e	30aaS	----- " -----	24-propyl-5 α (H),14 α (H),17 α (H)-cholestane (20S)
30f	30bbR	----- " -----	24-propyl-5 α (H),14 β (H),17 β (H)-cholestane (20R)
30g	30bbS	----- " -----	24-propyl-5 α (H),14 β (H),17 β (H)-cholestane (20S)
30h	30aaR	----- " -----	24-propyl-5 α (H),14 α (H),17 α (H)-cholestane (20R)

0	Depth start int	1	Depth end int.	2	Sample type	3	Lith.	4	Well	5	Job #	6	MS-Q file name	7	26Y 360-191/2	8	26YY 360-191/2	9	25Y 346-191	10	24Y 332-191/1
1	1495.00	1505.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	3830.00										
2	1600.00	1610.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	10300.00										
3	1662.00	1665.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	5190.00										
4	1752.00	1755.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	5340.00										
5	1807.00	1810.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	11000.00										
6	1862.00	1865.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	7560.00										
7	1907.00	1910.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	17300.00										
8	1937.00	1940.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	10400.00										
9	1972.00	1975.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	11900.00										
10	2050.00	2060.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	4100.00										
11	2110.00	2120.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	6440.00										
12	2170.00	2180.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	7600.00										
13	2210.00	2220.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	7700.00										
14	2240.00	2250.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	14300.00										
15	2310.00	2320.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	6250.00										
16	2350.00	2360.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	9370.00										
17	2400.00	2410.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	5530.00										
18	2440.00	2450.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	8800.00										
19	2490.00	2500.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	0.01										
20	2540.00	2550.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	0.01										
21	2590.00	2600.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	0.01										
22	2640.00	2650.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	0.01										
23	2680.00	2690.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	0.01										
24	2740.00	2750.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	0.01										
25	2800.00	2810.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	0.01										
26	2840.00	2850.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	0.01										
27	2890.00	2900.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	0.01										
28	2940.00	2950.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	3560.00										
29	3020.00	3030.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	0.01	0.01										
30	3030.00	3040.00	DC	BULK	7316/5-1	F-BERGEN	MQS1A160493	0.01	0.01	4140.00	16600.00										
31																					
32	ST3001030																				
33	ST160493A						MQS1A160493	4850.00	6120.00	13400.00	36100.00										
34	ST160493B						MQS1A160493	5050.00	7390.00	11600.00	34600.00										
35	ST160493C						MQS1A160493	4690.00	5130.00	12800.00	39500.00										
36	ST160493D						MQS1A160493	7010.00	6800.00	14600.00	45800.00										

0	Depth start int	11 24X 330-191	12 23Y 318-191	13 22Y 304-191	14 21Y 290-191	15 20Y 276-191	16 23a 316-217/1	17 23k 316-217/2	18 22a 302-217/1	19 22k 302-217/2
1	1495.00	11100.00	20900.00	0.01	48700.00	408000	6370.00	2910.00	18100.00	21800.00
2	1600.00	15200.00	32800.00	0.01	96600.00	671000	4800.00	0.01	37700.00	50300.00
