DANMARKS OG GRØNLANDS GEOLOGISKE UNDERSØGELSE RAPPORT 2003/91

Petroleum geochemistry of five oil samples from the 3/7-6 well

A study requested by DONG

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Confidential report

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GEOLOGICAL SURVEY OF DENMARK AND GREENLAND
MINISTRY OF THE ENVIRONMENT

GEUS

1. Introduction

The present report summarizes the results obtained from organic geochemical analyses of five core extracts from the 3/7-6 well.

2. Analytical programme

The following analyses have been carried out:

Extraction
Asphaltene precipitation
Group type separation (MPLC)
Gas Chromatography, saturate fraction
Gas Chromatography-Mass Spectrometry (GC-MS), saturate fraction
Gas Chromatography-Mass Spectrometry (GC-MS-MS), saturate fraction

Experimental

Extraction and separation

Solvent extraction was carried out using a Soxtec® apparatus with dichloromethane/methanol (DCM/MeOH, 93+7 vol./vol.) as solvent. The asphaltenes were removed from oils and extracts by precipitation in a 40 fold excess of *n*-pentane. The asphaltene-free oil was fractionated into saturated, aromatic and polar compounds (NSO) by MPLC (Radke et al., 1980).

Gas chromatography (GC)

Gas chromatography was performed using a Hewlett-Packard 5890 instrument equipped with a splitless injector and an HP-1 capillary column (25 m x 0.20 mm i.d., film thickness 0.11 μm). The temperature program was 5°C/min from 80 to 300°C, followed by 15 min at 300°C.

Gas chromatography-mass spectrometry (GC-MS and GC-MS-MS)

Gas chromatography-mass spectrometry (GC-MS) was carried out using a Hewlett-Packard 5890N gas chromatograph connected to a Hewlett-Packard 5971A quadropole mass spectrometer. The GC was fitted with an ZB-5 column (30 m x 0.25 mm i.d., film thickness 0.10 μm). The temperature

program was 30°C/min from 70 to 100°C and 4°C/min from 100 to 308°C followed by 8 min at 308°C. The samples were dissolved in isooctane, and the concentration was 1 mg/100µl. Splitless injection was used. The MS was operated in electron impact (EI) mode with an electron energy of 70 eV. Analysis was done in the selected ion monitoring (SIM) detection mode.

Ion (*m/z*)	Compound class
177.16	25-Norhopanes, C_{29}-hopanes
191.18	Hopanes
205.20	Methylhopanes, C_{31}-hopanes
217.20	Steranes
218.20	Steranes (ββ)
231.21	Methylsteranes
253.20	n-Alkanes
259.24	Diasteranes
355.35	C_{27}-hopanes, 28-norhopanes
369.36	Hopanes, 21-methyl-28-norhopanes
398.39	C_{29}-hopanes
412.41	C_{30}-hopanes

The chromatograms are shown in Appendix 2 but were not used for quantification of biomarkers.

Gas chromatography-mass spectrometry (GC-MS-MS) was carried out using a Hewlett-Packard 6890N gas chromatograph connected to a Waters (Micromass) Quattro Micro GC tandem quadropole mass spectrometer. The GC was fitted with an HP-5MS column (30 m x 0.25 mm i.d., film thickness 0.10 µm). The temperature program was 30°C/min from 70 to 100°C and 4°C/min from 100 to 308°C followed by 8 min at 308°C. The samples were dissolved in isooctane, and the concentration was 0.5 mg/100µl. Splitless injection was used. The MS was operated in electron impact (EI) mode with an electron energy of 70 eV. Argon was used as collision gas. Separate methods for steranes and hopanes were used. Quantification of hopanes and steranes was based on GC-MS-MS analyses.

Steranes

288.28 → 217.20 C_{21} steranes ¤
302.30 → 217.20 C_{22} steranes ¤
330.33 → 217.20 C_{24} steranes ¤
358.35 → 217.20 C_{26} steranes ¤
372.38 → 217.20 C_{27} steranes *
386.39 → 217.20 C_{28} steranes *
386.39 → 231.21 C_{28} methylsteranes ¤
400.41 → 217.20 C_{29} steranes *
400.41 → 231.21 C_{29} methylsteranes ¤
412.41 → 191.18 C_{30} hopanes (for comparison with hopane method) ¤
414.42 → 217.20 C_{30} steranes *
414.42 → 231.21 C_{30} methylsteranes ¤
414.42 → 259.24 C_{30} diasteranes, TPP ¤

Hopanes

370.36 → 191.18 C_{27} hopanes *
384.38 → 191.18 C_{28} hopanes *
398.39 → 191.18 C_{29} hopanes *
412.41 → 191.18 C_{30} hopanes *
412.41 → 205.20 C_{30} methylhopanes ¤
412.41 → 369.36 C_{30} rearranged hopanes ¤
426.42 → 191.18 C_{31} hopanes *
426.42 → 205.20 C_{31} hopanes, methylhopanes ¤
426.42 → 369.36 C_{31} rearranged hopanes ¤
440.44 → 191.18 C_{32} hopanes *
454.45 → 191.18 C_{33} hopanes *
468.47 → 191.18 C_{34} hopanes *
482.49 → 191.18 C_{35} hopanes *

*: chromatograms integrated

¤: data not used

Quantification of biomarkers was based on GC-MS-MS data. GC-MS in SIM-mode and GC-MS-MS may yield slightly different relative response factors for the various compounds in crude oils, which means that only one type of data should be used for a study like this. Manual integration was used in all cases. Compounds are labelled according to the NIGOGA guide, Edition 4.0, 30 May 2000.

3. Group type separation

Ekstraktions data

Arbejdsnummer **2003031**

Materiale: forskelligt

Lokation: Well 3/7-6

Midtgaard *Helle*

Laboratorienummer	Prøvemateriale	Dybde bund (m)	Udbytte (mg/g)	Asphaltener %	Mættede %	Aromater %	Polære %
9192	core	3640.05	n.a.	16.45	35.83	9.97	54.21
9193	core	3645.4	n.a.	21.68	35.16	9.89	54.95
9194	core	3647.4	n.a.	48.64	12.86	2.14	85
9195	core, seal peel	3646.31	n.a.	23.91	5.71	8.57	85.71
9196	core, seal peel	3648.78	n.a.	54.95	3.89	1.67	94.44

4. Gas Chromatography, saturate fraction

GC Data

Arbejdsnum **2003031**

Materiale: forskelligt

Lokation: Well 3/7-6

Midtgaard Helle

Dato: 04-11-03

Laboratorien	Prøvemateriale	Dybde bund (m)	Iso_nC	Pr_Ph	Pr_nC17	Ph_nC18	Bias	Wax	CPI	Philippi	n-Pristane %	Pristane %	Phytane %
9192	core	3640.05	0.48	1.11	1.11	0.96	1.46	0.28	0.96	0.89	12.61	46.01	41.38
9193	core	3645.4	0.5	2.33	0.83	0.72	5.31	0.15	1.04	1.05	24.04	53.13	22.83
9194	core	3647.4	0.56	1.91	0.91	0.73	3.89	0.17	1.02	0.9	19.35	52.91	27.74
9195	core, seal peel	3646.31	0.34	1.55	0.73	0.48	0.83	0.85	0.99	1.02	11.5	53.84	34.66
9196	core, seal peel	3648.78	0.47	2.96	1.21	0.54	1.32	0.43	0.97	1.1	14.88	63.62	21.51

5. Gas Chromatography-Mass Spectrometry (GC-MS-MS), saturate fraction

	SUM Hopane	C27 27Ts	C27 27Tm	C28 2930-BNH	C28 BNH	C29 29αβ	C29 29Ts	C30 30E	C30 30D	C30 30αβ	C30 30Ts	C30 30βα	C31 31D-S	C31 31D-R	C31 31αβS	C31 31αβR	C32 32αβS	C32 32αβR	C33 33αβS	C33 33αβR	C34 34αβS	C34 34αβR	C35 35αβS	C35 35αβR
2003031-9192 3/7-6 3640.05 m	1026439	38434	40915		4499	100218	44919	7076	14044	244405	21771	22489	5688	4825	118598	97309	66671	53932	35158	31371	19411	17797	19636	17273
2003031-9193 3/7-6 3645.40 m	1052676	39786	45267		4270	129371	49905	14519	16415	253918	18347	23330	4465	3991	107028	76960	63031	44908	41160	29872	25249	17498	25778	17608
2003031-9194 3/7-6 3647.40 m	596303	28583	30945		5202	75145	29598	9067	10602	139428	11124	14079	3032	3231	61526	45797	33998	24309	19695	15344	11366	8156	9237	6839
2003031-9195 3/7-6 3646.31 m	265080	6500	16210		6039	39602	8839	2641	5112	59721	4534	7217	1327	1268	26591	19538	15921	10886	8890	6215	5657	3594	5377	3401
2003031-9196 3/7-6 3648.78 m	584252	17237	34806		11254	85583	21312	11057	13345	133273	9220	14615	3069	3122	56858	41026	33167	23437	18987	13331	13255	8645	10821	6832

Hopane distribution, SUM = 100

	SUM Hopane	C27 27Ts	C27 27Tm	C28 2930-BNH	C28 BNH	C29 29αβ	C29 29Ts	C30 30E	C30 30D	C30 30αβ	C30 30Ts	C30 30βα	C31 31D-S	C31 31D-R	C31 31αβS	C31 31αβR	C32 32αβS	C32 32αβR	C33 33αβS	C33 33αβR	C34 34αβS	C34 34αβR	C35 35αβS	C35 35αβR
2003031-9192 3/7-6 3640.05 m	100	3,74	3,99		0,44	9,76	4,38	0,69	1,37	23,81	2,12	2,19	0,55	0,47	11,55	9,48	6,50	5,25	3,43	3,06	1,89	1,73	1,91	1,68
2003031-9193 3/7-6 3645.40 m	100	3,78	4,30		0,41	12,29	4,74	1,38	1,56	24,12	1,74	2,22	0,42	0,38	10,17	7,31	5,99	4,27	3,91	2,84	2,40	1,66	2,45	1,67
2003031-9194 3/7-6 3647.40 m	100	4,79	5,19		0,87	12,60	4,96	1,52	1,78	23,38	1,87	2,36	0,51	0,54	10,32	7,68	5,70	4,08	3,30	2,57	1,91	1,37	1,55	1,15
2003031-9195 3/7-6 3646.31 m	100	2,45	6,12		2,28	14,94	3,33	1,00	1,93	22,53	1,71	2,72	0,50	0,48	10,03	7,37	6,01	4,11	3,35	2,34	2,13	1,36	2,03	1,28
2003031-9196 3/7-6 3648.78 m	100	2,95	5,96		1,93	14,65	3,65	1,89	2,28	22,81	1,58	2,50	0,53	0,53	9,73	7,02	5,68	4,01	3,25	2,28	2,27	1,48	1,85	1,17

2003031-9192 3/7-6 3640.05 m
2003031-9193 3/7-6 3645.40 m
2003031-9194 3/7-6 3647.40 m
2003031-9195 3/7-6 3646.31 m
2003031-9196 3/7-6 3648.78 m

Hopane distribution, 30 αβ = 1

	C27 27Ts	C27 27Tm	C28 2930-BNH	C28 BNH	C29 29αβ	C29 29Ts	C30 30E	C30 30D	C30 30αβ	C30 30Ts	C30 30βα	C31 31D-S	C31 31D-R	C31 31αβS	C31 31αβR	C32 32αβS	C32 32αβR	C33 33αβS	C33 33αβR	C34 34αβS	C34 34αβR	C35 35αβS	C35 35αβR
2003031-9192 3/7-6 3640.05 m	0,157	0,167		0,018	0,410	0,184	0,029	0,057	1,000	0,089	0,092	0,023	0,020	0,485	0,398	0,273	0,221	0,144	0,128	0,079	0,073	0,080	0,071
2003031-9193 3/7-6 3645.40 m	0,157	0,178		0,017	0,509	0,197	0,057	0,065	1,000	0,072	0,092	0,018	0,016	0,422	0,303	0,248	0,177	0,162	0,118	0,099	0,069	0,102	0,069
2003031-9194 3/7-6 3647.40 m	0,205	0,222		0,037	0,539	0,212	0,065	0,076	1,000	0,080	0,101	0,022	0,023	0,441	0,328	0,244	0,174	0,141	0,110	0,082	0,058	0,066	0,049
2003031-9195 3/7-6 3646.31 m	0,109	0,271		0,101	0,663	0,148	0,044	0,086	1,000	0,076	0,121	0,022	0,021	0,445	0,327	0,267	0,182	0,149	0,104	0,095	0,060	0,090	0,057
2003031-9196 3/7-6 3648.78 m	0,129	0,261		0,084	0,642	0,160	0,083	0,100	1,000	0,069	0,110	0,023	0,023	0,427	0,308	0,249	0,176	0,142	0,100	0,099	0,065	0,081	0,051

		27Ts/(27Ts+27Tm)		29Ts/(29Ts+29αβ)			31S/(S+R)	32S/(S+R)	33S/(S+R)	34S/(S+R)	35S/(S+R)
2003031-9192 3/7-6 3640.05 m	>>>>>	0,484		0,309			0,55	0,55	0,53	0,52	0,53
2003031-9193 3/7-6 3645.40 m		0,468		0,278			0,58	0,58	0,58	0,59	0,59
2003031-9194 3/7-6 3647.40 m		0,480		0,283			0,57	0,58	0,56	0,58	0,57
2003031-9195 3/7-6 3646.31 m		0,286		0,182			0,58	0,59	0,59	0,61	0,61
2003031-9196 3/7-6 3648.78 m		0,331		0,199			0,58	0,59	0,59	0,61	0,61

	C27-dia 27dβS	C27-dia 27dβR	C27-dia 27dαR	C27-dia 27dαS	C27-st 27ααS	C27-st 27ββR	C27-st 27ββS	C27-st 27ααR	C28-dia 28dβS	C28-dia 28dβR	C28-dia 28dαR	C28-dia 28dαS	C28-st 28ααS	C28-st 28ββR	C28-st 28ββS	C28-st 28ααR	C29-dia 29dβS	C29-dia 29dβR	C29-dia 29dαR	C29-dia 29dαS	C29-st 29ααS	C29-st 29ββR	C29-st 29ββS	C29-st 29ααR	C30-dia 30dβS	C30-dia 30dβR	C30-dia 30dαR	C30-dia 30dαS	C30-st 30ααS	C30-st 30ββR	C30-st 30ββS	C30-st 30ααR
2003031-9192 3/7-6 3640.05 m	370735	267259	96109	141420	244256	65808	54870	318855	288275	194486	77359	104418	134220	117049	49962	232498	281356	214917	71889	100029	140131	141307	41381	273485	39552	33102	11113	16548	22819	7663	21661	58632
2003031-9193 3/7-6 3645.40 m	337792	219626	78631	116643	136410	50611	43010	132979	249589	163069	60724	83897	78787	65828	36191	91604	330265	234735	75126	107609	113529	99957	46096	146911	47919	36150	11596	18245	18061	7303	15779	30313
2003031-9194 3/7-6 3647.40 m	198240	136661	47594	73427	68148	26752	22995	72945	138786	91645	33730	46655	34283	34367	18834	45181	172326	126234	40087	56913	44394	47977	21904	67567	21099	16167	5009	7653	5918	2880	6150	12083
2003031-9195 3/7-6 3646.31 m	34458	25092	9023	12792	14021	5600	4173	11751	20894	13078	5380	7396	6440	5398	3589	6397	49374	36728	13414	17467	15294	14188	6756	18160	3687	2361	998	1158	1334	786	1197	1670
2003031-9196 3/7-6 3648.78 m	120885	85048	30466	43504	34855	14363	12607	28918	83625	52542	20771	27556	18126	16793	10538	17300	143561	104766	35672	45689	32339	32800	17618	38771	13593	10354	3399	4766	2716	2036	3098	4867

Sterane distribution, SUM = 100

	C27-dia 27dβS	C27-dia 27dβR	C27-dia 27dαR	C27-dia 27dαS	C27-st 27ααS	C27-st 27ββR	C27-st 27ββS	C27-st 27ααR	C28-dia 28dβS	C28-dia 28dβR	C28-dia 28dαR	C28-dia 28dαS	C28-st 28ααS	C28-st 28ββR	C28-st 28ββS	C28-st 28ααR	C29-dia 29dβS	C29-dia 29dβR	C29-dia 29dαR	C29-dia 29dαS	C29-st 29ααS	C29-st 29ββR	C29-st 29ββS	C29-st 29ααR	C30-dia 30dβS	C30-dia 30dβR	C30-dia 30dαR	C30-dia 30dαS	C30-st 30ααS	C30-st 30ββR	C30-st 30ββS	C30-st 30ααR
2003031-9192 3/7-6 3640.05 m	8,76	6,31	2,27	3,34	5,77	1,55	1,30	7,53	6,81	4,59	1,83	2,47	3,17	2,77	1,18	5,49	6,65	5,08	1,70	2,36	3,31	3,34	0,98	6,46	0,93	0,78	0,26	0,39	0,54	0,18	0,51	1,39
2003031-9193 3/7-6 3645.40 m	10,28	6,69	2,39	3,55	4,15	1,54	1,31	4,05	7,60	4,96	1,85	2,55	2,40	2,00	1,10	2,79	10,05	7,15	2,29	3,28	3,46	3,04	1,40	4,47	1,46	1,10	0,35	0,56	0,55	0,22	0,48	0,92
2003031-9194 3/7-6 3647.40 m	11,36	7,83	2,73	4,21	3,91	1,53	1,32	4,18	7,96	5,25	1,93	2,67	1,97	1,97	1,08	2,59	9,88	7,24	2,30	3,26	2,54	2,75	1,26	3,87	1,21	0,93	0,29	0,44	0,34	0,17	0,35	0,69
2003031-9195 3/7-6 3646.31 m	9,31	6,78	2,44	3,46	3,79	1,51	1,13	3,18	5,65	3,53	1,45	2,00	1,74	1,46	0,97	1,73	13,34	9,93	3,62	4,72	4,13	3,83	1,83	4,91	1,00	0,64	0,27	0,31	0,36	0,21	0,32	0,45
2003031-9196 3/7-6 3648.78 m	10,85	7,63	2,73	3,91	3,13	1,29	1,13	2,60	7,51	4,72	1,86	2,47	1,63	1,51	0,95	1,55	12,89	9,40	3,20	4,10	2,90	2,94	1,58	3,48	1,22	0,93	0,31	0,43	0,24	0,18	0,28	0,44

