

TOC, Rock-Eval, vitrinite reflectance, and gas chromatography of the following well materials:

BP Exploration (Alaska) Malguk No. 1 unwashed cuttings (8,880'-9,250'),
Husky Oil NPR Operations (U. S. Geological Survey) Ikpikpuk T. W. No. 1 unwashed cuttings (9,610' – 9,700'), side-wall core (9,650.0'), and core (2,930.8' – 14,973.3'),
Husky Oil NPR Operations (U. S. Geological Survey) Inigok T. W. No. 1 core (2,644.0'-20,092.0'),
Husky Oil NPR Operations (U. S. Geological Survey) North Inigok T. W. No. 1 unwashed cuttings (6,960'-7,290'),
Husky Oil NPR Operations (U. S. Geological Survey) North Kalikpik T. W. No. 1 core (3,810.0'-7,395.0'),
Husky Oil NPR Operations (U. S. Navy) East Teshekpuk T. W. No. 1 unwashed cuttings (8,140'-8,210'),
Husky Oil NPR Operations (U. S. Navy) W. T. Foran T. W. No. 1 core (7,543.2' – 8,269.8'), and
U. S. Navy Fish Creek T. W. No. 1 core (228.0'-7,013.5').



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Total of 46 pages in report.

Well Name	Depth, MD	Sample Type	Purpose						
E. Simpson 2	7174.0	Core	TS						
E. Simpson 2	7174.5	Core	TS						
E. Simpson 2	7176.2	Core	TS						
E. Simpson 2	7178.0	Core	TS						
E. Simpson 2	7181.0	Core	TS						
E. Simpson 2	7187.5	Core	TS						
E. Simpson 2	7188.0	Core	TS						
E. Simpson 2	7189.0	Core	TS						
E. Simpson 2	7252.2	Core	TS						
E. Simpson 2	7353.2	Core	TS						
E. Simpson 2	7354.4	Core	TS						
E. Simpson 2	7261.5	Core	TS						
E. Simpson 2	7262.5	Core	TS						
E. Simpson 2	7270.1	Core	TS						
E. Simpson 2	7273.3	Core	TS						
E. Simpson 2	7274.2	Core	TS						
E. Teshekpuk	8140-8150	wet ditch	TS, ORGXTR						
E. Teshekpuk	8150-8160	wet ditch	TS, ORGXTR						
E. Teshekpuk	8160-8170	wet ditch	TS, ORGXTR						
E. Teshekpuk	8170-8180	wet ditch	TS, ORGXTR						
E. Teshekpuk	8180-8190	wet ditch	TS, ORGXTR						
E. Teshekpuk	8190-8200	wet ditch	TS, ORGXTR						
E. Teshekpuk	8200-8210	wet ditch	TS, ORGXTR						
Fish Creek 1	228.0	Core	VR, RE/TOC						
Fish Creek 1	432.0	Core	VR, RE/TOC						
Fish Creek 1	625.5	Core	VR, RE/TOC						
Fish Creek 1	1027.0	Core	VR, RE/TOC						
Fish Creek 1	1234.0	Core	VR, RE/TOC						
Fish Creek 1	1626.0	Core	VR, RE/TOC						
Fish Creek 1	2061.0	Core	VR, RE/TOC						
Fish Creek 1	2496.0	Core	VR, RE/TOC						
Fish Creek 1	2917.0	Core	VR, RE/TOC						
Fish Creek 1	3585.7	Core	VR, RE/TOC						
Fish Creek 1	4141.2	Core	VR, RE/TOC						
Fish Creek 1	4545.0	Core	VR, RE/TOC						
Fish Creek 1	5500.0	Core	VR, RE/TOC						
Fish Creek 1	5501.0	Core	ORGXTR						
Fish Creek 1	5509.0	Core	ORGXTR						
Fish Creek 1	6000.0	Core	VR, RE/TOC						
Fish Creek 1	6421.0	Core	VR, RE/TOC						
Fish Creek 1	6916.0	Core	VR, RE/TOC						
Fish Creek 1	7013.5	Core	VR, RE/TOC						
Ikpiikpuk 1	9610-9620	wet ditch	TS, ORGXTR						
Ikpiikpuk 1	9620-9630	wet ditch	TS, ORGXTR						
Ikpiikpuk 1	9630-9640	wet ditch	TS, ORGXTR						
Ikpiikpuk 1	9640-9650	wet ditch	TS, ORGXTR						
Ikpiikpuk 1	9650-9660	wet ditch	TS, ORGXTR						
Ikpiikpuk 1	9660-9670	wet ditch	TS, ORGXTR						
Ikpiikpuk 1	9670-9680	wet ditch	TS, ORGXTR						
Ikpiikpuk 1	9680-9690	wet ditch	TS, ORGXTR						
Ikpiikpuk 1	9690-9700	wet ditch	TS, ORGXTR						
Ikpiikpuk 1	9650.0	SWC	ORGXTR						
Ikpiikpuk 1	2945.2	Core	VR, RE/TOC						
Ikpiikpuk 1	2930.8	Core	VR, RE/TOC						
Ikpiikpuk 1	3783.8	Core	VR, RE/TOC						
Ikpiikpuk 1	3810.8	Core	VR, RE/TOC						