3	1662.00	16900.00	13400.00	0.01	39400.00	614000	5550.00	18200.00	29200.00	56500.00
4	1752.00	16900.00	17200.00	0.01	59200.00	350000	0.01	0.01	28300.00	37000.00
5	1807.00	34000.00	30800.00	0.01	85100.00	610000	13100.00	28600.00	60700.00	76100.00
6	1862.00	70300.00	30500.00	0.01	124000.00	690000	47500.00	47000.00	139000.00	121000.00
7	1907.00	134000.00	55600.00	0.01	250000.00	1280000	108000.00	74800.00	283000.00	230000.00
8	1937.00	92300.00	45600.00	0.01	144000.00	783000	66600.00	47400.00	149000.00	123000.00
9	1972.00	136000.00	34800.00	0.01	144000.00	853000	135000.00	65700.00	248000.00	157000.00
10	2050.00	41000.00	11100.00	0.01	51000.00	269000	24000.00	5990.00	61500.00	31600.00
11	2110.00	95200.00	25600.00	0.01	110000.00	571000	30000.00	10000.00	102000.00	59900.00
12	2170.00	159000.00	41400.00	0.01	144000.00	830000	30600.00	26300.00	120000.00	83700.00
13	2210.00	143000.00	25600.00	0.01	122000.00	850000	27900.00	10000.00	96000.00	53600.00
14	2240.00	257000.00	61100.00	0.01	209000.00	1660000	52200.00	18300.00	195000.00	99600.00
15	2310.00	154000.00	31100.00	0.01	96300.00	1350000	31800.00	8000.00	129000.00	54900.00
16	2350.00	133000.00	38900.00	0.01	465000.00	1340000	42500.00	13100.00	176000.00	88600.00
17	2400.00	58700.00	23400.00	0.01	283000.00	713000	19300.00	6480.00	95000.00	46400.00
18	2440.00	61900.00	7640.00	18900.00	94300.00	932000	23000.00	7900.00	128000.00	64000.00
19	2490.00	54200.00	10400.00	26900.00	99600.00	1060000	36100.00	7000.00	153000.00	74900.00
20	2540.00	14800.00	18700.00	0.01	49200.00	457000	33000.00	0.01	227000.00	53100.00
21	2590.00	9000.00	13700.00	0.01	46000.00	405000	0.01	0.01	42900.00	22300.00
22	2640.00	0.01	0.01	0.01	0.01	223000	0.01	0.01	0.01	0.01
23	2680.00	0.01	0.01	0.01	0.01	239000	0.01	0.01	0.01	0.01
24	2740.00	0.01	0.01	0.01	0.01	283000	0.01	0.01	0.01	0.01
25	2800.00	0.01	0.01	0.01	0.01	101000	0.01	0.01	0.01	0.01
26	2840.00	0.01	0.01	0.01	0.01	29800	0.01	0.01	0.01	0.01
27	2890.00	2980.00	8740.00	0.01	25400.00	58100	0.01	0.01	0.01	0.01
28	2940.00	6690.00	14400.00	0.01	21300.00	61100	0.01	0.01	12500.00	6820.00
29	3020.00	0.01	3580.00	0.01	4930.00	19800	0.01	0.01	6060.00	5830.00
30	3030.00	16300.00	6900.00	0.01	174000.00	402000	17800.00	11300.00	65600.00	68700.00
31										
32	ST3001030									
33	ST160493A	47200.00	89300.00	0.01	310000.00	740000	112000.00	50600.00	485000.00	352000.00
34	ST160493B	45900.00	91000.00	0.01	306000.00	752000	109000.00	45300.00	430000.00	315000.00
35	ST160493C	63100.00	102000.00	0.01	305000.00	733000	112000.00	43700.00	514000.00	380000.00
36	ST160493D	56400.00	106000.00	0.01	332000.00	868000	127000.00	51000.00	625000.00	411000.00

0 Depth	20 21a	21 21k	22 35A	23 35B	24 34A	25 34B	26 33A	27 33B
start int	288-217/1	288-217/2	482-191/1	482-191/2	468-191/1	468-191/2	454-191/1	454-191/2
1	1495.00	55200.00	272000.00	0.01	0.01	0.01	0.01	0.01
2	1600.00	100000.00	827000.00	0.01	0.01	0.01	0.01	3170.00
3	1662.00	86500.00	759000.00	0.01	0.01	0.01	0.01	4310.00
4	1752.00	78300.00	436000.00	0.01	0.01	0.01	0.01	42300.00
5	1807.00	142000.00	922000.00	0.01	0.01	2820.00	6950.00	9910.00
6	1862.00	244000.00	1190000.00	5230.00	6590.00	15800.00	24000.00	26300.00
7	1907.00	609000.00	2350000.00	13300.00	18200.00	25500.00	51200.00	71200.00
8	1937.00	289000.00	1150000.00	7360.00	9830.00	14500.00	29000.00	42500.00
9	1972.00	543000.00	1530000.00	15000.00	17400.00	38200.00	68200.00	109000.00
10	2050.00	137000.00	262000.00	0.01	0.01	15200.00	18200.00	64000.00
11	2110.00	180000.00	342000.00	8000.00	5080.00	27100.00	29700.00	120000.00
12	2170.00	236000.00	512000.00	8450.00	7130.00	52600.00	39700.00	233000.00
13	2210.00	201000.00	352000.00	12500.00	7560.00	64800.00	46300.00	289000.00