	Sum 27 D+R	Sum 27 Dia	Sum 27 R-st	Control	Sum 28 D+R	Sum 28 Dia	Sum 28 R-st	Sum 29 D+R	Sum 29 Dia	Sum 29 R-st	Sum 30 D+R	Sum 30 Dia	Sum 30 R-st
2003031-9192 3/7-6 3640.05 m	1559312	875523	683789	1559312	1198267	664538	533729	1264495	668191	596304	211090	100315	110775
2003031-9193 3/7-6 3645.40 m	1115702	752692	363010	1115702	829689	557279	272410	1154228	747735	406493	185366	113910	71456
2003031-9194 3/7-6 3647.40 m	646762	455922	190840	646762	443481	310816	132665	577402	395560	181842	76959	49928	27031
2003031-9195 3/7-6 3646.31 m	116910	81365	35545	116910	68572	46748	21824	171381	116983	54398	13191	8204	4987
2003031-9196 3/7-6 3648.78 m	370646	279903	90743	370646	247251	184494	62757	451216	329688	121528	44829	32112	12717

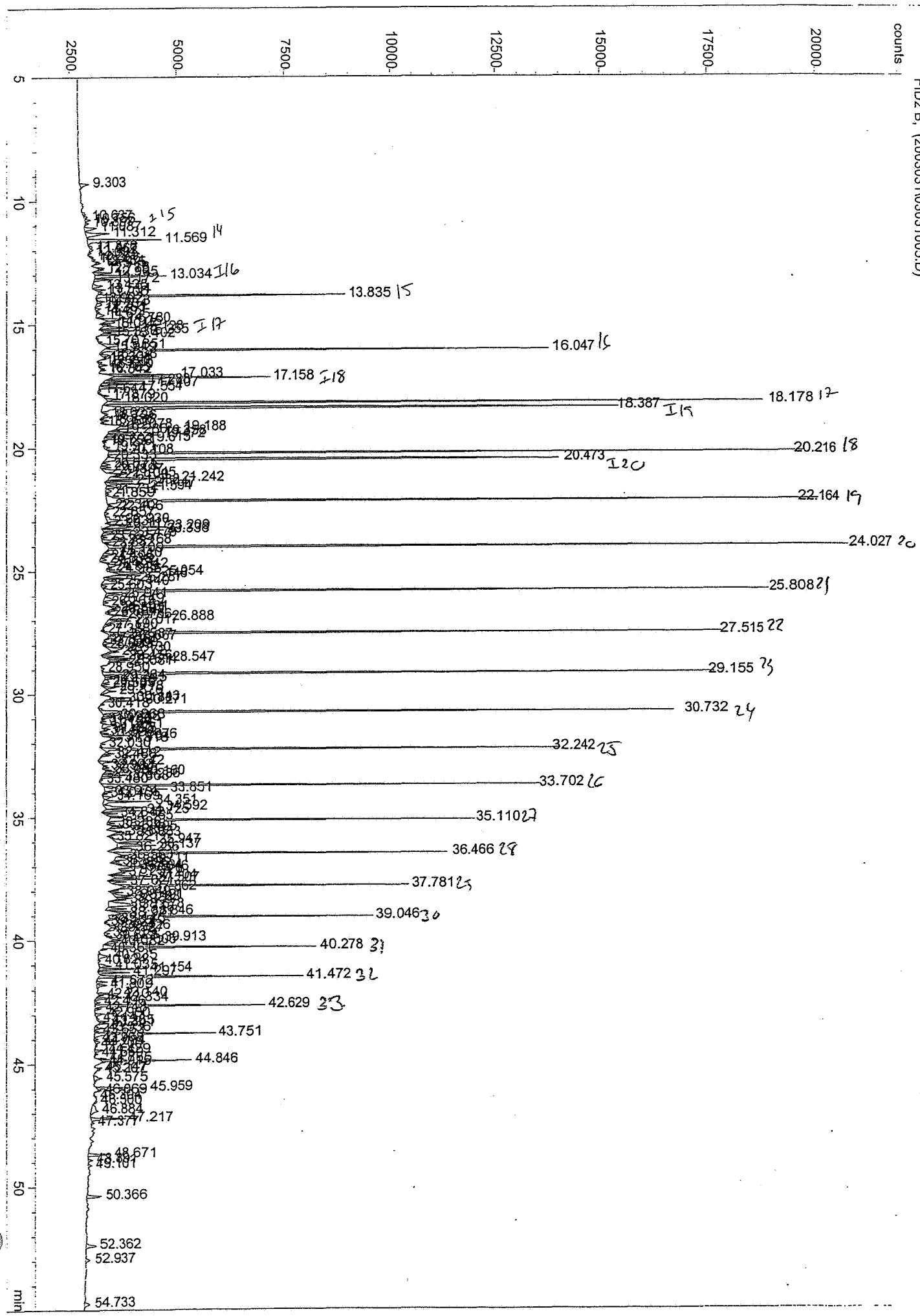
	% C27 C27 D+R	% C27 C27 Dia	% C27 C27 R-st	(C27 + C28 + C29 = 100)	% C28 C28 D+R	% C28 C28 Dia	% C28 C28 R-st	(C27 + C28 + C29 = 100)	% C29 C29 D+R	% C29 C29 Dia	% C29 C29 R-st	(C27 + C28 + C29 = 100)	% C30 C30 D+R	(C27 + C28 + C29 + C30 = 100)
2003031-9192 3/7-6 3640.05 m	38,77	39,65	37,70		29,79	30,09	29,43		31,44	30,26	32,88		4,99	
2003031-9193 3/7-6 3645.40 m	35,99	36,58	34,84		26,77	27,08	26,15		37,24	36,34	39,01		5,64	
2003031-9194 3/7-6 3647.40 m	38,78	39,23	37,76		26,59	26,74	26,25		34,62	34,03	35,98		4,41	
2003031-9195 3/7-6 3646.31 m	32,76	33,20	31,80		19,22	19,07	19,53		48,02	47,73	48,67		3,56	
2003031-9196 3/7-6 3648.78 m	34,67	35,25	32,99		23,13	23,23	22,82		42,20	41,52	44,19		4,02	

	C27 st D/(R+D)	C27 st S/(S+R)	C27 st B/(B+A)	C28 st D/(R+D)	C28 st S/(S+R)	C28 st B/(B+A)	C29 st D/(R+D)	C29 st S/(S+R)	C29 st B/(B+A)	C30 st D/(R+D)	C30 st S/(S+R)	C30 st B/(B+A)
2003031-9192 3/7-6 3640.05 m	0,561	0,434	0,176	0,555	0,366	0,313	0,528	0,339	0,306	0,475	0,280	0,265
2003031-9193 3/7-6 3645.40 m	0,675	0,506	0,258	0,672	0,462	0,375	0,648	0,436	0,359	0,615	0,373	0,323
2003031-9194 3/7-6 3647.40 m	0,705	0,483	0,261	0,701	0,431	0,401	0,685	0,397	0,384	0,649	0,329	0,334
2003031-9195 3/7-6 3646.31 m	0,696	0,544	0,275	0,682	0,502	0,412	0,683	0,457	0,385	0,622	0,444	0,398
2003031-9196 3/7-6 3648.78 m	0,755	0,547	0,297	0,746	0,512	0,436	0,731	0,455	0,415	0,716	0,358	0,404

2003031-9192, Well 3/7-6, 3640.05m, core, ali: 11.5 mg,
kørt d. 3. november 2003.

Injection Date	: 03-11-03 15:53:32	Seq. Line :	1
Sample Name	: 2003031-9192	Vial :	1
Acq. Operator	: DD	Inj :	1
		Inj Volume :	1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\ERIC.S		
Method	: C:\HPCHEM\1\METHODS\GCN(1A).M		
Last changed	: 17-07-01 13:29:03 by DD		

Metode baseret på Norsk Industristandard


counts
2500
5000
7500
10000
12500
15000
17500
20000
FID2 B, (2003031\03031005.D)
min
5
10
15
20
25
30
35
40
45
50
9.303
11.569
13.034
13.835
16.047
17.158
18.178
18.387
20.216
20.473
22.164
24.027
25.808
27.515
29.155
30.732
32.242
33.702
35.110
36.466
37.781
39.046
40.278
41.472
42.629
43.751
44.846
45.959
50.366
52.362
52.937
54.733

Normalized Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000
Uncalibrated Peaks : not reported

Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: FID2 B,
Results obtained with enhanced integrator!

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
1	9.303	PBA	0.1415	2044.14111	184.15021	0.21209	
2	10.637	PB	0.1015	497.70309	64.85641	0.05164	
3	10.756	VBA	0.1756	1525.94763	108.83567	0.15833	
4	10.897	BBA	0.2459	1363.60828	68.02422	0.14148	
5	11.087	BB	0.0722	1319.74524	264.42383	0.13693	
6	11.312	VB	0.0749	2990.03564	554.27698	0.31023	215
7	11.569	VB	0.0643	7777.25098	1733.90808	0.80694	14
8	11.876	VB	0.0817	301.52014	49.08016	0.03128	
9	11.967	VB	0.0670	289.22372	61.33967	0.03001	
10	12.094	VB	0.0515	173.24989	51.18382	0.01798	
11	12.269	VB	0.0591	271.71207	64.58459	0.02819	
12	12.356	VB	0.0437	235.89713	81.76175	0.02448	
13	12.454	VB	0.0344	203.39040	97.12518	0.02110	
14	12.515	VB	0.0450	344.10638	114.59102	0.03570	
15	12.716	VB	0.0444	415.27988	140.97409	0.04309	
16	12.779	VB	0.0398	335.74564	131.38654	0.03484	
17	12.905	VB	0.0509	1453.27295	435.63788	0.15079	
18	13.034	VB	0.0545	6140.04346	1684.49854	0.63707	116
19	13.172	VB	0.0499	1440.13403	443.21008	0.14942	
20	13.435	VB	0.0805	1224.30615	235.92587	0.12703	
21	13.594	VB	0.0501	749.71680	229.51846	0.07779	
22	13.706	VB	0.0561	324.71326	94.49925	0.03369	
23	13.835	VB	0.0466	1.82171e4	5813.02979	1.89013	15
24	13.992	VB	0.0314	78.49116	39.15664	0.00814	
25	14.073	VB	0.0498	499.55450	172.47966	0.05183	
26	14.204	VB	0.0786	762.93634	129.79056	0.07916	
27	14.361	VB	0.0547	433.74072	124.43560	0.04500	
28	14.492	VB	0.0468	179.16873	63.70465	0.01859	

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
29	14.625	VB	0.0776	1056.33484	177.11031	0.10960	
30	14.780	VB	0.0569	2203.49341	547.61981	0.22863	
31	14.925	VB	0.0573	1161.03479	286.37915	0.12046	
32	15.017	VB	0.0377	522.04120	220.23973	0.05416	
33	15.128	VB	0.0516	2900.45093	855.22583	0.30094	
34	15.255	VB	0.0420	2529.72559	982.89966	0.26247	I17
35	15.333	VB	0.0328	366.97510	188.10194	0.03808	
36	15.402	VB	0.0354	1427.05273	654.48969	0.14807	
37	15.707	VB	0.0618	340.51886	79.80058	0.03533	
38	15.851	VB	0.0849	2172.10742	367.80765	0.22537	
39	15.949	VB	0.0345	218.34370	103.96729	0.02265	
40	16.047	VB	0.0392	2.63539e4	1.05122e4	2.73437	IC
41	16.238	VB	0.0487	790.88708	238.23097	0.08206	
42	16.336	VB	0.0325	124.64880	59.36481	0.01293	
43	16.391	VB	0.0401	155.17233	69.43465	0.01610	
44	16.531	VB	0.0511	302.81735	95.10648	0.03142	
45	16.640	VB	0.0482	558.62506	190.37578	0.05796	
46	16.785	VB	0.0435	258.30081	84.95303	0.02680	
47	16.842	VB	0.0337	222.62950	109.53069	0.02310	
48	17.033	VB	0.0452	4647.24658	1633.58582	0.48218	
49	17.158	VB	0.0536	1.19090e4	3692.78223	1.23563	I18
50	17.288	VB	0.0384	2312.14160	949.01617	0.23990	
51	17.407	VB	0.0395	3078.37573	1219.28870	0.31940	
52	17.554	VB	0.0422	2433.22803	881.34772	0.25246	
53	17.644	VB	0.0719	283.77237	50.25742	0.02944	
54	17.879	VB	0.0522	584.03241	169.32138	0.06060	
55	18.020	VB	0.0451	1111.56860	369.35287	0.11533	
56	18.178	VB	0.0395	3.92466e4	1.55381e4	4.07207	I9
57	18.387	VB	0.0581	4.34702e4	1.20598e4	4.51029	I15
58	18.623	VB	0.0486	268.02979	81.09536	0.02781	
59	18.726	VB	0.0591	704.44781	167.47504	0.07309	
60	18.886	VB	0.0500	557.23309	180.34120	0.05782	
61	18.961	VB	0.0260	77.33323	50.03849	0.00802	
62	19.078	VB	0.0173	175.13786	220.56557	0.01817	
63	19.188	VB	0.0422	4082.71826	1477.13293	0.42361	
64	19.286	VB	0.0357	440.93692	200.26082	0.04575	
65	19.358	VB	0.0346	2594.74780	1231.46008	0.26922	
66	19.472	VB	0.0349	2864.92944	1241.67285	0.29725	
67	19.615	VB	0.0359	2133.46509	961.78619	0.22136	
68	19.692	VB	0.0298	168.32654	90.28157	0.01746	
69	19.756	VBA	0.2422	1438.73596	71.68404	0.14928	
70	19.971	BB	0.0460	496.59000	152.41824	0.05152	
71	20.108	VB	0.0355	997.39496	456.94922	0.10349	
72	20.216	VB	0.0396	4.06361e4	1.60414e4	4.21624	I8
73	20.333	VB	0.0324	127.10033	60.74010	0.01319	
74	20.473	VB	0.0606	3.90982e4	1.07067e4	4.05667	I20
75	20.671	VB	0.0480	672.83990	206.77754	0.06981	
76	20.778	VB	0.0472	694.78888	244.25909	0.07209	
77	20.897	VB	0.0784	1930.31995	339.21954	0.20028	