Well Name	Depth, MD	Sampl e Type	Purpose						
lkpikpuk 1	5700.0	Core	VR, RE/TOC						
lkpikpuk 1	7132.5	Core	VR, RE/TOC						
lkpikpuk 1	7142.3	Core	TS						
lkpikpuk 1	7368.8	Core	VR, RE/TOC						
lkpikpuk 1	7377.0	Core	VR, RE/TOC						
lkpikpuk 1	7495.0	Core	VR, RE/TOC						
lkpikpuk 1	10270.5	Core	VR, RE/TOC						
lkpikpuk 1	10300.0	Core	VR, RE/TOC						
lkpikpuk 1	11108.0	Core	VR, RE/TOC						
lkpikpuk 1	11134.4	Core	VR, RE/TOC						
lkpikpuk 1	11719.9	Core	VR, RE/TOC						
lkpikpuk 1	12744.8	Core	VR, RE/TOC						
lkpikpuk 1	14973.3	Core	VR, RE/TOC						
Inigok 1	2644.0	Core	VR, RE/TOC						
Inigok 1	2661.0	Core	VR, RE/TOC						
Inigok 1	2662.0	Core	TS						
Inigok 1	3079.5	Core	VR, RE/TOC						
Inigok 1	4207.7	Core	VR, RE/TOC						
Inigok 1	5006.0	Core	VR, RE/TOC						
Inigok 1	7062.0	Core	VR, RE/TOC						
Inigok 1	8236.9	Core	VR, RE/TOC						
Inigok 1	8849.0	Core	VR, RE/TOC						
Inigok 1	9342.0	Core	VR, RE/TOC						
Inigok 1	9453.5	Core	VR, RE/TOC						
Inigok 1	10301.7	Core	VR, RE/TOC						
Inigok 1	10998.0	Core	VR, RE/TOC						
Inigok 1	11008.0	Core	VR, RE/TOC						
Inigok 1	11706.0	Core	VR, RE/TOC						
Inigok 1	12282.0	Core	VR, RE/TOC						
Inigok 1	12503.0	Core	VR, RE/TOC						
Inigok 1	12529.1	Core	VR, RE/TOC						
Inigok 1	12730.8	Core	VR, RE/TOC						
Inigok 1	13480.0	Core	VR, RE/TOC						
Inigok 1	13509.2	Core	VR, RE/TOC						
Inigok 1	13871.0	Core	VR, RE/TOC						
Inigok 1	14031.8	Core	VR, RE/TOC						
Inigok 1	15187.8	Core	VR, RE/TOC						
Inigok 1	16185.0	Core	VR, RE/TOC						
Inigok 1	17053.0	Core	VR, RE/TOC						
Inigok 1	19367.0	Core	VR, RE/TOC						
Inigok 1	20092.0	Core	VR, RE/TOC						
North Inigok 1	6960-6970	wet ditch	TS, ORGXTR						
North Inigok 1	6970-6980	wet ditch	TS, ORGXTR						
North Inigok 1	7070-7080	wet ditch	TS, ORGXTR						
North Inigok 1	7080-7090	wet ditch	TS, ORGXTR						
North Inigok 1	7090-7100	wet ditch	TS, ORGXTR						
North Inigok 1	7130-7140	wet ditch	TS, ORGXTR						
North Inigok 1	7140-7150	wet ditch	TS, ORGXTR						
North Inigok 1	7180-7190	wet ditch	TS, ORGXTR						
North Inigok 1	7190-7200	wet ditch	TS, ORGXTR						
North Inigok 1	7270-7280	wet ditch	TS, ORGXTR						
North Inigok 1	7280-7290	wet ditch	TS, ORGXTR						
North Inigok 1	4022.2	Core	VR, RE/TOC						
North Inigok 1	4031.0	Core	VR, RE/TOC						
North Inigok 1	6859.0	Core	VR, RE/TOC						
North Inigok 1	6867.0	Core	VR, RE/TOC						
North Inigok 1	7492.1	Core	VR, RE/TOC						