14	2240.00	374000.00	756000.00	29700.00	13600.00	111000.00	81500.00	499000.00
15	2310.00	237000.00	462000.00	21500.00	11700.00	85300.00	54000.00	302000.00
16	2350.00	333000.00	694000.00	28500.00	17000.00	105000.00	84400.00	428000.00
17	2400.00	151000.00	303000.00	13100.00	7450.00	44800.00	31800.00	158000.00
18	2440.00	232000.00	463000.00	19900.00	10800.00	62900.00	43000.00	207000.00
19	2490.00	271000.00	527000.00	13900.00	10400.00	63700.00	35200.00	154000.00
20	2540.00	0.01	92100.00	0.01	0.01	7520.00	5820.00	26300.00
21	2590.00	95300.00	162000.00	0.01	0.01	0.01	0.01	8890.00
22	2640.00	50000.00	70000.00	0.01	0.01	0.01	0.01	0.01
23	2680.00	40000.00	60000.00	0.01	0.01	0.01	0.01	0.01
24	2740.00	0.01	0.01	0.01	0.01	0.01	0.01	17700.00
25	2800.00	0.01	0.01	0.01	0.01	0.01	0.01	5070.00
26	2840.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01
27	2890.00	0.01	0.01	0.01	0.01	2300.00	1830.00	3250.00
28	2940.00	25600.00	45200.00	0.01	0.01	2070.00	1570.00	7230.00
29	3020.00	7150.00	15600.00	0.01	0.01	0.01	0.01	0.01
30	3030.00	137000.00	412000.00	0.01	0.01	2730.00	2160.00	11000.00
31								
32	ST3001030							
33	ST160493A	1230000.00	2260000.00	17900.00	12900.00	39900.00	23400.00	116000.00
34	ST160493B	1090000.00	2060000.00	28500.00	23200.00	56100.00	34500.00	131000.00
35	ST160493C	1240000.00	2330000.00	33200.00	22100.00	56900.00	39600.00	140000.00
36	ST160493D	1430000.00	2590000.00	30800.00	20000.00	59400.00	46300.00	157000.00

0 Depth	28 32A	29 32B	30 31A	31 31B	32 31C	33 31D	34 30F	35 30O
start int	440-191/1	440-191/2	426-191/1	426-191/2	426-191/3	426-191/4	412-191	412-191
1	1495.00	8470	24400	65400	691000	86400.00	0.01	0.01
2	1600.00	9410	51200	115000	1810000	225000.00	0.01	0.01
3	1662.00	9530	64700	123000	1980000	259000.00	0.01	0.01
4	1752.00	9240	84900	108000	1890000	303000.00	0.01	0.01
5	1807.00	39400	333000	574000	5100000	968000.00	0.01	0.01
6	1862.00	95500	736000	1570000	8490000	1740000.00	0.01	0.01
7	1907.00	267000	1200000	4070000	11600000	2490000.00	0.01	0.01
8	1937.00	178000	777000	2970000	7970000	1750000.00	0.01	0.01
9	1972.00	418000	1150000	5220000	9790000	2080000.00	0.01	100000.00
10	2050.00	152000	185000	1420000	1470000	372000.00	0.01	100000.00
11	2110.00	414000	341000	2470000	2100000	609000.00	0.01	100000.00
12	2170.00	742000	526000	3050000	2300000	600000.00	0.01	100000.00
13	2210.00	894000	607000	2870000	2100000	453000.00	0.01	300000.00
14	2240.00	1690000	1140000	4820000	3800000	759000.00	0.01	200000.00
15	2310.00	1040000	695000	2490000	2000000	250000.00	0.01	500000.00
16	2350.00	1210000	791000	2970000	2200000	213000.00	0.01	850000.00
17	2400.00	411000	256000	1010000	700000	69600.00	0.01	589000.00
18	2440.00	501000	343000	1150000	899000	84600.00	0.01	916000.00
19	2490.00	410000	262000	862000	670000	65000.00	0.01	1060000.00
20	2540.00	63400	46000	143000	110000	15100.00	0.01	305000.00
21	2590.00	24200	22000	46300	41600	0.01	0.01	238000.00
22	2640.00	11100	8580	23200	25100	0.01	0.01	104000.00
23	2680.00	7780	7000	29400	22000	6370.00	0.01	57000.00
24	2740.00	35900	28200	104000	109000	23600.00	0.01	51700.00
25	2800.00	18500	11600	60000	50400	9310.00	0.01	21500.00
26	2840.00	7190	6080	19600	16900	4800.00	0.01	0.01
27	2890.00	10200	7320	27500	32000	7000.00	0.01	8420.00
28	2940.00	11400	8890	40000	45600	8150.00	0.01	10600.00
29	3020.00	4960	4080	8890	9850	0.01	0.01	0.01
30	3030.00	28700	20700	109000	86300	15900.00	0.01	18000.00
31								
32	ST3001030							
33	ST160493A	259000	201000	691000	486000	66600.00	38900.00	350000.00
34	ST160493B	308000	207000	712000	550000	63800.00	37900.00	342000.00
35	ST160493C	313000	213000	791000	550000	78100.00	39900.00	387000.00
36	ST160493D	345000	236000	864000	619000	82200.00	40200.00	415000.00