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
78	21.045	VB	0.0344	778.37988	371.87689	0.08076	
79	21.109	VB	0.0500	400.01282	137.31534	0.04150	
80	21.242	VB	0.0465	5149.15625	1645.87415	0.53426	
81	21.338	VB	0.0303	1246.86963	650.97333	0.12937	
82	21.447	VB	0.0412	2838.04419	1062.07312	0.29446	
83	21.594	VB	0.0424	2657.07373	958.04901	0.27569	
84	21.731	VB	0.0686	806.52142	150.26143	0.08368	
85	21.859	VB	0.0407	228.32976	76.83620	0.02369	
86	22.164	VB	0.0452	4.87436e4	1.61660e4	5.05743	19
87	22.342	VB	0.0437	245.13104	90.20759	0.02543	
88	22.406	VBA	0.1342	2173.13843	204.21167	0.22548	
89	22.657	PB	0.0508	338.18219	96.80595	0.03509	
90	22.930	VB	0.0755	2090.33716	383.94678	0.21688	
91	23.031	VB	0.0273	151.40288	91.45036	0.01571	
92	23.117	VB	0.0356	706.24939	322.40500	0.07328	
93	23.209	VB	0.0618	5022.22070	1338.38013	0.52109	
94	23.336	VB	0.0380	3438.05933	1430.34155	0.35672	
95	23.478	VB	0.0409	1729.58887	653.13324	0.17946	
96	23.625	VB	0.0404	310.71701	127.79813	0.03224	
97	23.768	VB	0.0694	2189.95679	539.39703	0.22722	
98	23.882	VB	0.0312	187.11845	102.93523	0.01941	
99	24.027	VB	0.0427	4.56953e4	1.73472e4	4.74116	20
100	24.109	VB	0.0647	808.52527	201.91484	0.08389	
101	24.310	VB	0.0531	973.18359	290.44193	0.10097	
102	24.406	VB	0.0497	411.22961	142.18633	0.04267	
103	24.538	VB	0.0561	601.27423	139.89699	0.06239	
104	24.657	VB	0.0355	281.89362	129.00511	0.02925	
105	24.742	VB	0.0576	1302.46912	333.31638	0.13514	
106	24.849	VB	0.0367	263.77039	100.19815	0.02737	
107	24.936	VB	0.0358	485.30051	203.69135	0.05035	
108	25.054	VB	0.0468	3439.66504	1033.00073	0.35689	
109	25.148	VB	0.0288	1000.38983	560.13519	0.10380	
110	25.287	VB	0.0358	1703.36292	770.19550	0.17673	
111	25.440	VB	0.0700	2496.76660	469.60632	0.25905	
112	25.603	VB	0.0575	472.63562	116.15311	0.04904	
113	25.808	VB	0.0404	4.05641e4	1.55462e4	4.20877	21
114	25.941	VB	0.0489	1196.56580	359.31366	0.12415	
115	26.149	VB	0.0668	1489.62329	316.91299	0.15456	
116	26.267	VB	0.0428	309.87634	117.29265	0.03215	
117	26.461	VB	0.0441	789.20471	254.77641	0.08188	
118	26.525	VB	0.0327	243.37935	125.27089	0.02525	
119	26.592	VB	0.0426	578.24353	235.52342	0.06000	
120	26.684	VB	0.0392	306.21750	131.56331	0.03177	
121	26.786	VB	0.0413	809.96606	322.60202	0.08404	
122	26.888	VB	0.0491	4480.78613	1338.37500	0.46491	
123	27.017	VB	0.0496	1981.83716	583.46631	0.20563	
124	27.190	VBA	0.1367	1892.29382	177.02461	0.19634	
125	27.388	BB	0.0368	135.58849	58.95993	0.01407	
126	27.515	VB	0.0405	3.75652e4	1.43584e4	3.89761	22

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
127	27.587	VB	0.0341	845.44373	409.01437	0.08772	
128	27.667	VB	0.0425	1373.37817	525.50861	0.14250	
129	27.748	VB	0.0333	158.90977	79.50320	0.01649	
130	27.838	VB	0.0374	107.20538	49.29321	0.01112	
131	27.909	VB	0.0456	635.79425	208.46448	0.06597	
132	28.005	VB	0.0331	148.07761	74.69953	0.01536	
133	28.130	VB	0.0776	2305.84473	397.95105	0.23925	
134	28.272	VB	0.0537	884.69049	236.44284	0.09179	
135	28.456	VB	0.0378	1317.45972	552.03320	0.13669	
136	28.547	VB	0.0349	3087.25000	1447.37097	0.32032	
137	28.614	VB	0.0318	934.97418	501.34583	0.09701	
138	28.681	VBA	0.0714	2176.96045	413.77075	0.22587	
139	28.950	PB	0.0228	58.50537	53.26587	0.00607	
140	29.155	VB	0.0407	3.73361e4	1.41683e4	3.87384	23
141	29.264	VB	0.0355	754.29730	344.98514	0.07826	
142	29.345	VB	0.0395	848.35736	359.28586	0.08802	
143	29.488	VB	0.0740	785.70953	143.17062	0.08152	
144	29.585	VB	0.0380	409.11356	170.68613	0.04245	
145	29.718	VB	0.0510	966.61859	305.01318	0.10029	
146	29.876	VB	0.0615	1250.17004	283.45709	0.12971	
147	30.143	VB	0.0355	932.57965	426.19711	0.09676	
148	30.188	VB	0.0282	476.23300	274.79150	0.04941	
149	30.271	VB	0.0403	2130.30835	879.29169	0.22103	
150	30.418	VB	0.0442	202.13069	68.91357	0.02097	
151	30.732	VB	0.0431	3.62888e4	1.36307e4	3.76518	24
152	30.868	VB	0.0374	849.17902	361.01395	0.08811	
153	30.948	VB	0.0402	631.88562	261.68588	0.06556	
154	31.022	VB	0.0304	142.14977	74.15585	0.01475	
155	31.109	VB	0.0360	223.35594	100.07530	0.02317	
156	31.197	VB	0.0262	128.81679	82.36370	0.01337	
157	31.261	VB	0.0640	1490.67993	334.50845	0.15467	
158	31.425	VB	0.0426	414.66583	157.95566	0.04302	
159	31.489	VB	0.0285	148.87077	84.91710	0.01545	
160	31.598	VB	0.0334	374.36423	171.71234	0.03884	
161	31.676	VB	0.0405	1647.09241	675.15143	0.17090	
162	31.764	VB	0.0333	658.17017	329.94125	0.06829	
163	31.818	VB	0.0546	892.11536	223.21822	0.09256	
164	32.030	VB	0.0486	338.95038	102.36489	0.03517	
165	32.242	VB	0.0439	2.86717e4	1.04985e4	2.97486	25
166	32.412	VB	0.0346	547.67712	240.58531	0.05682	
167	32.488	VB	0.0469	599.73285	200.49516	0.06223	
168	32.742	VB	0.0497	1408.29272	435.32562	0.14612	
169	32.902	VB	0.0293	172.43329	94.43707	0.01789	
170	32.981	VB	0.0462	371.00696	134.62471	0.03849	
171	33.086	VB	0.0337	328.76181	161.85460	0.03411	
172	33.160	VB	0.0390	1871.02917	807.06573	0.19413	
173	33.286	VB	0.0370	1712.76990	738.97656	0.17771	
174	33.368	VB	0.0393	1227.13672	489.35199	0.12732	
175	33.480	VB	0.0492	199.65576	59.45602	0.02072	

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
176	33.702	VB	0.0388	2.52203e4	1.02012e4	2.61676	26
177	33.851	VB	0.0447	4348.22412	1463.18188	0.45115	
178	33.974	VB	0.0372	432.17328	185.55862	0.04484	
179	34.043	VB	0.0333	197.05904	98.66567	0.02045	
180	34.169	VB	0.0576	961.04413	246.12144	0.09971	
181	34.351	VB	0.0475	3443.65356	1133.05542	0.35730	
182	34.592	VB	0.0500	4333.25439	1330.10718	0.44960	
183	34.725	VB	0.0543	3205.33765	928.89008	0.33257	
184	34.842	VB	0.0357	753.31720	341.47583	0.07816	
185	34.965	VB	0.0349	861.62329	403.05402	0.08940	
186	35.110	VB	0.0407	2.25327e4	8558.54980	2.33790	27
187	35.236	VB	0.0377	436.81561	184.14450	0.04532	
188	35.336	VB	0.0355	417.73749	191.26854	0.04334	
189	35.405	VB	0.0419	1164.96619	455.23843	0.12087	
190	35.592	VB	0.0479	711.71381	218.97208	0.07384	
191	35.653	VB	0.0456	1325.16309	434.68307	0.13749	
192	35.821	VB	0.0585	289.85815	83.45683	0.03007	
193	35.947	VB	0.0824	5048.85205	944.39044	0.52385	
194	36.137	VB	0.0628	4058.45557	897.39081	0.42109	
195	36.256	VB	0.0394	1063.78528	421.63351	0.11037	
196	36.466	VB	0.0417	1.98291e4	7785.01904	2.05739	28
197	36.563	VB	0.0345	302.03543	143.55826	0.03134	
198	36.711	VB	0.0609	2691.90259	669.39111	0.27930	
199	36.802	VB	0.0409	442.90594	179.10246	0.04595	
200	36.896	VB	0.0381	394.53384	176.09993	0.04094	
201	36.994	VB	0.0313	312.17178	170.67802	0.03239	
202	37.046	VB	0.0331	698.81549	353.64719	0.07251	
203	37.170	VB	0.0407	952.45038	361.68869	0.09882	
204	37.251	VB	0.0725	939.18079	169.82408	0.09745	
205	37.404	VB	0.0580	3266.46948	908.36926	0.33892	
206	37.507	VB	0.0459	2833.33740	976.02991	0.29398	
207	37.621	VB	0.0457	1256.37634	435.27219	0.13036	
208	37.781	VB	0.0386	1.64420e4	6698.34863	1.70596	29
209	37.862	VB	0.0616	2510.08960	642.89215	0.26044	
210	38.049	VB	0.0363	725.52460	321.25696	0.07528	
211	38.191	VB	0.0529	1877.47375	535.00671	0.19480	
212	38.283	VB	0.0447	1001.23657	380.86050	0.10388	
213	38.354	VB	0.0367	626.19611	295.73221	0.06497	
214	38.578	VB	0.0993	5178.99756	708.37775	0.53735	
215	38.716	VB	0.0501	1658.85193	508.39771	0.17212	
216	38.846	VB	0.0560	2543.05005	741.40601	0.26386	
217	38.921	VB	0.0359	444.24130	200.30415	0.04609	
218	39.046	VB	0.0439	1.69341e4	6185.72998	1.75701	30
219	39.146	VB	0.0349	551.24188	238.76646	0.05719	
220	39.255	VB	0.0332	143.13525	66.22967	0.01485	
221	39.334	VB	0.0274	125.87280	75.62930	0.01306	
222	39.426	VB	0.0469	964.39154	322.20657	0.10006	
223	39.527	VB	0.0686	897.66376	172.94482	0.09314	
224	39.719	VB	0.0488	414.84491	124.65338	0.04304	

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
225	39.828	VB	0.0290	267.58157	148.96184	0.02776	
226	39.913	VB	0.0408	2900.24292	1175.31763	0.30092	
227	40.005	VB	0.0346	900.67633	426.86179	0.09345	
228	40.082	VB	0.0556	992.80182	265.79465	0.10301	
229	40.278	VB	0.0435	1.35476e4	5017.91602	1.40564	31
230	40.361	VB	0.0390	296.44043	119.21157	0.03076	
231	40.635	VB	0.0718	1586.76660	299.53122	0.16464	
232	40.824	VB	0.0494	218.60707	64.74988	0.02268	
233	41.035	VB	0.0568	1150.37231	286.64081	0.11936	
234	41.154	VB	0.0413	2991.59351	1116.26440	0.31040	
235	41.297	VB	0.0433	2141.51831	749.80090	0.22220	
236	41.472	VB	0.0421	1.24111e4	4813.74707	1.28772	32
237	41.672	VB	0.0503	841.53882	256.03979	0.08731	
238	41.809	VBA	0.1296	2311.46045	237.39856	0.23983	
239	42.140	PB	0.0402	1293.19080	535.65497	0.13418	
240	42.210	VB	0.0275	176.89445	105.61977	0.01835	
241	42.334	VB	0.0408	1661.35876	629.06049	0.17238	
242	42.496	VB	0.0478	459.87750	141.98866	0.04772	
243	42.629	VB	0.0410	1.05623e4	3975.02490	1.09590	33
244	42.748	VBA	0.1282	1651.60535	162.97217	0.17136	
245	42.960	PB	0.0536	854.48907	228.84827	0.08866	
246	43.147	VB	0.0512	228.25050	61.60975	0.02368	
247	43.265	VB	0.0379	507.22510	212.10368	0.05263	
248	43.341	VB	0.0351	508.81531	236.20796	0.05279	
249	43.536	VB	0.0501	883.29144	256.87161	0.09165	
250	43.653	VB	0.0394	265.88260	113.03930	0.02759	
251	43.751	VBA	0.0494	9657.22656	2857.10742	1.00199	
252	43.968	BB	0.0396	271.89075	107.23103	0.02821	
253	44.084	VB	0.0745	592.46362	126.89800	0.06147	
254	44.200	VBA	0.4267	1465.80713	41.23291	0.15209	
255	44.429	BB	0.0564	836.04828	241.15836	0.08674	
256	44.569	VBA	0.2159	1452.16064	83.09040	0.15067	
257	44.765	PB	0.0337	384.02490	188.81384	0.03984	
258	44.846	VB	0.0403	5201.16797	2144.32397	0.53965	
259	44.915	VB	0.0260	108.71049	70.28236	0.01128	
260	45.147	VB	0.0287	195.10414	122.00198	0.02024	
261	45.207	VBA	0.2775	1421.68335	63.43506	0.14751	
262	45.575	PBA	0.1551	2462.16479	198.00610	0.25546	
263	45.959	PB	0.0447	3308.98022	1179.71997	0.34333	
264	46.069	VBA	0.1937	1381.06738	87.73203	0.14329	
265	46.304	PBA	0.3638	1331.16589	44.40027	0.13812	
266	46.500	BB	0.0658	244.14095	47.62333	0.02533	
267	46.884	VB	0.1344	1545.87158	152.31721	0.16039	
268	47.217	VB	0.0553	2927.59399	826.79095	0.30376	
269	47.377	VBA	0.3119	1336.95422	51.65770	0.13872	
270	48.671	BBA	0.0843	3107.89722	515.66327	0.32246	
271	48.891	BBA	0.2318	1505.84460	80.64456	0.15624	
272	49.101	PBA	0.2866	1473.24500	62.59524	0.15286	
273	50.366	BBA	0.1157	2645.30884	322.38037	0.27447	

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %
274	52.362	BBA	0.1576	2339.05713	207.38722	0.24269
275	52.937	PBA	0.2418	1673.61328	87.26053	0.17365
276	54.733	BBA	0.2254	1865.35144	102.93824	0.19354
277	57.564	BBA	0.2420	1857.36353	95.89275	0.19271
278	58.346	BBA	0.2487	2166.20239	106.75131	0.22476
Totals :				9.63800e5	3.26112e5	

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Calibration Curves

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*** End of Report ***

2003031-9193, Well 3/7-6, 3645.40m, core, ali: 3.2 mg,
kørt d. 31. oktober 2003.

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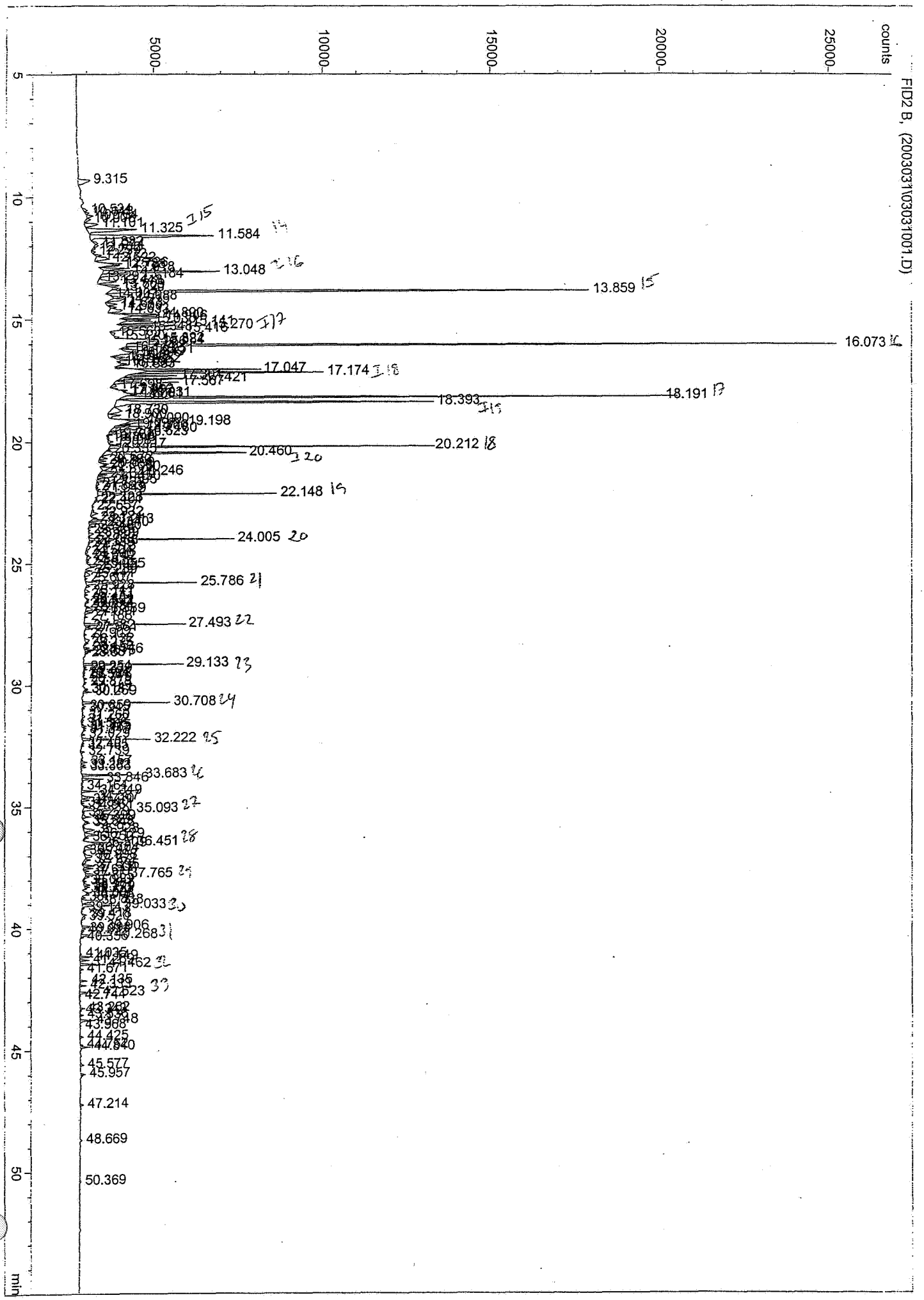
Injection Date	: 31-10-03 13:55:28	Seq. Line :	1
Sample Name	: 2003031-9193	Vial :	1
Acq. Operator	: DD	Inj :	1
		Inj Volume :	1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\ERIC.S		
Method	: C:\HPCHEM\1\METHODS\GCN(1A).M		
Last changed	: 17-07-01 13:29:03 by DD		

Metode baseret på Norsk Industristandard


counts
5000
10000
15000
20000
25000
FID2 B, (2003031\03031001.D)
min
9.315
11.325
11.584
13.048
13.859
16.073
17.047
17.174
18.191
18.393
19.198
20.212
20.460
22.148
24.005
25.786
27.493
29.133
30.708
32.222
33.683
35.093
36.451
37.765
45.577
45.957
47.214
48.669
50.369

Normalized Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000
Uncalibrated Peaks : not reported

Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: FID2 B,
Results obtained with enhanced integrator!