0 Depth	36 30A	37 30H	38 30C	39 30G	40 30E	41 29N	42 29A	43 29F	44 29C	
start int	412-191	412-191	412-191	412-191	412-191	398-191	398-191	398-191	398-191	
1	1495.00	731000	0.01	185000.00	374000.00	0.01	0.01	795000.00	80000.00	680000.00
2	1600.00	2010000	90000.00	499000.00	1340000.00	0.01	0.01	1820000.00	150000.00	1750000.00
3	1662.00	2800000	120000.00	651000.00	1410000.00	0.01	0.01	2390000.00	150000.00	2230000.00
4	1752.00	2680000	70000.00	705000.00	959000.00	0.01	0.01	2280000.00	120000.00	1770000.00
5	1807.00	7720000	300000.00	1970000.00	1060000.00	0.01	0.01	6670000.00	400000.00	4290000.00
6	1862.00	15200000	100000.00	3320000.00	958000.00	0.01	0.01	13600000.00	1300000.00	7210000.00
7	1907.00	27600000	500000.00	5270000.00	0.01	0.01	23500000.00	4000000.00	11200000.00	
8	1937.00	16900000	300000.00	3530000.00	400000.00	0.01	0.01	17200000.00	1720000.00	7260000.00
9	1972.00	24500000	1000000.00	4600000.00	0.01	0.01	26500000.00	8000000.00	11100000.00	
10	2050.00	5570000	250000.00	1010000.00	0.01	0.01	7050000.00	1700000.00	2160000.00	
11	2110.00	9600000	200000.00	1910000.00	0.01	0.01	15600000.00	2000000.00	4690000.00	
12	2170.00	13100000	400000.00	2030000.00	0.01	0.01	23500000.00	4000000.00	5510000.00	
13	2210.00	14900000	700000.00	1620000.00	0.01	0.01	23000000.00	6000000.00	4530000.00	
14	2240.00	23500000	500000.00	2860000.00	0.01	0.01	36100000.00	9000000.00	7210000.00	
15	2310.00	16400000	650000.00	1090000.00	0.01	0.01	18400000.00	8000000.00	2080000.00	
16	2350.00	19500000	700000.00	1070000.00	0.01	0.01	15900000.00	10900000.00	1640000.00	
17	2400.00	8000000	150000.00	180000.00	0.01	0.01	4900000.00	5060000.00	463000.00	
18	2440.00	9050000	400000.00	448000.00	0.01	0.01	5000000.00	5920000.00	460000.00	
19	2490.00	6300000	300000.00	320000.00	0.01	0.01	3000000.00	4730000.00	413000.00	
20	2540.00	892000	60000.00	61200.00	0.01	0.01	630000.00	750000.00	0.01	
21	2590.00	330000	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
22	2640.00	143000	0.01	0.01	0.01	0.01	163000.00	80000.00	0.01	
23	2680.00	152000	0.01	17600.00	0.01	0.01	177000.00	106000.00	40000.00	
24	2740.00	563000	0.01	57400.00	0.01	0.01	687000.00	330000.00	130000.00	
25	2800.00	330000	0.01	40000.00	0.01	0.01	30300.00	421000.00	170000.00	
26	2840.00	107000	0.01	12100.00	0.01	0.01	15300.00	164000.00	70000.00	
27	2890.00	137000	8490.00	17000.00	0.01	0.01	12500.00	174000.00	75000.00	
28	2940.00	234000	7000.00	28800.00	0.01	0.01	12400.00	280000.00	80000.00	
29	3020.00	52600	0.01	7910.00	0.01	0.01	4800.00	80900.00	20000.00	
30	3030.00	482000	23600.00	54900.00	10000.00	0.01	85400.00	751000.00	260000.00	
31										
32	ST3001030									
33	ST160493A	4770000	280000.00	244000.00	120000.00	0.01	1170000.00	3950000.00	2000000.00	577000.00
34	ST160493B	5790000	200000.00	219000.00	50000.00	0.01	1120000.00	3060000.00	1500000.00	547000.00
35	ST160493C	5710000	250000.00	252000.00	20000.00	0.01	1210000.00	3500000.00	1700000.00	574000.00
36	ST160493D	5640000	299000.00	280000.00	100000.00	0.01	1280000.00	3810000.00	1700000.00	643000.00

0 Depth	45 28A	46 28N	47 27F	48 27A	49 27E	50 30a	51 30b	52 30c	53 30d	
start int	384-191	384-191	370-191	370-191	370-191	414-217	414-217	414-217	414-217	
1	1495.00	0.01	0.01	376000	1450000	3200000.00	0.01	0.01	0.01	0.01
2	1600.00	0.01	0.01	690000	3900000	9580000.00	0.01	0.01	0.01	0.01
3	1662.00	0.01	0.01	784000	4680000	10700000.00	12000.00	12000.00	10000.00	0.01
4	1752.00	0.01	0.01	479000	4310000	8800000.00	15000.00	12000.00	0.01	0.01
5	1807.00	0.01	0.01	1030000	11600000	11300000.00	25000.00	26000.00	25000.00	17000.00
6	1862.00	0.01	0.01	2350000	19300000	18300000.00	62200.00	61900.00	39900.00	10000.00
7	1907.00	0.01	0.01	5480000	32500000	19800000.00	178000.00	170000.00	92600.00	15000.00
8	1937.00	0.01	0.01	3140000	23500000	13000000.00	89000.00	89300.00	55200.00	20000.00
9	1972.00	0.01	0.01	9760000	34200000	15500000.00	220000.00	196000.00	101000.00	40000.00
10	2050.00	0.01	0.01	2440000	10700000	1800000.00	32600.00	27600.00	15600.00	9690.00
11	2110.00	0.01	0.01	4160000	22900000	2130000.00	35100.00	27600.00	20000.00	21100.00
12	2170.00	0.01	0.01	8320000	27300000	1880000.00	40400.00	29200.00	21000.00	22100.00
13	2210.00	0.01	0.01	12100000	20900000	1310000.00	22200.00	17800.00	12700.00	10000.00
14	2240.00	0.01	0.01	20600000	32700000	2530000.00	47700.00	35800.00	24000.00	25800.00
15	2310.00	0.01	0.01	20400000	9110000	900000.00	24300.00	19900.00	11000.00	11400.00
16	2350.00	0.01	0.01	25400000	6650000	0.01	41900.00	33300.00	19100.00	13900.00
17	2400.00	0.01	0.01	13500000	1920000	10000.00	16300.00	14900.00	7900.00	7600.00
18	2440.00	0.01	0.01	16400000	2250000	200000.00	0.01	0.01	0.01	0.01
19	2490.00	0.01	0.01	15000000	1670000	100000.00	0.01	0.01	0.01	0.01
20	2540.00	0.01	0.01	3340000	599000	0.01	0.01	0.01	0.01	0.01
21	2590.00	0.01	0.01	1930000	326000	30000.00	0.01	0.01	0.01	0.01
22	2640.00	0.01	0.01	814000	179000	10000.00	0.01	0.01	0.01	0.01
23	2680.00	0.01	0.01	539000	172000	25900.00	0.01	0.01	0.01	0.01
24	2740.00	0.01	0.01	734000	612000	90200.00	0.01	0.01	0.01	0.01
25	2800.00	0.01	0.01	446000	394000	61500.00	0.01	0.01	0.01	0.01
26	2840.00	0.01	0.01	160000	153000	20500.00	0.01	0.01	0.01	0.01
27	2890.00	0.01	0.01	203000	173000	33600.00	0.01	0.01	0.01	0.01
28	2940.00	0.01	0.01	317000	359000	57000.00	0.01	0.01	0.01	0.01
29	3020.00	0.01	0.01	71600	96300	16400.00	0.01	0.01	0.01	0.01
30	3030.00	0.01	0.01	817000	878000	85300.00	0.01	0.01	0.01	0.01
31										
32	ST3001030									
33	ST160493A	3680000.00	0.01	4110000	2600000	200000.00	247000.00	205000.00	149000.00	100000.00
34	ST160493B	3720000.00	0.01	4510000	3000000	300000.00	244000.00	194000.00	136000.00	80000.00
35	ST160493C	4070000.00	0.01	4590000	3790000	300000.00	292000.00	238000.00	169000.00	100000.00
36	ST160493D	4050000.00	0.01	4950000	3200000	300000.00	335000.00	271000.00	197000.00	115000.00

0 Depth	54 30e	55 30f	56 30g	57 30h	58 29a	59 29b	60 29c	61 29d	62 29e	
start int	414-217	414-217	414-217	414-217	400-217	400-217	400-217	400-217	400-217	
1	1495.00	0.01	0.01	0.01	0.01	122000.00	71100.00	25000.00	56200.00	53400.00
2	1600.00	0.01	0.01	0.01	0.01	205000.00	141000.00	70000.00	90000.00	100000.00
3	1662.00	21000.00	0.01	0.01	371000.00	259000.00	230000.00	100000.00	110000.00	220000.00
4	1752.00	20000.00	0.01	0.01	224000.00	157000.00	140000.00	70000.00	100000.00	100000.00
5	1807.00	26000.00	0.01	0.01	544000.00	523000.00	434000.00	100000.00	180000.00	180000.00
6	1862.00	33900.00	0.01	0.01	642000.00	1510000.00	1230000.00	400000.00	614000.00	390000.00
7	1907.00	95700.00	0.01	0.01	1940000.00	3920000.00	3340000.00	1130000.00	1600000.00	1190000.00
8	1937.00	38000.00	0.01	0.01	565000.00	2130000.00	1600000.00	525000.00	759000.00	482000.00
9	1972.00	75100.00	0.01	0.01	1140000.00	4760000.00	3770000.00	1360000.00	1880000.00	790000.00
10	2050.00	19700.00	39400.00	5000.00	132000.00	658000.00	535000.00	169000.00	267000.00	241000.00
11	2110.00	34700.00	10000.00	32200.00	130000.00	637000.00	470000.00	154000.00	269000.00	560000.00
12	2170.00	58700.00	18000.00	42000.00	137000.00	773000.00	585000.00	202000.00	337000.00	891000.00
13	2210.00	37600.00	20000.00	21500.00	72800.00	631000.00	436000.00	162000.00	270000.00	614000.00
14	2240.00	58000.00	30000.00	43400.00	171000.00	1030000.00	746000.00	441000.00	302000.00	942000.00
15	2310.00	23700.00	18000.00	19900.00	37900.00	496000.00	404000.00	211000.00	138000.00	327000.00
16	2350.00	29000.00	20000.00	23200.00	41500.00	674000.00	537000.00	201000.00	297000.00	346000.00