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
1	9.315	PBA	0.1537	4064.95068	344.44861	0.66925	
2	10.534	PB	0.0838	600.58929	100.34339	0.09888	
3	10.648	VB	0.0518	323.55466	94.81772	0.05327	
4	10.764	VB	0.0598	766.45972	186.88000	0.12619	
5	10.908	VB	0.0785	624.70135	112.98483	0.10285	
6	11.101	VB	0.0955	2522.03882	411.49731	0.41523	
7	11.325	VB	0.0823	8782.73535	1501.09509	1.44598	I15
8	11.584	VB	0.0782	1.97360e4	3702.69604	3.24931	14
9	11.882	VB	0.0696	648.17828	126.94424	0.10672	
10	11.974	VB	0.0678	551.11450	119.59940	0.09073	
11	12.102	VB	0.0599	353.53586	93.98544	0.05821	
12	12.239	VB	0.0590	426.97327	115.72025	0.07030	
13	12.372	VB	0.0552	592.61694	185.82652	0.09757	
14	12.522	VB	0.0847	2751.75244	429.69119	0.45305	
15	12.726	VB	0.0493	1036.78479	342.94183	0.17070	
16	12.788	VB	0.0512	801.31378	251.35426	0.13193	
17	12.918	VB	0.0591	3101.86304	838.97272	0.51069	
18	13.048	VB	0.0669	1.38899e4	3452.90918	2.28682	I16
19	13.184	VB	0.0573	3851.40112	1087.13013	0.63409	
20	13.292	VB	0.0359	87.47193	42.68545	0.01440	
21	13.448	VB	0.0851	3078.05713	551.82324	0.50677	
22	13.609	VB	0.0606	1600.05945	418.97433	0.26343	
23	13.720	VB	0.0636	697.83661	186.92967	0.11489	
24	13.859	VB	0.0564	4.92581e4	1.42161e4	8.10980	15
25	14.007	VB	0.0342	214.56882	103.31743	0.03533	
26	14.088	VB	0.0504	1683.81665	570.52130	0.27722	
27	14.215	VB	0.0756	2234.38354	409.87134	0.36787	
28	14.373	VB	0.0593	1311.28088	337.99030	0.21589	

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
29	14.500	VB	0.0487	609.81995	205.25623	0.10040	
30	14.633	VB	0.0873	2744.58521	414.36646	0.45187	
31	14.800	VB	0.0663	4029.98193	1060.61304	0.66349	
32	14.906	VB	0.0639	4563.87988	952.49524	0.75139	
33	15.030	VB	0.0409	1930.79358	780.52448	0.31788	
34	15.141	VB	0.0556	6905.63916	1934.67102	1.13694	
35	15.270	VB	0.0429	6653.50098	2508.56812	1.09543	I17
36	15.348	VB	0.0326	1109.76782	572.03119	0.18271	
37	15.416	VB	0.0369	4073.22925	1766.11597	0.67061	
38	15.563	VB	0.0655	551.27112	120.26210	0.09076	
39	15.720	VB	0.0444	401.98965	144.58878	0.06618	
40	15.822	VB	0.0344	1189.49304	568.12585	0.19584	
41	15.884	VB	0.0419	950.65906	370.68640	0.15652	
42	15.956	VB	0.0408	441.92212	179.08882	0.07276	
43	16.073	VB	0.0434	5.69417e4	2.11357e4	9.37482	16
44	16.174	VB	0.0349	477.01572	207.14227	0.07854	
45	16.251	VB	0.0492	2566.13257	763.63416	0.42249	
46	16.349	VB	0.0323	513.49835	268.86032	0.08454	
47	16.405	VB	0.0300	357.21628	231.45227	0.05881	
48	16.545	VB	0.0490	1044.44189	329.24588	0.17196	
49	16.652	VB	0.0481	1534.12463	524.58466	0.25258	
50	16.739	VB	0.0325	170.18291	88.11362	0.02802	
51	16.799	VB	0.0273	268.05847	162.37852	0.04413	
52	16.853	VB	0.0363	606.23865	268.74734	0.09981	
53	17.047	VB	0.0424	9379.68066	3597.62744	1.54426	
54	17.174	VB	0.0495	1.64413e4	5404.68604	2.70687	I18
55	17.301	VB	0.0368	3419.75757	1489.99158	0.56303	
56	17.421	VB	0.0387	5899.97656	2395.77661	0.97137	
57	17.567	VB	0.0409	4985.70996	1885.35046	0.82084	
58	17.698	VB	0.0671	694.12970	146.86952	0.11428	
59	17.892	VB	0.0544	818.97864	215.14853	0.13484	
60	17.955	VB	0.0326	142.67979	73.59114	0.02349	
61	18.031	VB	0.0336	938.12396	463.53900	0.15445	
62	18.081	VB	0.0219	262.32339	191.95392	0.04319	
63	18.191	VB	0.0419	4.35856e4	1.59582e4	7.17589	17
64	18.393	VB	0.0611	3.63379e4	9403.87305	5.98264	I19
65	18.730	VB	0.1172	3330.19653	362.58261	0.54828	
66	18.900	VB	0.0650	1620.53430	386.02890	0.26680	
67	19.090	VB	0.0399	1540.18958	601.32898	0.25358	
68	19.198	VB	0.0401	4563.55273	1659.05554	0.75134	
69	19.297	VB	0.0328	591.09210	302.11581	0.09732	
70	19.366	VB	0.0297	1515.05933	814.08423	0.24944	
71	19.480	VB	0.0403	3015.44946	1162.16565	0.49646	
72	19.623	VB	0.0365	2210.97192	974.80835	0.36401	
73	19.701	VB	0.0364	310.60449	148.79417	0.05114	
74	19.766	VB	0.0251	82.19674	56.10596	0.01353	
75	19.848	VB	0.0684	254.53036	50.81562	0.04191	
76	19.981	VB	0.0535	541.20758	145.07259	0.08910	
77	20.117	VB	0.0320	581.84607	308.65356	0.09579	

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
78	20.212	VB	0.0343	2.15686e4	9560.94141	3.55103	18
79	20.335	VB	0.0274	170.21092	102.51848	0.02802	
80	20.460	VB	0.0595	1.56103e4	4186.83496	2.57007	320
81	20.672	VB	0.0551	724.52899	216.17377	0.11929	
82	20.780	VB	0.0431	529.29022	198.68896	0.08714	
83	20.899	VB	0.0431	463.96283	173.86371	0.07639	
84	20.960	VB	0.0396	224.40521	94.75857	0.03695	
85	21.050	VB	0.0583	1682.55969	406.23633	0.27701	
86	21.246	VB	0.0482	3393.83911	1093.86292	0.55876	
87	21.341	VB	0.0316	449.72235	242.42242	0.07404	
88	21.450	VB	0.0421	1390.79126	505.29532	0.22898	
89	21.595	VB	0.0439	1222.69348	420.87170	0.20130	
90	21.733	VB	0.0720	462.24197	84.30896	0.07610	
91	21.863	VB	0.0398	177.26140	69.43658	0.02918	
92	21.949	VB	0.0378	304.36710	119.26738	0.05011	
93	22.148	VBA	0.0428	1.48939e4	5296.79785	2.45212	19
94	22.328	PB	0.0290	63.35199	49.20513	0.01043	
95	22.401	VBA	0.2666	1587.71252	72.17502	0.26140	
96	22.657	PBA	0.4628	1342.13965	34.57810	0.22097	
97	22.932	BB	0.0810	1179.65930	199.42941	0.19422	
98	23.124	VB	0.0387	308.49551	134.55112	0.05079	
99	23.213	VB	0.0562	1634.07483	499.59714	0.26903	
100	23.340	VB	0.0405	1149.31201	439.50635	0.18922	
101	23.480	VB	0.0400	576.21857	224.05264	0.09487	
102	23.626	VB	0.0374	129.25343	55.12735	0.02128	
103	23.769	VB	0.0644	652.38159	150.86768	0.10741	
104	23.880	VB	0.0308	83.87252	47.09441	0.01381	
105	24.005	VB	0.0349	9911.18066	4305.16992	1.63177	20
106	24.088	VB	0.0506	377.84714	120.29688	0.06221	
107	24.189	VB	0.0348	69.39420	32.67515	0.01142	
108	24.313	VB	0.0816	632.18738	106.03793	0.10408	
109	24.504	VB	0.0634	255.72438	51.97355	0.04210	
110	24.660	VB	0.0403	145.47028	59.98910	0.02395	
111	24.742	VB	0.0797	639.15350	110.13805	0.10523	
112	24.936	VB	0.0284	124.17678	64.71491	0.02044	
113	25.055	VB	0.0479	1087.28735	317.56641	0.17901	
114	25.144	VB	0.0215	132.35654	114.71839	0.02179	
115	25.289	VB	0.0363	415.74442	184.37189	0.06845	
116	25.441	VB	0.0816	881.97913	139.76724	0.14521	
117	25.607	VB	0.0428	148.40828	49.71865	0.02443	
118	25.786	VB	0.0369	8212.47656	3311.28223	1.35209	21
119	25.928	VB	0.0538	294.15259	86.20142	0.04843	
120	26.141	VB	0.0659	585.27966	122.08908	0.09636	
121	26.273	VB	0.0459	200.87791	73.51123	0.03307	
122	26.461	VB	0.0451	174.63554	58.06615	0.02875	
123	26.522	VB	0.0330	92.22783	46.69845	0.01518	
124	26.592	VB	0.0365	183.47182	75.22543	0.03021	
125	26.687	VB	0.0387	71.94152	31.43671	0.01184	
126	26.784	VB	0.0454	226.27458	89.78699	0.03725	

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
127	26.889	VB	0.0448	1201.72632	402.92313	0.19785	
128	27.011	VB	0.0589	676.00317	183.80324	0.11130	
129	27.188	VBA	0.2309	1386.93945	73.24997	0.22834	
130	27.493	PB	0.0370	6938.94629	2994.85254	1.14242	22
131	27.582	VB	0.0359	296.01608	133.39421	0.04874	
132	27.661	VBA	0.1096	1738.37744	203.58076	0.28620	
133	27.902	PBA	0.2562	1392.14990	65.95795	0.22920	
134	28.132	PB	0.0895	764.02985	115.01609	0.12579	
135	28.275	VBA	0.2472	1490.97986	73.32301	0.24547	
136	28.456	BB	0.0393	383.65439	152.66953	0.06316	
137	28.546	VB	0.0352	815.96387	378.40756	0.13434	
138	28.615	VB	0.0327	296.05746	152.07561	0.04874	
139	28.681	VBA	0.2103	1362.50464	79.34439	0.22432	
140	29.133	BBA	0.0420	8126.41797	2961.28491	1.33792	23
141	29.254	BB	0.0359	187.94331	84.81017	0.03094	
142	29.339	VB	0.0386	212.62180	93.42133	0.03501	
143	29.494	VB	0.0720	278.01553	50.71127	0.04577	
144	29.584	VBA	0.3242	1298.01074	48.20372	0.21370	
145	29.719	BBA	0.1964	1483.99292	93.89675	0.24432	
146	29.878	PBA	0.2584	1460.94861	68.62408	0.24053	
147	30.141	PB	0.0384	211.63713	81.21625	0.03484	
148	30.187	VB	0.0293	152.92729	83.68733	0.02518	
149	30.269	VBA	0.0944	1747.54431	241.64670	0.28771	
150	30.708	BBA	0.0426	7314.02686	2618.19897	1.20417	24
151	30.859	BB	0.0384	246.51073	101.17710	0.04059	
152	30.945	VBA	0.2209	1365.00439	76.24523	0.22473	
153	31.260	BBA	0.2402	1559.16150	79.00674	0.25670	
154	31.422	BBA	0.2935	1420.40308	59.29085	0.23385	
155	31.596	BB	0.0370	79.59460	34.43615	0.01310	
156	31.675	VB	0.0388	318.25940	129.08191	0.05240	
157	31.763	VB	0.0347	192.61270	91.05685	0.03171	
158	31.847	VBA	0.2669	1346.01611	60.65324	0.22161	
159	32.029	PBA	0.1865	1371.31641	90.65404	0.22577	
160	32.222	BBA	0.0449	6065.37256	2028.22913	0.99860	25
161	32.401	BB	0.0399	135.84961	52.93139	0.02237	
162	32.485	VBA	0.2738	1315.04517	59.06057	0.21651	
163	32.739	PBA	0.1764	1480.75415	105.05528	0.24379	
164	33.157	BB	0.0495	541.45746	168.50336	0.08914	
165	33.282	VB	0.0391	295.81897	127.38764	0.04870	
166	33.363	VBA	0.1324	1520.65442	144.89926	0.25036	
167	33.683	BBA	0.0451	5315.74707	1766.48914	0.87518	26
168	33.846	BBA	0.0598	2739.89722	616.55231	0.45109	
169	34.164	BB	0.0641	146.11993	31.53191	0.02406	
170	34.349	VBA	0.0709	2281.65747	437.37268	0.37565	
171	34.587	BB	0.0500	1202.27563	369.11737	0.19794	
172	34.710	VB	0.0604	778.71912	214.33743	0.12821	
173	34.840	VB	0.0355	155.20216	70.88889	0.02555	
174	34.961	VB	0.0397	368.59549	155.26143	0.06069	
175	35.093	VB	0.0464	4347.82471	1474.41492	0.71582	27

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
176	35.229	VB	0.0403	128.01033	52.77177	0.02108	
177	35.399	VB	0.0554	915.49347	235.51044	0.15073	
178	35.589	VB	0.0331	206.47699	96.11924	0.03399	
179	35.648	VB	0.0515	484.61838	136.22342	0.07979	
180	35.928	VB	0.0837	1793.25989	308.98285	0.29524	
181	36.129	VB	0.0640	1800.63696	420.46097	0.29645	
182	36.250	VB	0.0434	330.23120	115.22404	0.05437	
183	36.451	VB	0.0332	2443.31299	1230.62231	0.40226	28
184	36.509	VB	0.0217	266.48590	227.65587	0.04387	
185	36.704	VB	0.0656	1277.53015	288.89825	0.21033	
186	36.797	VB	0.0342	111.49570	53.66613	0.01836	
187	36.998	VB	0.0859	1380.04468	212.11774	0.22721	
188	37.162	VB	0.0750	908.40320	162.96783	0.14956	
189	37.395	VB	0.0516	1027.56738	318.85895	0.16918	
190	37.504	VB	0.0445	743.14355	266.90121	0.12235	
191	37.617	VB	0.0463	464.27597	149.25676	0.07644	
192	37.765	VB	0.0380	2954.88916	1232.96667	0.48649	29
193	37.855	VB	0.0780	530.31201	110.52181	0.08731	
194	38.043	VB	0.0387	225.16489	98.34819	0.03707	
195	38.187	VB	0.0526	578.30096	166.30725	0.09521	
196	38.279	VB	0.0437	347.64459	136.73581	0.05724	
197	38.350	VB	0.0340	154.38585	75.05062	0.02542	
198	38.507	VB	0.0433	203.87833	81.11322	0.03357	
199	38.588	VB	0.0429	292.80060	110.48743	0.04821	
200	38.714	VB	0.0431	253.00311	89.08369	0.04165	
201	38.838	VB	0.0612	2103.82861	479.26614	0.34637	
202	39.033	VB	0.0447	3191.52661	1136.98474	0.52545	30
203	39.143	VBA	0.3163	1335.54944	50.87429	0.21988	
204	39.418	PB	0.0411	290.41415	109.11648	0.04781	
205	39.520	VB	0.0955	426.63614	58.23981	0.07024	
206	39.906	VB	0.0405	1497.89404	613.15363	0.24661	
207	39.998	VB	0.0343	186.49951	89.72134	0.03071	
208	40.071	VBA	0.2962	1412.66443	57.17874	0.23258	
209	40.268	BB	0.0387	2234.66455	909.32928	0.36791	31
210	40.356	VBA	0.2424	1321.50098	66.92390	0.21757	
211	41.035	BB	0.0506	182.73711	52.56849	0.03009	
212	41.149	VB	0.0421	1068.22485	387.93500	0.17587	
213	41.289	VB	0.0459	807.09338	277.53827	0.13288	
214	41.462	VB	0.0409	1971.96362	744.29578	0.32466	32
215	41.671	VBA	0.1977	1599.81567	101.62160	0.26339	
216	42.135	PBA	0.1006	1715.63342	220.87920	0.28246	
217	42.333	PBA	0.1060	1646.85364	200.21648	0.27114	
218	42.623	BB	0.0417	1606.00073	591.56616	0.26441	33
219	42.744	VBA	0.2916	1294.34241	53.62727	0.21310	
220	43.262	BB	0.0377	312.15955	131.55562	0.05139	
221	43.343	VBA	0.3226	1253.12488	47.06892	0.20631	
222	43.536	BBA	0.1622	1441.71814	110.54845	0.23736	
223	43.748	PBA	0.0816	2333.08032	380.37463	0.38412	
224	43.968	PBA	0.3904	1250.55566	38.75993	0.20589	