17	2400.00	9960.00	7000.00	8900.00	9340.00	290000.00	256000.00	91800.00	124000.00	105000.00
18	2440.00	0.01	0.01	0.01	0.01	424000.00	329000.00	137000.00	208000.00	136000.00
19	2490.00	0.01	0.01	0.01	0.01	479000.00	427000.00	161000.00	210000.00	127000.00
20	2540.00	0.01	0.01	0.01	0.01	184000.00	138000.00	56200.00	79800.00	57100.00
21	2590.00	0.01	0.01	0.01	0.01	164000.00	124000.00	53100.00	77200.00	40100.00
22	2640.00	0.01	0.01	0.01	0.01	121000.00	86000.00	42900.00	50000.00	23600.00
23	2680.00	0.01	0.01	0.01	0.01	90800.00	69200.00	37000.00	42200.00	29000.00
24	2740.00	0.01	0.01	0.01	0.01	105000.00	108000.00	54800.00	53500.00	50200.00
25	2800.00	0.01	0.01	0.01	0.01	60800.00	58800.00	23500.00	25600.00	46900.00
26	2840.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
27	2890.00	0.01	0.01	0.01	0.01	28200.00	27500.00	13300.00	16200.00	15300.00
28	2940.00	0.01	0.01	0.01	0.01	40700.00	30900.00	15000.00	17400.00	21300.00
29	3020.00	0.01	0.01	0.01	0.01	11000.00	7990.00	4200.00	5370.00	5900.00
30	3030.00	0.01	0.01	0.01	0.01	128000.00	95700.00	34400.00	50000.00	70000.00
31										
32	ST3001030									
33	ST160493A	148000.00	180000.00	203000.00	166000.00	2880000.00	2040000.00	742000.00	1130000.00	747000.00
34	ST160493B	148000.00	170000.00	191000.00	153000.00	2850000.00	1970000.00	741000.00	1130000.00	713000.00
35	ST160493C	158000.00	180000.00	216000.00	172000.00	2910000.00	2250000.00	852000.00	1220000.00	811000.00
36	ST160493D	190000.00	220000.00	234000.00	201000.00	3300000.00	2350000.00	939000.00	1410000.00	877000.00

0	Depth	63 29f	64 29g	65 29h	66 28a	67 28aa	68 28b	69 28bb	70 28c	71 28d
	start int	400-217	400-217	400-217	386-217	386-217	386-217	386-217	386-217	386-217
1	1495.00	0.01	0.01	1100000.00	150000.00	120000.00	93700.00	90000.00	71900.00	68700.00
2	1600.00	0.01	0.01	2790000.00	230000.00	160000.00	150000.00	180000.00	161000.00	111000.00
3	1662.00	0.01	0.01	5030000.00	300000.00	250000.00	260000.00	257000.00	223000.00	166000.00
4	1752.00	0.01	0.01	3020000.00	300000.00	200000.00	140000.00	161000.00	147000.00	91400.00
5	1807.00	0.01	0.01	7730000.00	904000.00	700000.00	500000.00	537000.00	402000.00	276000.00
6	1862.00	0.01	0.01	8680000.00	2290000.00	1700000.00	1300000.00	1400000.00	927000.00	626000.00
7	1907.00	0.01	0.01	22100000.00	6120000.00	5000000.00	3700000.00	4080000.00	2650000.00	1800000.00
8	1937.00	0.01	0.01	7440000.00	2950000.00	2350000.00	1800000.00	1990000.00	1280000.00	805000.00
9	1972.00	0.01	0.01	11900000.00	6340000.00	5100000.00	4000000.00	4350000.00	2630000.00	1720000.00
10	2050.00	534000.00	90000.00	1760000.00	1050000.00	800000.00	500000.00	564000.00	356000.00	260000.00
11	2110.00	574000.00	112000.00	2030000.00	1040000.00	700000.00	480000.00	527000.00	317000.00	257000.00
12	2170.00	350000.00	571000.00	2030000.00	863000.00	650000.00	400000.00	489000.00	288000.00	264000.00
13	2210.00	280000.00	374000.00	1360000.00	716000.00	500000.00	310000.00	351000.00	218000.00	193000.00
14	2240.00	450000.00	635000.00	2180000.00	1430000.00	1100000.00	600000.00	704000.00	418000.00	386000.00
15	2310.00	220000.00	259000.00	437000.00	747000.00	520000.00	330000.00	375000.00	238000.00	196000.00
16	2350.00	302000.00	315000.00	431000.00	1040000.00	700000.00	500000.00	554000.00	295000.00	271000.00
17	2400.00	143000.00	129000.00	119000.00	395000.00	310000.00	200000.00	210000.00	122000.00	106000.00
18	2440.00	180000.00	202000.00	150000.00	576000.00	450000.00	300000.00	320000.00	180000.00	155000.00
19	2490.00	200000.00	208000.00	112000.00	602000.00	500000.00	320000.00	347000.00	195000.00	171000.00
20	2540.00	84000.00	88300.00	59700.00	178000.00	160000.00	95000.00	118000.00	75300.00	55300.00
21	2590.00	56000.00	66100.00	43400.00	203000.00	140000.00	122000.00	120000.00	66700.00	65000.00
22	2640.00	30000.00	39000.00	25700.00	0.01	0.01	0.01	0.01	0.01	0.01
23	2680.00	32000.00	34300.00	30000.00	0.01	0.01	0.01	0.01	0.01	0.01
24	2740.00	56000.00	58600.00	88200.00	0.01	0.01	0.01	0.01	0.01	0.01
25	2800.00	31900.00	45000.00	69700.00	0.01	0.01	0.01	0.01	0.01	0.01
26	2840.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
27	2890.00	14000.00	19200.00	29500.00	47900.00	44000.00	28900.00	28000.00	18700.00	17400.00
28	2940.00	25000.00	25800.00	43400.00	51000.00	52100.00	37000.00	38200.00	22100.00	19800.00
29	3020.00	6400.00	7630.00	11300.00	15300.00	15000.00	8500.00	9300.00	5460.00	5110.00
30	3030.00	72000.00	80200.00	94000.00	230000.00	160000.00	120000.00	131000.00	66100.00	65000.00
31										
32	ST3001030									
33	ST160493A	850000.00	988000.00	765000.00	2800000.00	2600000.00	1950000.00	2140000.00	1210000.00	1070000.00
34	ST160493B	900000.00	1010000.00	758000.00	2740000.00	2600000.00	1850000.00	2070000.00	1100000.00	1050000.00
35	ST160493C	900000.00	1130000.00	809000.00	2950000.00	2700000.00	2100000.00	2370000.00	1230000.00	1180000.00
36	ST160493D	1000000.00	1250000.00	892000.00	3270000.00	2300000.00	2200000.00	2480000.00	1370000.00	1300000.00

0	Depth	72 28e	73 28f	74 28g	75 28h	76 27a	77 27b	78 27c	79 27d	80 27e
	start int	386-217	386-217	386-217	386-217	372-217	372-217	372-217	372-217	372-217
1	1495.00	52900.00	0.01	0.01	616000.00	384000	297000	140000	157000	579000
2	1600.00	118000.00	0.01	0.01	1360000.00	498000	485000	220000	278000	1540000
3	1662.00	195000.00	0.01	0.01	2780000.00	722000	747000	300000	400000	2460000
4	1752.00	87600.00	0.01	0.01	1410000.00	500000	491000	200000	220000	1390000
5	1807.00	240000.00	0.01	0.01	3990000.00	1830000	1560000	600000	682000	3760000
6	1862.00	300000.00	0.01	0.01	4200000.00	5380000	8420000	1800000	2050000	5170000
7	1907.00	900000.00	0.01	0.01	13800000.00	15700000	13600000	5000000	5700000	13600000
8	1937.00	280000.00	0.01	0.01	4050000.00	7640000	6530000	2500000	2630000	4850000
9	1972.00	600000.00	0.01	0.01	6350000.00	17400000	14400000	6000000	5480000	7360000
10	2050.00	100000.00	412000.00	80000.00	1040000.00	3000000	2040000	663000	943000	1330000
11	2110.00	280000.00	540000.00	180000.00	1220000.00	2580000	1750000	634000	877000	1810000
12	2170.00	400000.00	534000.00	250000.00	1170000.00	3180000	2080000	734000	1130000	2380000
13	2210.00	280000.00	336000.00	200000.00	768000.00	2450000	1390000	518000	824000	1630000
14	2240.00	450000.00	685000.00	400000.00	1270000.00	4430000	2820000	932000	1550000	2500000
15	2310.00	154000.00	265000.00	200000.00	299000.00	2250000	1380000	473000	771000	792000
16	2350.00	130000.00	336000.00	250000.00	309000.00	3070000	1920000	639000	1050000	809000
17	2400.00	57400.00	139000.00	120000.00	68600.00	1360000	817000	304000	450000	270000
18	2440.00	70000.00	200000.00	180000.00	107000.00	1900000	1180000	384000	640000	290000
19	2490.00	55100.00	194000.00	140000.00	77100.00	2240000	1330000	469000	773000	200000
20	2540.00	25000.00	102000.00	80000.00	47100.00	689000	429000	146000	250000	120000
21	2590.00	28000.00	75800.00	62000.00	33800.00	632000	463000	149000	244000	80000
22	2640.00	0.01	0.01	0.01	0.01	396000	264000	86300	157000	50000
23	2680.00	0.01	0.01	0.01	0.01	336000	207000	73300	113000	50000
24	2740.00	0.01	0.01	0.01	0.01	349000	208000	106000	166000	119000
25	2800.00	0.01	0.01	0.01	0.01	290000	207000	78900	130000	96900
26	2840.00	0.01	0.01	0.01	0.01	118000	78100	32900	62800	41000
27	2890.00	10000.00	21300.00	15000.00	22700.00	112000	73900	25700	48700	35000
28	2940.00	15900.00	34400.00	29000.00	31400.00	185000	116000	41400	65100	55000
29	3020.00	3400.00	9000.00	9990.00	6840.00	44100	31800	13500	16500	19300
30	3030.00	52000.00	132000.00	100000.00	75300.00	691000	475000	161000	234000	180000