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %
225	44.425	PBA	0.1746	1473.59595	107.06135	0.24261
226	44.762	PB	0.0368	189.78966	82.61031	0.03125
227	44.840	VBA	0.0935	1934.36584	270.34647	0.31847
228	45.577	BBA	0.1768	1530.37024	108.36198	0.25196
229	45.957	PBA	0.1544	1642.84570	134.57602	0.27048
230	47.214	PBA	0.1784	1539.84900	110.62730	0.25352
231	48.669	PBA	0.2389	1448.63550	75.81319	0.23850
232	50.369	BBA	0.3400	1388.96057	50.33110	0.22868
Totals :				6.07390e5	1.82527e5	

Calibration Curves

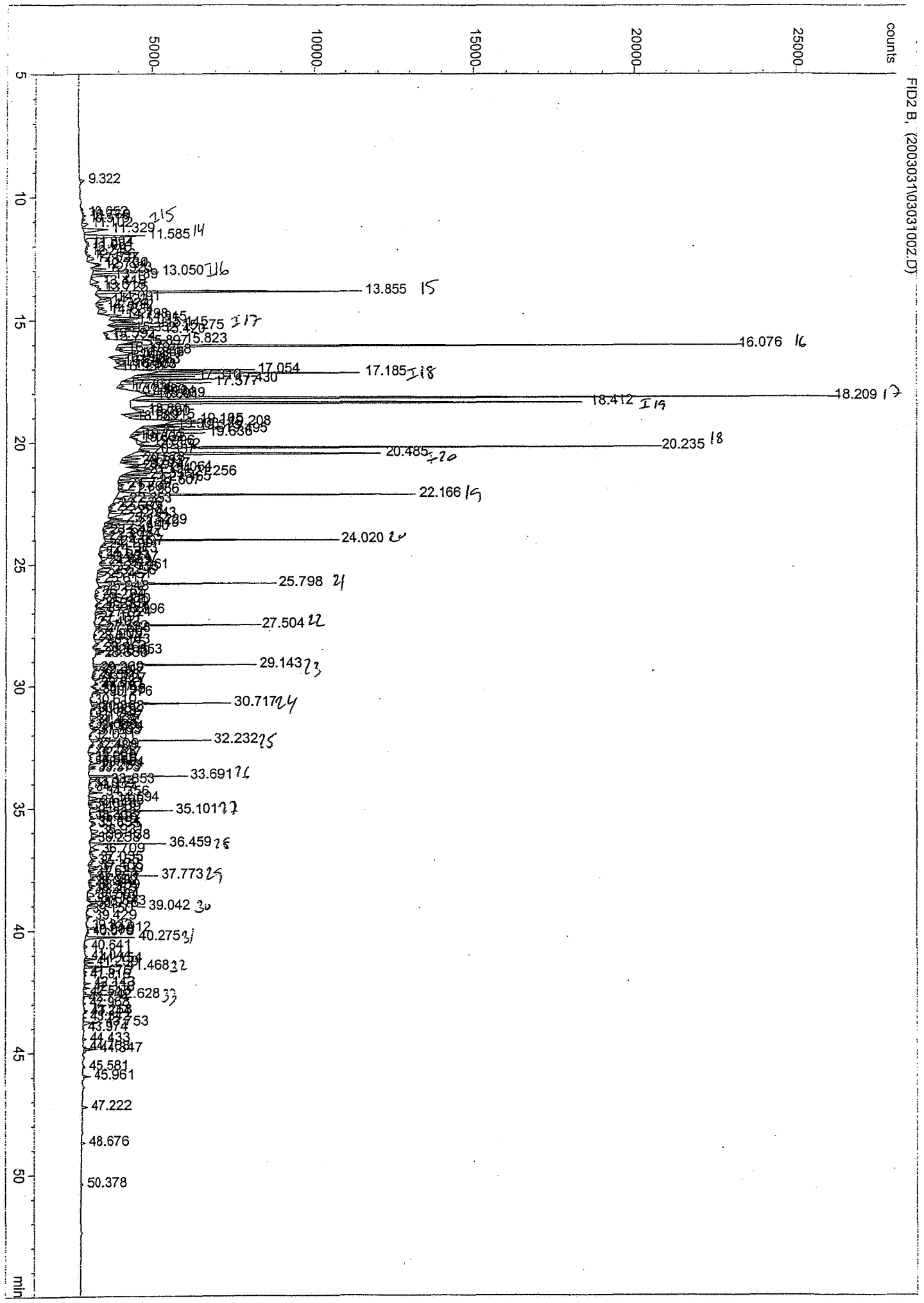
*** End of Report ***

2003031-9194, Well 3/7-6, 3647.40m, core, ali: 1.8 mg,
kørt d. 31. oktober 2003.

==========

Injection Date	: 31-10-03 15:03:20	Seq. Line :	2
Sample Name	: 2003031-9194	Vial :	2
Acq. Operator	: DD	Inj :	1
		Inj Volume :	1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\ERIC.S		
Method	: C:\HPCHEM\1\METHODS\GCN(1A).M		
Last changed	: 17-07-01 13:29:03 by DD		

Metode baseret på Norsk Industristandard


5000
10000
15000
20000
25000
counts
FID2 B, (2003031\03031002.D)
9.322
11.329
11.585 14
13.050 16
13.855 15
15.823
16.076 16
17.054
17.185 18
17.377
18.209 17
18.412 19
19.636
20.235 18
20.485 20
22.166 19
24.020 20
25.798 21
27.504 22
29.143 23
30.717 24
32.232 25
33.691 26
35.101 27
36.459 28
37.773 29
39.042 30
40.275 31
41.468 32
43.974
44.433
45.581
45.961
47.222
48.676
50.378
min

Normalized Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000
Uncalibrated Peaks : not reported

Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: FID2 B,
Results obtained with enhanced integrator!

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
1	9.322	PBA	0.1680	1837.13501	139.13321	0.25002	
2	10.652	PB	0.1219	484.04312	51.37615	0.06588	
3	10.769	VB	0.0565	356.24469	93.45338	0.04848	
4	10.915	VB	0.0678	351.31088	70.88400	0.04781	
5	11.102	VB	0.0765	1061.21936	192.08350	0.14443	
6	11.329	VBA	0.0898	5451.61572	818.02808	0.74193	I15
7	11.585	PB	0.0715	9354.53906	1899.54895	1.27309	14
8	11.894	VB	0.0766	380.91589	66.74237	0.05184	
9	11.981	VB	0.0668	328.59326	75.43105	0.04472	
10	12.110	VB	0.0538	222.93648	62.25852	0.03034	
11	12.242	VB	0.0517	221.25325	68.39369	0.03011	
12	12.376	VB	0.0529	351.84058	111.32790	0.04788	
13	12.527	VB	0.0820	1237.85681	206.32217	0.16846	
14	12.730	VB	0.0444	669.26294	226.70900	0.09108	
15	12.794	VB	0.0424	496.31592	178.87186	0.06755	
16	12.923	VB	0.0508	1588.63928	477.27515	0.21620	
17	13.050	VB	0.0603	7832.69385	2063.55322	1.06598	I16
18	13.189	VBA	0.0779	3523.45898	643.66309	0.47952	
19	13.449	BB	0.0853	1821.65027	315.91534	0.24792	
20	13.615	VB	0.0575	730.88318	196.06010	0.09947	
21	13.725	VB	0.0594	459.90378	129.73506	0.06259	
22	13.855	VB	0.0534	2.77032e4	8192.85156	3.77023	15
23	14.091	VB	0.0567	1547.23535	443.34625	0.21057	
24	14.221	VB	0.0720	1623.16162	305.38251	0.22090	
25	14.374	VB	0.0585	901.09283	247.55412	0.12263	
26	14.504	VB	0.0504	561.17157	179.86279	0.07637	
27	14.634	VB	0.0935	1868.38220	267.45184	0.25428	
28	14.798	VB	0.0496	1727.54492	508.81024	0.23511	

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
29	14.915	VB	0.0662	4214.41650	907.23608	0.57356	
30	15.035	VB	0.0416	1577.31287	622.70917	0.21466	
31	15.145	VB	0.0543	5323.68115	1540.76245	0.72452	
32	15.275	VB	0.0434	5441.44873	2024.98352	0.74055	I17
33	15.352	VB	0.0322	741.13507	389.87943	0.10086	
34	15.420	VB	0.0378	3424.03052	1436.44324	0.46599	
35	15.592	VB	0.0803	518.63013	107.54954	0.07058	
36	15.724	VB	0.0512	376.58804	106.72040	0.05125	
37	15.823	VB	0.0390	4475.44141	1800.11047	0.60908	
38	15.897	VB	0.0600	1181.90173	299.92395	0.16085	
39	16.076	VB	0.0413	5.12853e4	1.91306e4	6.97961	16
40	16.179	VB	0.0402	587.73767	213.02313	0.07999	
41	16.258	VB	0.0593	2587.56128	767.98285	0.35215	
42	16.356	VB	0.0353	567.67908	284.58606	0.07726	
43	16.410	VB	0.0282	422.92560	270.69598	0.05756	
44	16.553	VB	0.0469	1122.45630	375.75613	0.15276	
45	16.663	VB	0.0476	1623.71936	564.29834	0.22098	
46	16.737	VB	0.0351	205.21506	103.72743	0.02793	
47	16.809	VB	0.0298	411.33090	220.15849	0.05598	
48	16.858	VB	0.0366	677.03632	296.60370	0.09214	
49	16.959	VB	0.0341	157.03519	75.98256	0.02137	
50	17.054	VB	0.0453	9945.24023	3486.12793	1.35348	
51	17.185	VB	0.0526	2.05941e4	6565.12109	2.80272	I18
52	17.310	VB	0.0371	4412.98096	1896.49438	0.60058	
53	17.430	VB	0.0404	8397.16797	3220.39648	1.14280	
54	17.577	VB	0.0407	7328.11719	2782.52588	0.99731	
55	17.703	VB	0.0663	848.23505	182.15121	0.11544	
56	17.826	VB	0.0389	333.89023	144.64020	0.04544	
57	17.900	VB	0.0312	344.86099	190.15726	0.04693	
58	17.964	VB	0.0336	634.09198	313.37732	0.08630	
59	18.039	VB	0.0351	943.01947	438.62085	0.12834	
60	18.091	VB	0.0255	345.31577	230.33606	0.04700	
61	18.209	VB	0.0434	6.16752e4	2.15236e4	8.39360	17
62	18.412	VB	0.0645	5.63142e4	1.41314e4	7.66400	I19
63	18.691	VB	0.0737	1316.80615	226.77608	0.17921	
64	18.790	VB	0.0389	658.41473	265.39694	0.08961	
65	18.915	VB	0.0540	2329.79395	715.77136	0.31707	
66	18.989	VB	0.0218	111.59953	82.38892	0.01519	
67	19.105	VB	0.0393	3164.31274	1180.92542	0.43064	
68	19.208	VB	0.0494	5978.20215	1683.22107	0.81360	
69	19.308	VB	0.0358	1155.84790	566.85138	0.15730	
70	19.379	VB	0.0301	3150.17139	1665.91870	0.42872	
71	19.495	VB	0.0405	6747.89209	2577.80615	0.91835	
72	19.636	VB	0.0361	5011.45508	2242.84058	0.68203	
73	19.715	VB	0.0343	522.32587	251.27498	0.07109	
74	19.777	VB	0.0271	238.84441	145.61391	0.03251	
75	19.867	VB	0.0557	412.63034	121.13440	0.05616	
76	19.996	VB	0.0545	1425.96375	374.16306	0.19406	
77	20.132	VB	0.0291	816.50256	451.31592	0.11112	

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %
78	20.235	VB	0.0392	4.01922e4	1.60676e4	5.46991
79	20.357	VB	0.0308	696.65985	356.90723	0.09481
80	20.485	VB	0.0605	2.95200e4	7735.60059	4.01748
81	20.678	VB	0.0663	1953.86646	492.31519	0.26591
82	20.793	VB	0.0411	1219.70667	489.13113	0.16599
83	20.917	VB	0.0412	990.64984	395.96631	0.13482
84	20.974	VB	0.0406	445.03912	169.66058	0.06057
85	21.064	VB	0.0477	3534.17969	1093.26648	0.48098
86	21.154	VB	0.0196	268.69592	229.97939	0.03657
87	21.256	VB	0.0506	6343.86523	1918.41833	0.86336
88	21.356	VB	0.0328	1408.11682	719.84967	0.19164
89	21.465	VB	0.0407	3903.46924	1391.01208	0.53124
90	21.607	VB	0.0376	2613.17578	1105.30347	0.35564
91	21.739	VB	0.0516	520.67377	170.60733	0.07086
92	21.867	VB	0.0722	680.67279	131.80954	0.09264
93	21.966	VB	0.0382	1027.22339	425.13376	0.13980
94	22.166	VB	0.0440	2.68634e4	9205.49805	3.65593
95	22.353	VB	0.0844	1892.97961	313.75815	0.25762
96	22.536	VB	0.0850	626.47290	102.95303	0.08526
97	22.683	VB	0.0563	571.00116	143.96118	0.07771
98	22.818	VB	0.0365	515.86688	227.20793	0.07021
99	22.943	VB	0.0731	3424.16919	654.33905	0.46601
100	23.132	VB	0.0404	962.61310	395.51044	0.13101
101	23.229	VB	0.0520	3098.84009	1004.00818	0.42173
102	23.349	VB	0.0392	2225.39600	888.67804	0.30286
103	23.490	VB	0.0411	1569.80640	588.44476	0.21364
104	23.642	VB	0.0360	314.15594	130.84468	0.04275
105	23.784	VB	0.0683	1576.28015	326.62457	0.21452
106	23.892	VB	0.0285	89.95719	51.26266	0.01224
107	24.020	VB	0.0376	1.69975e4	7191.17773	2.31325
108	24.097	VB	0.0411	1036.30432	388.81952	0.14103
109	24.199	VB	0.0572	417.18256	112.56586	0.05678
110	24.373	VB	0.0711	1783.16882	329.53766	0.24268
111	24.535	VB	0.0725	448.28806	99.59672	0.06101
112	24.651	VB	0.0338	204.80487	92.70463	0.02787
113	24.747	VB	0.0569	1287.09741	334.75134	0.17517
114	24.859	VB	0.0321	197.90871	95.61358	0.02693
115	24.943	VB	0.0302	370.66483	195.07613	0.05045
116	25.061	VB	0.0455	2101.95776	654.21924	0.28606
117	25.155	VB	0.0285	508.69562	289.76642	0.06923
118	25.296	VB	0.0371	927.66321	399.61884	0.12625
119	25.451	VB	0.0690	1325.22620	253.50900	0.18035
120	25.617	VB	0.0471	397.41379	132.00134	0.05409
121	25.798	VB	0.0395	1.38980e4	5493.99072	1.89142
122	25.948	VB	0.0522	416.63815	127.29528	0.05670
123	26.155	VB	0.0758	803.33514	146.82399	0.10933
124	26.284	VB	0.0525	462.06833	140.17978	0.06288
125	26.470	VB	0.0702	1328.09229	257.40640	0.18074
126	26.599	VB	0.0379	388.63110	162.27901	0.05289

18

I20

19

20

21

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
127	26.683	VB	0.0340	193.73462	94.28473	0.02637	
128	26.791	VB	0.0423	564.82623	192.24947	0.07687	
129	26.896	VB	0.0465	2233.40063	713.49792	0.30395	
130	27.024	VB	0.0538	1190.45325	331.99994	0.16201	
131	27.197	VBA	0.2315	1548.41138	82.31733	0.21073	
132	27.402	PB	0.0304	79.29150	45.33084	0.01079	
133	27.504	VB	0.0373	1.18924e4	5087.17432	1.61849	22
134	27.592	VB	0.0390	454.02817	196.33560	0.06179	
135	27.668	VBA	0.0972	1966.23608	263.04510	0.26759	
136	27.909	BB	0.0478	379.93372	117.37988	0.05171	
137	28.007	VB	0.0307	85.79380	48.37401	0.01168	
138	28.143	VB	0.0822	1671.18481	303.60590	0.22744	
139	28.275	VB	0.0692	674.13165	132.94392	0.09175	
140	28.464	VB	0.0370	649.81085	281.14761	0.08844	
141	28.553	VB	0.0358	1471.17224	666.54010	0.20022	
142	28.619	VB	0.0295	482.31573	261.43427	0.06564	
143	28.686	VBA	0.1072	1725.14417	207.11278	0.23478	
144	29.143	BB	0.0381	1.21902e4	5069.03564	1.65902	23
145	29.269	VB	0.0385	322.68039	141.83842	0.04391	
146	29.347	VB	0.0379	390.52390	175.96552	0.05315	
147	29.491	VB	0.0719	478.31393	99.86639	0.06510	
148	29.588	VB	0.0460	259.24277	83.93994	0.03528	
149	29.727	VB	0.0489	816.15326	258.12109	0.11107	
150	29.881	VB	0.0360	236.91721	106.12103	0.03224	
151	29.941	VB	0.0416	393.85910	145.37466	0.05360	
152	30.070	VB	0.0347	291.58459	127.24748	0.03968	
153	30.149	VB	0.0262	221.76978	142.18822	0.03018	
154	30.195	VB	0.0289	261.73358	146.11183	0.03562	
155	30.276	VBA	0.0685	2290.50586	456.48450	0.31172	
156	30.610	PB	0.0354	99.35048	42.36231	0.01352	
157	30.717	VB	0.0379	1.03945e4	4343.04492	1.41463	24
158	30.868	VB	0.0389	517.09186	208.75989	0.07037	
159	30.952	VB	0.0388	317.27240	137.96696	0.04318	
160	31.023	VB	0.0255	69.32518	41.38892	0.00943	
161	31.110	VB	0.0428	146.66939	52.09855	0.01996	
162	31.267	VB	0.0725	1248.73889	233.05635	0.16995	
163	31.427	VB	0.0401	280.14819	116.21735	0.03813	
164	31.498	VB	0.0295	126.40968	68.72687	0.01720	
165	31.605	VB	0.0375	175.40147	74.32487	0.02387	
166	31.684	VB	0.0397	599.93042	252.97382	0.08165	
167	31.769	VB	0.0326	273.28693	141.04738	0.03719	
168	31.853	VBA	0.1776	1636.52148	112.60737	0.22272	
169	32.031	BBA	0.3237	1354.49304	50.69296	0.18434	
170	32.232	BBA	0.0387	9873.14160	3752.63159	1.34367	25
171	32.409	BB	0.0375	221.55042	93.90651	0.03015	
172	32.488	VBA	0.2227	1456.08826	80.63163	0.19816	
173	32.747	PBA	0.1126	2086.94727	242.10437	0.28402	
174	32.908	BB	0.0320	115.07654	55.90181	0.01566	
175	32.989	VB	0.0321	115.19956	55.69072	0.01568	

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
176	33.089	VB	0.0345	112.87187	53.73899	0.01536	
177	33.164	VBA	0.0923	1896.06006	268.75656	0.25804	
178	33.289	BB	0.0395	519.95184	220.64076	0.07076	
179	33.373	VBA	0.1155	1723.67554	194.26672	0.23458	
180	33.691	PBA	0.0436	8813.39941	3058.68848	1.19945	26
181	33.853	BB	0.0430	1693.06262	597.72113	0.23042	
182	33.974	VB	0.0378	115.10868	48.29010	0.01567	
183	34.053	VB	0.0322	64.47102	33.89576	0.00877	
184	34.174	VBA	0.1759	1737.50061	122.21761	0.23646	
185	34.356	BBA	0.0728	2385.94946	443.29703	0.32471	
186	34.594	BB	0.0492	2446.67993	767.36523	0.33298	
187	34.725	VB	0.0577	1082.32471	302.61548	0.14730	
188	34.848	VB	0.0441	281.06708	102.04078	0.03825	
189	34.969	VB	0.0371	416.04803	178.94127	0.05662	
190	35.101	VB	0.0414	6978.12793	2594.22412	0.94968	27
191	35.232	VB	0.0468	153.83182	54.72869	0.02094	
192	35.336	VB	0.0318	142.77110	64.60335	0.01943	
193	35.407	VB	0.0397	417.31006	176.02388	0.05679	
194	35.594	VB	0.0518	369.18930	98.37471	0.05024	
195	35.655	VB	0.0569	447.33658	111.27284	0.06088	
196	35.931	VB	0.0868	1507.07898	241.46912	0.20510	
197	36.138	VB	0.0621	1689.28845	410.07611	0.22990	
198	36.258	VB	0.0411	356.07404	133.42088	0.04846	
199	36.459	VB	0.0432	6395.17188	2392.79321	0.87034	28
200	36.709	VB	0.0701	1347.36963	290.29541	0.18337	
201	37.035	VB	0.0892	1437.00757	211.63780	0.19557	
202	37.165	VB	0.0833	891.78925	138.18465	0.12137	
203	37.405	VB	0.0586	976.86896	280.44626	0.13295	
204	37.509	VB	0.0456	766.59473	266.33423	0.10433	
205	37.621	VB	0.0410	335.43939	134.99312	0.04565	
206	37.773	VB	0.0375	4997.97070	2120.20166	0.68019	29
207	37.856	VB	0.0514	227.13464	70.85612	0.03091	
208	37.947	VB	0.0338	340.90762	167.42372	0.04640	
209	38.049	VB	0.0367	217.91086	95.27971	0.02966	
210	38.189	VB	0.0560	602.38391	167.33798	0.08198	
211	38.279	VB	0.0441	209.55450	81.22308	0.02852	
212	38.355	VB	0.0412	167.46986	66.97393	0.02279	
213	38.584	VB	0.1006	1555.94763	214.64609	0.21175	
214	38.719	VB	0.0453	315.43018	104.16581	0.04293	
215	38.843	VB	0.0429	936.47351	332.47455	0.12745	
216	38.918	VB	0.0359	235.06281	105.97558	0.03199	
217	39.042	VB	0.0407	4733.00391	1798.31567	0.64413	30
218	39.150	VBA	0.4078	1345.13733	39.45003	0.18306	
219	39.429	BBA	0.1536	1967.91333	159.86327	0.26782	
220	39.832	PB	0.0271	59.77635	40.84063	0.00814	
221	39.912	VB	0.0366	1377.27759	562.10602	0.18744	
222	40.006	VB	0.0300	85.25548	49.62010	0.01160	
223	40.079	VB	0.0440	236.74786	76.62553	0.03222	
224	40.275	VB	0.0443	4565.91699	1551.32043	0.62139	31

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %
225	40.641	VBA	0.2109	1653.38586	96.01564	0.22502
226	41.044	BB	0.0453	220.62827	72.88789	0.03003
227	41.154	VB	0.0415	1052.72485	389.79465	0.14327
228	41.299	VB	0.0462	812.09058	276.97754	0.11052
229	41.468	VB	0.0408	3249.77954	1231.59985	0.44227
230	41.676	VB	0.0499	292.90872	90.04720	0.03986
231	41.816	VBA	0.2946	1413.63831	58.77768	0.19239
232	42.143	PBA	0.1108	1747.65369	202.36490	0.23784
233	42.338	BBA	0.1146	1661.87366	188.90442	0.22617
234	42.518	BB	0.0574	205.39728	64.15098	0.02795
235	42.628	VB	0.0402	2473.58252	956.13452	0.33664
236	42.754	VBA	0.3638	1275.08313	41.80627	0.17353
237	42.968	BBA	0.2583	1382.64880	66.02976	0.18817
238	43.268	PB	0.0378	188.42317	85.16744	0.02564
239	43.344	VBA	0.2616	1324.77295	61.41790	0.18029
240	43.542	BBA	0.1982	1369.08191	84.85617	0.18632
241	43.753	BBA	0.0704	3245.79565	627.22235	0.44173
242	43.974	PB	0.0401	70.58072	29.26147	0.00961
243	44.433	PBA	0.2006	1452.33240	89.83205	0.19765
244	44.768	PB	0.0344	137.45157	65.79092	0.01871
245	44.847	VBA	0.0830	2556.41089	420.05374	0.34791
246	45.581	BBA	0.2963	1341.56201	54.67554	0.18258
247	45.961	PBA	0.1040	1698.50391	210.77151	0.23116
248	47.222	PBA	0.1408	1664.67957	153.15546	0.22655
249	48.676	PBA	0.1890	1551.87329	103.43342	0.21120
250	50.378	PBA	0.2929	1421.93628	60.34612	0.19352
Totals :				7.34788e5	2.34961e5	

32

33

Calibration Curves

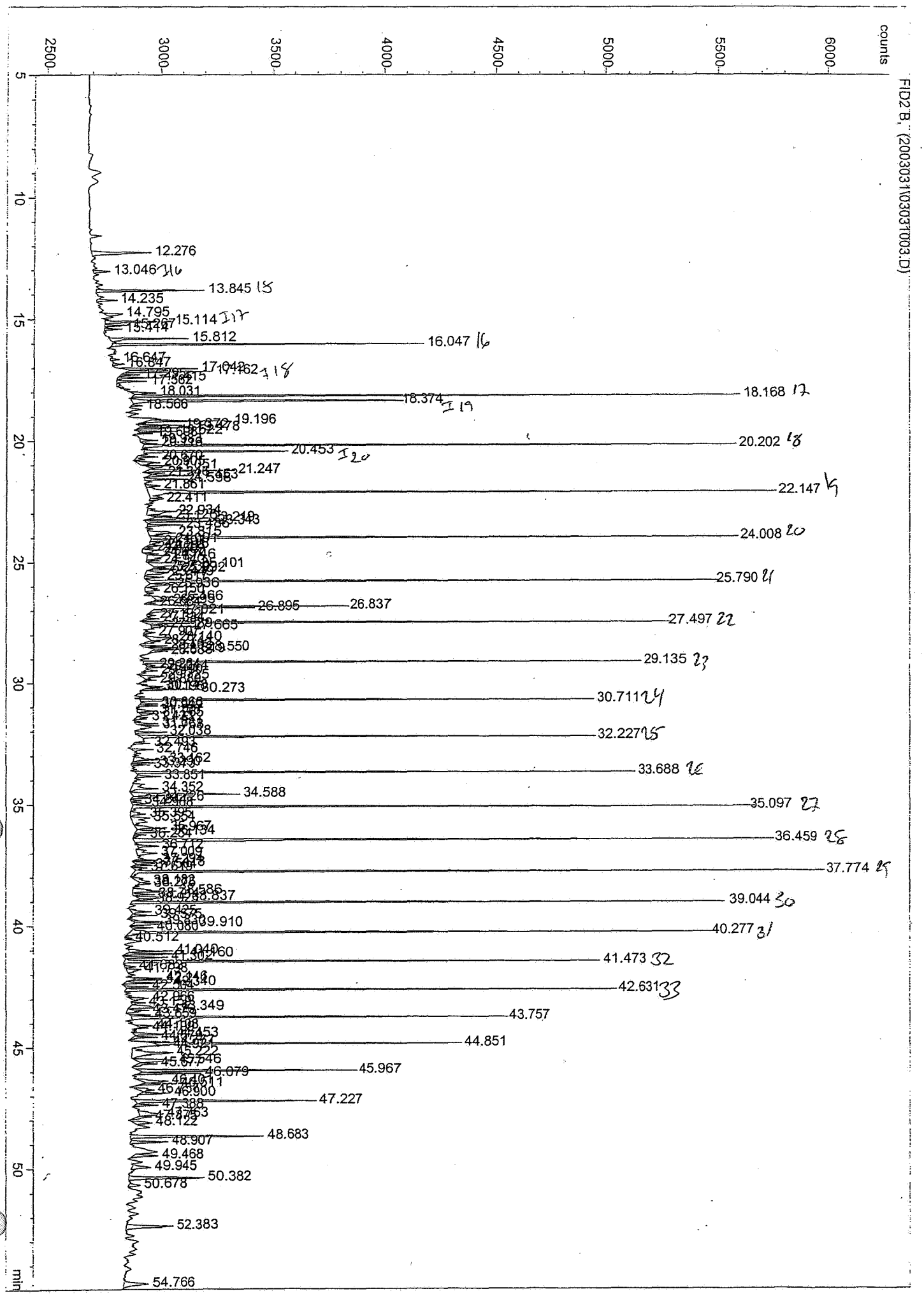
*** End of Report ***

2003031-9195, Well 3/7-6, 3646.31m, core seal peel, ali
: 0.2 mg, kørt d. 31. oktober 2003.

==========

Injection Date	: 31-10-03 16:11:16	Seq. Line :	3
Sample Name	: 2003031-9195	Vial :	3
Acq. Operator	: DD	Inj :	1
		Inj Volume :	1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\ERIC.S		
Method	: C:\HPCHEM\1\METHODS\GCN(1A).M		
Last changed	: 17-07-01 13:29:03 by DD		

Metode baseret på Norsk Industristandard


counts
2500
3000
3500
4000
4500
5000
5500
6000
min
5
10
15
20
25
30
35
40
45
50
FID2 B, (2003031\03031003.D)
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13.046
13.845
14.235
14.795
15.114
15.812
16.047
16.647
16.847
17.042
17.462
18.031
18.168
18.374
18.566
19.196
20.202
20.453
21.247
21.861
22.147
22.411
24.008
25.101
25.790
26.837
26.895
27.497
29.135
30.273
30.711
32.227
33.688
34.588
35.097
36.459
37.774
39.044
39.910
40.277
41.473
42.631
43.757
44.851
45.967
47.227
48.683
49.468
49.945
50.382
50.678
52.383
54.766

Normalized Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000
Uncalibrated Peaks : not reported

Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: FID2 B,
Results obtained with enhanced integrator!

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
1	12.276	BBA	0.1186	2372.96777	259.59030	0.81669	
2	13.046	PBA	0.2323	1348.65710	71.41023	0.46416	I16
3	13.845	BBA	0.0757	2615.06299	478.99677	0.90001	15
4	14.235	BBA	0.1989	1363.53259	85.12088	0.46928	
5	14.795	PBA	0.2187	1444.86548	80.77697	0.49727	
6	15.114	PB	0.0512	929.78143	291.97437	0.32000	I17
7	15.267	VB	0.0426	279.99811	106.81157	0.09637	
8	15.414	VBA	0.2197	1362.79834	76.56460	0.46903	
9	15.812	PBA	0.0839	2185.39966	354.51749	0.75214	
10	16.047	BBA	0.0486	4597.59717	1390.46863	1.58234	16
11	16.647	BBA	0.3748	1227.05273	39.67465	0.42231	
12	16.847	BBA	0.2963	1253.95532	50.74620	0.43157	
13	17.042	PB	0.0492	1009.19336	334.75916	0.34733	
14	17.162	VB	0.0522	1158.43005	373.20532	0.39869	I18
15	17.295	VB	0.0373	199.97333	85.56590	0.06882	
16	17.415	VB	0.0399	483.35788	188.39377	0.16636	
17	17.562	VBA	0.1483	1583.21973	133.51144	0.54489	
18	18.031	BB	0.0599	449.24326	105.06224	0.15461	
19	18.168	VBA	0.0421	7457.47559	2713.72217	2.56661	17
20	18.374	BBA	0.0694	5423.68555	1183.85303	1.86665	I19
21	18.566	BBA	0.3333	1257.65015	45.66937	0.43284	
22	19.196	VB	0.0394	984.21149	366.00458	0.33873	
23	19.372	VB	0.0396	457.55066	193.33983	0.15747	
24	19.478	VB	0.0349	547.90320	237.85231	0.18857	
25	19.622	VB	0.0347	353.37973	167.21069	0.12162	
26	19.698	VBA	0.2610	1274.48206	59.23538	0.43863	
27	19.983	BBA	0.2303	1374.00989	72.77409	0.47289	
28	20.116	PB	0.0321	117.30516	61.86395	0.04037	

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
29	20.202	VBA	0.0423	7337.90527	2647.03003	2.52545	18
30	20.453	PBA	0.0800	3490.97803	636.62952	1.20147	20
31	20.670	PBA	0.2190	1553.68042	87.56493	0.53472	
32	20.905	BB	0.0673	474.69769	100.08628	0.16337	
33	21.051	VBA	0.1683	1556.87317	114.76833	0.53582	
34	21.247	BB	0.0474	1174.76062	387.63687	0.40431	
35	21.346	VBA	0.2228	1357.52002	73.73280	0.46721	
36	21.453	BBA	0.1111	1624.78979	187.45581	0.55920	
37	21.598	BBA	0.1202	1629.82422	172.60330	0.56093	
38	21.861	PB	0.0551	206.37120	61.63283	0.07103	
39	22.147	VB	0.0429	7913.47559	2806.67310	2.72355	19
40	22.411	VBA	0.3007	1369.81653	54.60517	0.47144	
41	22.934	BBA	0.2001	1961.19202	121.62470	0.67497	
42	23.126	BB	0.0390	184.01192	79.49483	0.06333	
43	23.219	VB	0.0589	894.39038	254.88437	0.30782	
44	23.343	VBA	0.0845	1917.15759	300.33752	0.65982	
45	23.486	PBA	0.1280	1574.05713	155.58069	0.54174	
46	23.815	BB	0.0862	762.36475	116.76215	0.26238	
47	24.008	VB	0.0373	6130.70117	2620.86230	2.10998	20
48	24.091	VB	0.0497	295.39658	91.31065	0.10167	
49	24.197	VB	0.0512	150.71310	44.81746	0.05187	
50	24.316	VB	0.0401	161.30710	66.89529	0.05552	
51	24.420	VB	0.0402	92.70729	38.34073	0.03191	
52	24.509	VB	0.0644	346.88657	74.34375	0.11939	
53	24.657	VB	0.0356	127.33340	58.11652	0.04382	
54	24.746	VB	0.0875	630.35126	97.45108	0.21695	
55	24.940	VB	0.0335	120.07346	54.82983	0.04133	
56	25.101	VB	0.0853	1421.94287	209.26648	0.48938	
57	25.230	VB	0.0298	89.95611	48.21011	0.03096	
58	25.292	VB	0.0338	253.80386	124.44508	0.08735	
59	25.449	VB	0.0752	521.10095	96.16269	0.17935	
60	25.617	VB	0.0424	218.29840	78.58398	0.07513	
61	25.790	VB	0.0388	6235.75342	2526.31616	2.14613	21
62	25.936	VB	0.0687	448.38889	107.51799	0.15432	
63	26.150	VB	0.0786	352.00714	59.88826	0.12115	
64	26.466	VB	0.0553	394.85519	101.62852	0.13590	
65	26.595	VB	0.0373	147.43752	67.91113	0.05074	
66	26.684	VB	0.0343	90.69845	40.26441	0.03122	
67	26.837	VB	0.0340	1438.59058	700.23511	0.49511	
68	26.895	VB	0.0279	501.06290	294.16995	0.17245	
69	27.021	VB	0.0524	428.08649	117.80610	0.14733	
70	27.192	VBA	0.3994	1272.03003	38.11240	0.43779	
71	27.334	BBA	0.2756	1336.66455	58.72259	0.46003	
72	27.497	BB	0.0375	5490.80615	2333.10962	1.88975	22
73	27.589	VB	0.0346	153.52448	72.71682	0.05284	
74	27.665	VBA	0.1182	1593.64624	175.10533	0.54848	
75	27.907	BBA	0.3701	1310.64294	42.46805	0.45108	
76	28.140	PB	0.0827	691.99072	121.04722	0.23816	
77	28.274	VBA	0.3721	1392.73596	44.87929	0.47933	