31										
32	ST3001030									
33	ST160493A	549000.00	1450000.00	1200000.00	719000.00	9320000	6150000	2280000	3060000	1800000
34	ST160493B	500000.00	1490000.00	1300000.00	703000.00	8700000	5750000	2210000	3120000	1660000
35	ST160493C	600000.00	1590000.00	1300000.00	721000.00	9300000	6620000	2360000	3510000	1900000
36	ST160493D	700000.00	1750000.00	1450000.00	854000.00	10700000	7100000	2170000	3800000	1900000

0	Depth start int	81 27f 372-217	82 27g 372-217	83 27h 372-217	84 Result GC/MS	85 Result GC/MS-Q	86 D-MIX DATE	87 D4-C21 292-221	88 D2-C29 400-193	89 D4-C27 376-221	90 MS- method
1	1495.00	200000	141000	1700000	OK	OK					MQS1A
2	1600.00	600000	410000	4110000		OK					MQS1A
3	1662.00	900000	720000	8030000		OK					MQS1A
4	1752.00	400000	309000	4810000	OK	OK					MQS1A
5	1807.00	900000	767000	12500000	OK	OK					MQS1A
6	1862.00	1600000	1050000	15700000	OK	OK					MQS1A
7	1907.00	4000000	2480000	39700000	OK	OK					MQS1A
8	1937.00	1000000	830000	14900000	OK	OK					MQS1A
9	1972.00	2000000	1350000	21700000	OK	OK					MQS1A
10	2050.00	300000	220000	4270000	OK	OK					MQS1A
11	2110.00	450000	299000	4680000	OK	OK					MQS1A
12	2170.00	700000	542000	4760000	OK	OK					MQS1A
13	2210.00	500000	378000	2980000	OK	OK					MQS1A
14	2240.00	950000	763000	4940000	OK	OK					MQS1A
15	2310.00	550000	440000	1080000	OK	OK					MQS1A
16	2350.00	700000	601000	1030000	OK	OK					MQS1A
17	2400.00	311000	280000	287000	OK	OK					MQS1A
18	2440.00	392000	320000	347000	OK	WEAK					MQS1A
19	2490.00	424000	380000	268000	OK	WEAK					MQS1A
20	2540.00	217000	160000	142000	WEAK	WEAK					MQS1A
21	2590.00	153000	130000	116000	WEAK	WEAK					MQS1A
22	2640.00	88200	65000	69500	WEAK	WEAK					MQS1A
23	2680.00	64800	60000	71700	WEAK	WEAK					MQS1A
24	2740.00	100000	94900	219000	WEAK	WEAK					MQS1A
25	2800.00	86000	70400	179000	WEAK	WEAK					MQS1A
26	2840.00	43500	36000	58000	WEAK	WEAK					MQS1A
27	2890.00	34400	20000	52500	WEAK	WEAK					MQS1A
28	2940.00	66700	50000	110000	OK	WEAK					MQS1A
29	3020.00	16000	11500	23100	OK	WEAK					MQS1A
30	3030.00	247000	220000	281000	OK	OK					MQS1A
31											
32	ST3001030				OK						
33	ST160493A	2160000	2000000	1570000		OK					MQS1A
34	ST160493B	2060000	1900000	1530000		OK					MQS1A
35	ST160493C	2310000	2100000	1810000		OK					MQS1A
36	ST160493D	2560000	2200000	1970000		OK					MQS1A

SAT731651 36R x 97C

0	Depth start int	91 Sample number	92 %-TRI CYCL.	93 %-L.M. STERAN.	94 %-PENTA CYCLIC	95 %-C27-30 STERANES	96 GROUP SUM	97 %-C29-20S
1	1495.00	2	3	2	55	40	15904480	5
2	1600.00	3	2	3	60	35	39900540	3
3	1662.00	4	1	2	51	46	55091110	4
4	1752.00	5	1	1	61	36	40509240	3
5	1807.00	6	1	1	56	42	95386580	2
6	1862.00	7	1	1	57	41	164756180	4
7	1907.00	8	1	1	46	53	328843400	5
8	1937.00	9	1	1	58	40	173895990	6
9	1972.00	11	0	1	53	46	291570300	6
10	2050.00	12	1	1	61	37	60203880	12
11	2110.00	13	1	1	73	25	95043720	22
12	2170.00	14	1	1	76	22	123269880	31
13	2210.00	15	1	1	82	17	114269560	31
14	2240.00	16	1	1	80	18	186060000	30
15	2310.00	17	2	1	84	14	101570950	43
16	2350.00	18	2	1	81	16	112567270	45
17	2400.00	19	2	1	81	15	46631260	47
18	2440.00	21	2	2	79	17	56884640	48
19	2490.00	22	3	2	74	22	49077500	53
20	2540.00	23	5	3	60	32	11853540	49
21	2590.00	24	6	4	41	48	7309190	48
22	2640.00	25	6	3	45	46	3498180	48
23	2680.00	26	8	3	45	44	3038350	49
24	2740.00	27	5	0	62	33	5801600	36
25	2800.00	28	3	0	57	40	3749460	40
26	2840.00	29	2	0	61	37	1286371	50
27	2890.00	31	5	0	52	43	1894440	34
28	2940.00	32	4	3	53	41	3027820	33
29	3020.00	33	4	4	51	41	781630	34
30	3030.00	34	7	7	41	45	9516730	43
31								
32	ST3001030							
33	ST160493A	1	1	5	30	64	87439370	49
34	ST160493B	10	1	5	31	63	85657040	48
35	ST160493C	20	1	5	31	63	93696620	50
36	ST160493D	30	1	5	29	64	99820510	50