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
78	28.462	PB	0.0356	239.93929	109.24234	0.08258	
79	28.550	VB	0.0346	501.97134	237.67368	0.17276	
80	28.619	VB	0.0307	218.11357	111.87266	0.07507	
81	28.688	VBA	0.2320	1339.02747	69.74537	0.46085	
82	29.135	BBA	0.0429	6265.81641	2222.47461	2.15648	23
83	29.264	BB	0.0357	80.49841	39.66323	0.02770	
84	29.344	VBA	0.2323	1330.39844	69.81571	0.45788	
85	29.490	BBA	0.2972	1321.95752	53.69888	0.45497	
86	29.725	PB	0.0660	438.83871	98.39256	0.15103	
87	29.880	VBA	0.3311	1300.44543	47.25462	0.44757	
88	30.148	PB	0.0334	126.65022	58.11749	0.04359	
89	30.195	VB	0.0246	58.78316	41.43465	0.02023	
90	30.273	VBA	0.0933	1736.37329	243.04948	0.59760	
91	30.711	BBA	0.0418	5866.52051	2025.89807	2.01905	24
92	30.866	BB	0.0359	174.46925	73.00748	0.06005	
93	30.949	VBA	0.2089	1352.29675	80.11659	0.46541	
94	31.158	BB	0.0502	282.70569	78.17605	0.09730	
95	31.265	VBA	0.2159	1435.52148	81.32824	0.49406	
96	31.423	PBA	0.3618	1386.76172	45.98582	0.47728	
97	31.681	BB	0.0424	261.59390	94.18105	0.09003	
98	31.768	VBA	0.2290	1319.09509	69.62691	0.45399	
99	32.038	PBA	0.1411	1477.00256	131.38928	0.50833	
100	32.227	BBA	0.0449	6055.20801	2027.00818	2.08399	25
101	32.493	PBA	0.2393	1324.46289	67.99521	0.45583	
102	32.746	PBA	0.1946	1438.81628	91.94462	0.49519	
103	33.162	BB	0.0574	552.57959	136.12909	0.19018	
104	33.290	VB	0.0400	241.84180	100.80035	0.08323	
105	33.373	VBA	0.2058	1344.19531	80.08846	0.46263	
106	33.688	BBA	0.0430	6293.40283	2224.62036	2.16597	26
107	33.851	BBA	0.1780	1436.96729	99.77999	0.49455	
108	34.352	BB	0.0847	720.45056	115.63956	0.24795	
109	34.588	VB	0.0646	1968.94849	472.90259	0.67764	
110	34.726	VB	0.0492	345.65518	114.52201	0.11896	
111	34.844	VB	0.0370	102.65680	44.36717	0.03533	
112	34.968	VB	0.0501	223.30524	64.93243	0.07685	
113	35.097	VB	0.0384	6678.59961	2740.63013	2.29854	27
114	35.395	VB	0.0677	339.61151	66.41541	0.11688	
115	35.554	VB	0.1298	832.57214	81.05495	0.28654	
116	35.967	VB	0.0608	563.38843	129.40866	0.19390	
117	36.134	VB	0.0730	663.18732	145.86823	0.22825	
118	36.254	VBA	0.3092	1307.37207	50.98621	0.44995	
119	36.459	BBA	0.0491	9534.43750	2848.17749	3.28143	28
120	36.712	BBA	0.2061	1448.24146	87.94968	0.49843	
121	37.009	PBA	0.2416	1699.16467	85.60560	0.58479	
122	37.294	BB	0.0374	234.74568	100.13424	0.08079	
123	37.418	VB	0.0628	390.09674	106.24734	0.13426	
124	37.504	VB	0.0408	190.92233	72.33843	0.06571	
125	37.619	VB	0.0471	204.98221	61.17810	0.07055	
126	37.774	VBA	0.0436	8870.36914	3077.89209	3.05288	29

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
127	38.182	BB	0.1098	384.60855	46.81471	0.13237	
128	38.275	VBA	0.3403	1323.66028	47.04522	0.45556	
129	38.586	BB	0.0597	803.13635	188.53105	0.27641	
130	38.714	VB	0.0406	244.73805	93.20184	0.08423	
131	38.837	VB	0.0501	686.32111	222.05087	0.23621	
132	38.925	VB	0.0446	175.99072	67.14311	0.06057	
133	39.044	VBA	0.0463	7788.76172	2650.62744	2.68062	30
134	39.425	PB	0.0664	395.72314	84.92994	0.13619	
135	39.575	VB	0.0433	312.18274	109.28907	0.10744	
136	39.830	VB	0.0434	330.90854	115.55088	0.11389	
137	39.910	VB	0.0501	893.29010	273.67191	0.30744	
138	40.080	VB	0.0435	249.28375	92.19472	0.08579	
139	40.277	VB	0.0403	6699.75537	2580.44531	2.30583	31
140	40.512	VB	0.0358	66.19474	29.93703	0.02278	
141	41.040	BB	0.0429	535.67053	189.83281	0.18436	
142	41.160	VB	0.0455	768.51074	267.27078	0.26449	
143	41.302	VB	0.0465	588.43927	188.07465	0.20252	
144	41.473	VB	0.0426	5574.85547	2123.47388	1.91867	32
145	41.682	VB	0.0573	179.62810	48.44586	0.06182	
146	41.798	VBA	0.2782	1501.96057	65.34647	0.51692	
147	42.146	PB	0.0346	266.05133	126.33769	0.09157	
148	42.211	VB	0.0340	256.09100	124.48444	0.08814	
149	42.340	VB	0.0419	545.84894	199.74318	0.18786	
150	42.504	VB	0.0435	276.62100	102.51485	0.09520	
151	42.631	VBA	0.0452	6592.97656	2183.12402	2.26908	33
152	42.966	PBA	0.2131	1460.69104	83.89702	0.50272	
153	43.159	PB	0.0445	165.72418	59.54068	0.05704	
154	43.349	VB	0.0562	836.35486	210.98953	0.28784	
155	43.476	VBA	0.2012	1553.23938	94.76503	0.53457	
156	43.659	BB	0.0359	206.11392	93.00169	0.07094	
157	43.757	VBA	0.0503	5742.60303	1662.08618	1.97641	
158	44.108	PB	0.0498	236.39221	69.36092	0.08136	
159	44.199	VBA	0.3155	1246.70349	47.60520	0.42907	
160	44.453	PB	0.0480	545.80615	167.46988	0.18785	
161	44.579	VB	0.0494	332.02103	103.44242	0.11427	
162	44.777	VB	0.0310	184.64131	102.53974	0.06355	
163	44.851	VB	0.0374	3192.24854	1358.82861	1.09866	
164	44.921	VB	0.0272	106.11880	64.35339	0.03652	
165	45.222	VB	0.1079	1492.34924	177.89000	0.51362	
166	45.546	VB	0.0822	1035.67065	167.40051	0.35644	
167	45.677	VBA	0.2260	1479.57117	79.18680	0.50922	
168	45.967	BB	0.0473	2891.94434	955.11206	0.99531	
169	46.079	VBA	0.0921	1904.24646	277.47314	0.65538	
170	46.401	PB	0.0725	570.15662	109.87861	0.19623	
171	46.511	VBA	0.1318	1598.83252	153.18954	0.55026	
172	46.757	BB	0.0808	398.22961	65.64938	0.13706	
173	46.900	VBA	0.1527	1536.32251	127.38081	0.52875	
174	47.227	BB	0.0555	2852.45776	801.66779	0.98172	
175	47.388	VBA	0.1872	1495.16650	100.71526	0.51458	

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %
176	47.763	BB	0.1079	706.24426	100.64111	0.24307
177	47.875	VBA	0.2957	1421.27954	58.04594	0.48916
178	48.122	BBA	0.2543	1610.65918	77.54154	0.55433
179	48.683	PBA	0.0834	3399.21631	588.64038	1.16989
180	48.907	BBA	0.1446	1788.52881	162.30702	0.61555
181	49.468	BBA	0.1907	1614.64709	107.82546	0.55571
182	49.945	BBA	0.2348	1606.32385	82.61414	0.55284
183	50.382	PBA	0.1199	2753.69971	334.82755	0.94773
184	50.678	PBA	0.3431	1391.40784	49.93791	0.47887
185	52.383	PBA	0.1538	2361.31567	202.83833	0.81268
186	54.766	BBA	0.2219	1942.56250	111.16718	0.66856
Totals :				2.90558e5	7.11800e4	

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Calibration Curves

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*** End of Report ***

2003031-9196, Well 3/7-6, 3648.78m, core seal peel, ali
: 0.7 mg, kørt d. 31. oktober 2003.

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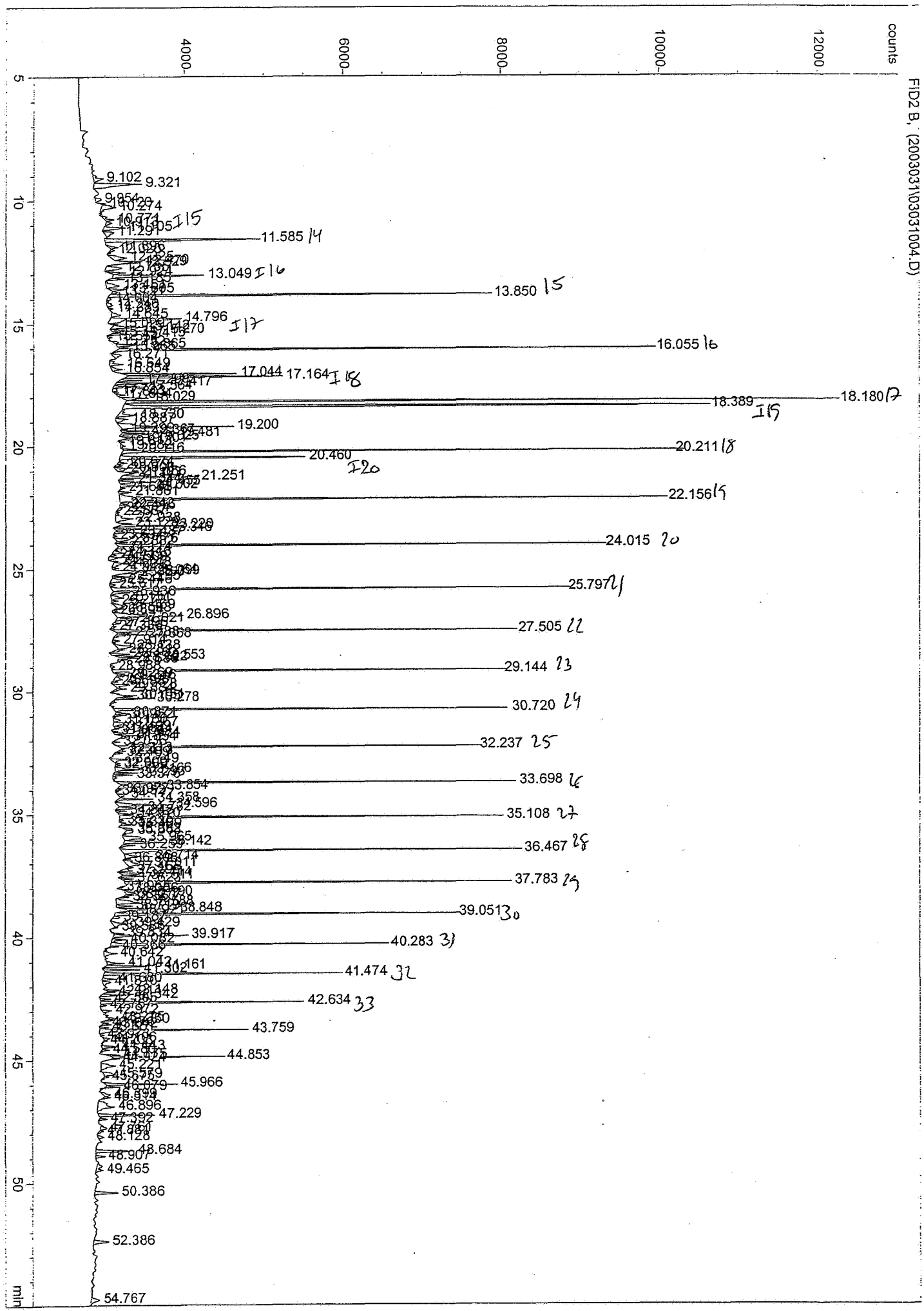
Injection Date	: 31-10-03 17:19:14	Seq. Line :	4
Sample Name	: 2003031-9196	Vial :	4
Acq. Operator	: DD	Inj :	1
		Inj Volume :	1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\ERIC.S		
Method	: C:\HPCHEM\1\METHODS\GCN(1A).M		
Last changed	: 17-07-01 13:29:03 by DD		

Metode baseret på Norsk Industristandard


counts
4000
6000
8000
10000
12000
min
5
10
15
20
25
30
35
40
45
50
FID2 B, (2003031\03031004.D)
9.102
9.321
11.585 14
13.049 16
13.850 15
14.796 17
16.055 16
17.044
17.164 18
18.180 17
18.389 19
19.200
20.211 18
20.460 20
21.251
22.156 19
24.015 20
25.797 21
26.896
27.505 22
29.144 23
30.720 24
32.237 25
33.698 26
35.108 27
36.467 28
37.783 29
39.051 30
39.917
40.283 31
41.474 32
42.634 33
43.759
44.853
45.966
46.896
47.229
48.684
49.465
50.386
52.386
54.767

Normalized Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000
Uncalibrated Peaks : not reported

Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: FID2 B,
Results obtained with enhanced integrator!

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
1	9.102	BB	0.0996	931.78033	121.26478	0.16896	
2	9.321	VBA	0.1094	5030.95703	602.51685	0.91227	
3	9.954	PB	0.0843	432.67059	69.79053	0.07846	
4	10.120	VB	0.0410	205.04999	82.38468	0.03718	
5	10.274	VB	0.1109	1530.18616	184.23926	0.27747	
6	10.771	VB	0.0849	731.79065	114.05441	0.13270	
7	10.913	VB	0.0693	356.70874	72.60151	0.06468	
8	11.105	VB	0.0845	1483.51135	276.98090	0.26901	
9	11.291	VBA	0.1972	2169.22803	136.68185	0.39335	I15
10	11.585	PBA	0.0710	9716.47363	1919.81909	1.76190	M
11	11.896	PB	0.0644	527.79242	117.53978	0.09571	
12	12.020	VBA	0.3247	1522.95935	56.46118	0.27616	
13	12.325	BB	0.0940	1397.37280	194.14619	0.25339	
14	12.470	VB	0.0345	456.71393	217.71436	0.08282	
15	12.529	VB	0.0377	434.28116	170.57088	0.07875	
16	12.735	VB	0.1001	1456.91125	207.10245	0.26418	
17	12.924	VB	0.0541	744.10443	216.48466	0.13493	
18	13.049	VB	0.0612	4270.44482	1152.68396	0.77437	I16
19	13.185	VB	0.0477	572.03137	187.15814	0.10373	
20	13.451	VB	0.1045	1265.81873	166.92778	0.22953	
21	13.605	VB	0.0540	722.11957	221.97722	0.13094	
22	13.721	VB	0.0596	269.32092	75.56761	0.04884	
23	13.850	VB	0.0480	1.48402e4	4809.00928	2.69100	15
24	14.004	VB	0.0879	317.06427	52.95097	0.05749	
25	14.240	VB	0.0879	494.23660	70.44650	0.08962	
26	14.383	VBA	0.2929	1401.63403	57.80120	0.25416	
27	14.645	PB	0.0805	659.84357	123.22169	0.11965	
28	14.796	VB	0.0769	5089.69434	887.10028	0.92292	

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
29	15.029	VB	0.0351	165.52998	76.96939	0.03002	
30	15.142	VB	0.0614	1575.40320	387.90283	0.28567	
31	15.270	VB	0.0425	1555.54932	595.82062	0.28207	I 17
32	15.347	VB	0.0306	114.03857	64.46397	0.02068	
33	15.415	VBA	0.0804	2113.04541	350.08752	0.38316	
34	15.554	BBA	0.3185	1375.15796	52.69619	0.24936	
35	15.752	BB	0.0590	271.06030	64.53886	0.04915	
36	15.865	VB	0.0591	1044.92639	282.96246	0.18948	
37	15.965	VB	0.0381	271.55600	121.61078	0.04924	
38	16.055	VB	0.0392	1.68934e4	6755.73145	3.06330	16
39	16.271	VBA	0.2110	1951.82104	119.21465	0.35393	
40	16.649	PB	0.0688	819.76758	168.42046	0.14865	
41	16.854	VB	0.0626	623.49469	138.35706	0.11306	
42	17.044	VB	0.0460	4119.24658	1413.54187	0.74695	
43	17.164	VB	0.0501	6073.09570	1962.86670	1.10124	I18
44	17.299	VB	0.0366	697.91064	284.47238	0.12655	
45	17.417	VB	0.0381	1524.17432	633.82458	0.27638	
46	17.564	VB	0.0441	1118.66638	406.07681	0.20285	
47	17.723	VB	0.0715	343.53198	65.17165	0.06229	
48	17.803	VB	0.0379	149.54840	67.26848	0.02712	
49	17.894	VB	0.0411	278.30295	111.51040	0.05047	
50	18.029	VB	0.0504	1140.67712	329.04117	0.20684	
51	18.180	VB	0.0379	2.14264e4	8971.53418	3.88527	17
52	18.389	VB	0.0591	2.59692e4	7363.74072	4.70904	I19
53	18.730	VB	0.0751	1325.82837	245.02071	0.24041	
54	18.887	VBA	0.1655	2106.78857	160.09265	0.38203	
55	19.200	BB	0.0524	5107.96338	1404.61194	0.92623	
56	19.299	VB	0.0307	128.76207	72.52112	0.02335	
57	19.367	VB	0.0340	708.89929	344.83301	0.12855	
58	19.481	VB	0.0381	1606.53662	666.68225	0.29132	
59	19.625	VB	0.0318	736.47455	360.44470	0.13355	
60	19.701	VB	0.0379	440.19006	198.34752	0.07982	
61	19.813	VBA	0.2442	1441.49280	71.19724	0.26139	
62	19.982	PB	0.0622	280.84445	62.73090	0.05093	
63	20.116	VB	0.0351	388.01566	180.05978	0.07036	
64	20.211	VB	0.0376	1.63729e4	6926.71094	2.96893	18
65	20.460	VB	0.0599	8780.09277	2333.36328	1.59211	I20
66	20.674	VB	0.0517	349.61798	114.38416	0.06340	
67	20.779	VB	0.0480	263.97992	90.67265	0.04787	
68	20.903	VB	0.0845	931.29407	158.51541	0.16887	
69	21.056	VB	0.0367	339.20700	160.05124	0.06151	
70	21.103	VB	0.0424	164.64441	63.19726	0.02986	
71	21.251	VB	0.0451	2907.63989	967.63177	0.52725	
72	21.344	VB	0.0308	384.58340	196.85620	0.06974	
73	21.455	VB	0.0411	1167.87158	437.60852	0.21177	
74	21.602	VB	0.0442	1120.98877	382.23538	0.20327	
75	21.695	VBA	0.2823	1451.44543	61.74286	0.26319	
76	21.861	PB	0.0541	541.00073	165.60478	0.09810	
77	22.156	VBA	0.0445	2.03110e4	6877.03613	3.68302	19

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
78	22.342	BB	0.0377	190.29282	86.51942	0.03451	
79	22.416	VB	0.0528	379.69852	108.68044	0.06885	
80	22.524	VB	0.0702	271.45541	50.88657	0.04922	
81	22.667	VB	0.0365	101.93843	48.57021	0.01848	
82	22.938	VB	0.0998	1693.06360	225.05878	0.30701	
83	23.129	VB	0.0344	289.66351	138.68649	0.05253	
84	23.220	VB	0.0589	2164.03687	617.17749	0.39241	
85	23.346	VBA	0.0576	2764.16772	649.65790	0.50123	
86	23.487	PBA	0.0926	1914.77869	270.39078	0.34721	
87	23.634	BB	0.0392	113.20562	48.64368	0.02053	
88	23.776	VB	0.0612	879.76038	192.82326	0.15953	
89	23.882	VB	0.0341	290.50024	140.75145	0.05268	
90	24.015	VB	0.0375	1.44361e4	6127.33789	2.61773	20
91	24.114	VB	0.0665	387.21970	97.05729	0.07022	
92	24.316	VB	0.0592	574.80322	142.14038	0.10423	
93	24.415	VB	0.0490	187.64429	66.40411	0.03403	
94	24.509	VB	0.0554	582.01056	143.11983	0.10554	
95	24.667	VB	0.0371	184.18697	79.34238	0.03340	
96	24.748	VB	0.0846	829.34839	133.32143	0.15039	
97	24.944	VBA	0.2037	1443.58887	86.06423	0.26177	
98	25.064	PB	0.0246	257.90369	181.07042	0.04677	
99	25.099	VB	0.0256	289.88760	192.61409	0.05257	
100	25.153	VB	0.0207	171.10999	156.94321	0.03103	
101	25.295	VB	0.0356	572.60419	260.93954	0.10383	
102	25.446	VB	0.0774	1050.10815	176.47118	0.19042	
103	25.617	VB	0.0537	264.44604	70.65237	0.04795	
104	25.797	VB	0.0386	1.40192e4	5709.31348	2.54212	21
105	25.936	VB	0.0578	761.53247	202.91504	0.13809	
106	26.151	VB	0.0684	795.77222	159.01118	0.14430	
107	26.279	VBA	0.2117	1448.23315	83.76927	0.26261	
108	26.469	PB	0.0741	980.72693	173.17041	0.17784	
109	26.598	VB	0.0398	262.91492	110.26958	0.04767	
110	26.694	VB	0.0417	133.19876	49.01637	0.02415	
111	26.896	VB	0.0585	3468.75195	834.61078	0.62899	
112	27.021	VBA	0.1092	2135.48022	261.72766	0.38723	
113	27.196	BBA	0.1815	1481.42725	100.75828	0.26863	
114	27.336	BB	0.0603	182.80836	42.40966	0.03315	
115	27.505	VB	0.0371	1.17654e4	5062.76025	2.13344	22
116	27.588	VB	0.0332	384.43857	193.07149	0.06971	
117	27.668	VBA	0.0849	2252.71997	350.72833	0.40849	
118	27.914	PB	0.0477	262.23935	90.84738	0.04755	
119	28.138	VB	0.0822	1337.30396	216.13176	0.24250	
120	28.281	VB	0.0644	501.18048	107.50056	0.09088	
121	28.462	VB	0.0420	620.96350	241.23236	0.11260	
122	28.553	VB	0.0349	1156.74500	542.96002	0.20975	
123	28.622	VB	0.0320	512.61700	271.70349	0.09295	
124	28.688	VBA	0.1230	1590.56238	164.19554	0.28842	
125	28.988	PB	0.0690	242.81906	44.97070	0.04403	
126	29.144	VB	0.0384	1.19279e4	4892.90869	2.16290	23

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
127	29.269	VB	0.0363	272.18735	120.55148	0.04936	
128	29.346	VB	0.0359	331.29593	149.28464	0.06007	
129	29.499	VB	0.0635	561.36176	113.86605	0.10179	
130	29.593	VB	0.0428	188.97900	71.66337	0.03427	
131	29.728	VB	0.0629	845.39044	201.65195	0.15330	
132	29.884	VB	0.0547	509.08310	132.77191	0.09231	
133	30.151	VB	0.0330	341.72119	173.16623	0.06196	
134	30.195	VB	0.0274	208.92271	125.70246	0.03788	
135	30.278	VBA	0.0730	2505.98340	464.01321	0.45441	
136	30.720	PB	0.0375	1.17094e4	4971.63574	2.12327	24
137	30.871	VB	0.0401	469.18118	181.57790	0.08508	
138	30.952	VB	0.0375	349.22574	148.34349	0.06333	
139	31.160	VB	0.0718	497.84329	88.31091	0.09027	
140	31.267	VB	0.0618	994.31750	215.58398	0.18030	
141	31.429	VB	0.0372	303.18442	121.29185	0.05498	
142	31.497	VB	0.0315	96.91374	52.68784	0.01757	
143	31.606	VB	0.0393	154.35896	65.86802	0.02799	
144	31.684	VB	0.0401	572.00220	237.53923	0.10372	
145	31.771	VB	0.0335	339.52231	168.39690	0.06157	
146	31.854	VBA	0.1705	1584.72388	113.76205	0.28736	
147	32.036	BBA	0.1947	1434.58850	89.65990	0.26014	
148	32.237	BB	0.0387	1.10593e4	4496.03174	2.00540	25
149	32.313	VB	0.0285	82.54528	46.99443	0.01497	
150	32.413	VB	0.0424	288.01569	103.69916	0.05223	
151	32.489	VBA	0.1748	1500.97253	107.53300	0.27217	
152	32.749	PB	0.0517	933.34125	261.25781	0.16924	
153	32.909	VB	0.0323	131.25578	63.01828	0.02380	
154	32.989	VB	0.0360	150.06281	67.28337	0.02721	
155	33.166	VB	0.0578	1443.49207	368.05823	0.26175	
156	33.293	VB	0.0397	707.14703	298.32181	0.12823	
157	33.376	VBA	0.1073	2058.47803	252.07265	0.37327	
158	33.698	PBA	0.0411	1.33917e4	5015.88525	2.42833	26
159	33.854	BB	0.0433	1525.99512	535.09894	0.27671	
160	33.977	VB	0.0405	205.35077	83.99740	0.03724	
161	34.052	VB	0.0302	79.58900	41.79532	0.01443	
162	34.177	VBA	0.1784	1820.44849	126.13072	0.33010	
163	34.358	BB	0.0462	1288.62366	439.49356	0.23367	
164	34.596	VB	0.0589	2824.63770	673.77179	0.51220	
165	34.732	VB	0.0566	1155.21301	332.18475	0.20948	
166	34.848	VB	0.0358	304.72925	137.93307	0.05526	
167	34.970	VB	0.0404	481.22647	184.54091	0.08726	
168	35.108	VB	0.0401	1.24591e4	4828.17139	2.25923	27
169	35.237	VB	0.0435	148.42792	55.04084	0.02691	
170	35.339	VB	0.0345	132.07755	62.96540	0.02395	
171	35.409	VBA	0.1313	1684.49292	161.94971	0.30545	
172	35.592	BB	0.0595	427.59341	105.00497	0.07754	
173	35.663	VB	0.0931	663.19452	95.43635	0.12026	
174	35.965	VB	0.0849	1680.45557	261.71378	0.30472	
175	36.142	VB	0.0653	2093.15015	516.47784	0.37955	

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %	
176	36.259	VBA	0.1301	1765.06421	174.31416	0.32006	
177	36.467	BB	0.0410	1.33331e4	5024.36523	2.41771	28
178	36.714	VB	0.0568	1226.97156	334.69992	0.22249	
179	36.808	VB	0.0358	153.87683	75.37389	0.02790	
180	37.011	VB	0.0803	1780.95520	295.41824	0.32294	
181	37.166	VB	0.0348	175.53906	76.47302	0.03183	
182	37.296	VB	0.0519	577.18158	160.54349	0.10466	
183	37.414	VB	0.0661	1200.27405	303.85870	0.21765	
184	37.511	VB	0.0416	815.16119	321.56738	0.14781	
185	37.623	VBA	0.1299	1690.75342	167.27673	0.30659	
186	37.783	BBA	0.0422	1.33986e4	4857.11230	2.42959	29
187	37.965	PB	0.0264	81.05347	51.41870	0.01470	
188	38.056	VB	0.0364	295.71103	130.55379	0.05362	
189	38.190	VB	0.0527	822.76660	247.92035	0.14919	
190	38.277	VB	0.0403	267.38470	110.15618	0.04849	
191	38.363	VB	0.0309	208.28049	106.16441	0.03777	
192	38.588	VB	0.0777	2142.14282	380.26822	0.38844	
193	38.719	VB	0.0418	555.55170	203.64407	0.10074	
194	38.848	VB	0.0430	1775.61499	627.15710	0.32197	
195	38.921	VB	0.0387	317.65750	138.98891	0.05760	
196	39.051	VB	0.0398	1.09550e4	4287.32080	1.98649	30
197	39.187	VB	0.0591	373.67419	88.82082	0.06776	
198	39.429	VB	0.0643	1171.87842	251.71074	0.21250	
199	39.586	VBA	0.2879	1336.93262	56.12683	0.24243	
200	39.834	BB	0.0357	270.37375	132.83394	0.04903	
201	39.917	VB	0.0423	2570.05762	928.37482	0.46603	
202	40.082	VB	0.0466	593.33557	189.14642	0.10759	
203	40.283	VB	0.0397	8831.50098	3473.22681	1.60143	31
204	40.366	VBA	0.1509	1388.48193	116.62347	0.25178	
205	40.642	BBA	0.1527	2052.40747	167.85063	0.37217	
206	41.042	BB	0.0463	702.11023	225.80002	0.12731	
207	41.161	VB	0.0434	1874.73157	695.62616	0.33995	
208	41.302	VB	0.0475	1335.67456	464.57852	0.24220	
209	41.474	VBA	0.0439	8674.25879	2988.94678	1.57292	32
210	41.680	BB	0.0462	521.32117	167.87872	0.09453	
211	41.810	VBA	0.2071	1751.09082	106.90084	0.31753	
212	42.148	PB	0.0376	746.36871	315.39218	0.13534	
213	42.214	VB	0.0329	220.43639	112.32980	0.03997	
214	42.342	VB	0.0414	1004.23682	372.98367	0.18210	
215	42.505	VB	0.0431	353.56177	132.45006	0.06411	
216	42.634	VB	0.0405	6692.63770	2556.88110	1.21359	33
217	42.757	VBA	0.2255	1385.88989	75.03577	0.25131	
218	42.972	PBA	0.1621	1637.76270	125.58218	0.29698	
219	43.275	BB	0.0414	290.73215	115.19578	0.05272	
220	43.350	VBA	0.1051	1649.25879	202.38086	0.29906	
221	43.476	BB	0.0274	137.00591	74.85477	0.02484	
222	43.542	VB	0.0368	273.30447	119.00869	0.04956	
223	43.661	VB	0.0403	264.03796	108.88169	0.04788	
224	43.759	VBA	0.0538	6974.09961	1856.70581	1.26462	

Peak #	RetTime [min]	Type	Width [min]	Area counts*s	Height [counts]	Area %
225	43.973	BBA	0.3569	1292.21704	43.45684	0.23432
226	44.106	BB	0.0463	283.63025	86.37737	0.05143
227	44.203	VBA	0.4103	1299.44128	37.86792	0.23563
228	44.443	PB	0.0613	823.83655	212.27377	0.14939
229	44.580	VBA	0.1927	1451.49292	92.71320	0.26320
230	44.775	PB	0.0353	395.11169	181.89911	0.07165
231	44.853	VB	0.0367	3211.50073	1402.38403	0.58235
232	44.924	VBA	0.1878	1376.94092	90.34762	0.24968
233	45.221	PBA	0.1680	2465.77539	182.08057	0.44712
234	45.579	BB	0.0864	912.38068	151.26137	0.16544
235	45.675	VBA	0.2908	1401.90088	58.24417	0.25421
236	45.966	PB	0.0449	2529.26196	895.91418	0.45863
237	46.079	VBA	0.1075	1558.90027	186.59282	0.28268
238	46.399	BB	0.0781	527.42883	93.03086	0.09564
239	46.514	VBA	0.2021	1493.41333	90.67949	0.27080
240	46.896	BB	0.1369	2236.12231	212.20055	0.40548
241	47.229	VBA	0.0727	3646.12354	700.74359	0.66116
242	47.392	BBA	0.2007	1466.97217	91.68610	0.26601
243	47.761	BB	0.0817	417.85422	74.17879	0.07577
244	47.881	VBA	0.3678	1373.29004	45.03410	0.24902
245	48.128	BBA	0.2741	1553.32422	70.21578	0.28167
246	48.684	PBA	0.0912	3114.95288	496.39212	0.56484
247	48.907	PBA	0.1814	1644.26086	115.99490	0.29816
248	49.465	BBA	0.2898	2136.59839	91.04227	0.38743
249	50.386	PBA	0.1136	2549.37305	304.76535	0.46228
250	52.386	PBA	0.1625	2323.54810	198.57539	0.42133
251	54.767	BBA	0.2151	1919.71631	109.21988	0.34811
252	57.606	BBA	0.2506	1951.37402	98.73330	0.35385
Totals :				5.51476e5	1.64892e5	

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Calibration Curves

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*** End of Report ***