Well Name	Depth, MD	Sample Type	Purpose						
North Inigok 1	7494.3	Core	VR, RE/TOC						
North Inigok 1	7503.5	Core	VR, RE/TOC						
North Inigok 1	8573.0	Core	VR, RE/TOC						
North Inigok 1	8565.0	Core	VR, RE/TOC						
North Inigok 1	10161.2	Core	VR, RE/TOC						
North Inigok 1	10169.0	Core	VR, RE/TOC						
North Inigok 1	4022.2	Core	VR, RE/TOC						
North Inigok 1	4031.0	Core	VR, RE/TOC						
North Inigok 1	6859.0	Core	VR, RE/TOC						
North Inigok 1	6867.0	Core	VR, RE/TOC						
North Inigok 1	7492.1	Core	VR, RE/TOC						
North Inigok 1	7494.3	Core	VR, RE/TOC						
North Inigok 1	7503.5	Core	VR, RE/TOC						
North Inigok 1	8573.0	Core	VR, RE/TOC						
North Inigok 1	8565.0	Core	VR, RE/TOC						
North Inigok 1	10161.2	Core	VR, RE/TOC						
North Inigok 1	10169.0	Core	VR, RE/TOC						
North Kalikpik	3810.0	Core	VR, RE/TOC						
North Kalikpik	3821.0	Core	VR, RE/TOC						
North Kalikpik	4994.0	Core	VR, RE/TOC						
North Kalikpik	5004.0	Core	VR, RE/TOC						
North Kalikpik	5881.0	Core	VR, RE/TOC						
North Kalikpik	6699.5	Core	VR, RE/TOC						
North Kalikpik	6994.7	Core	VR, RE/TOC						
North Kalikpik	7008.5	Core	VR, RE/TOC						
North Kalikpik	7027.5	Core	VR, RE/TOC						
North Kalikpik	7052.5	Core	VR, RE/TOC						
North Kalikpik	7081.5	Core	VR, RE/TOC						
North Kalikpik	7110.0	Core	VR, RE/TOC						
North Kalikpik	7136.0	Core	VR, RE/TOC						
North Kalikpik	7148.0	Core	VR, RE/TOC						
North Kalikpik	7179.0	Core	VR, RE/TOC						
North Kalikpik	7210.7	Core	VR, RE/TOC						
North Kalikpik	7229.7	Core	VR, RE/TOC						
North Kalikpik	7395.0	Core	VR, RE/TOC						
W. T. Foran 1	7543.2	Core	VR, RE/TOC						
W. T. Foran 1	7557.0	Core	VR, RE/TOC						
W. T. Foran 1	8269.8	Core	VR, RE/TOC						
Maiguk 1	8880-8890	wet ditch	ORGXTR						
Maiguk 1	8890-8900	wet ditch	ORGXTR						
Maiguk 1	8900-8910	wet ditch	ORGXTR						
Maiguk 1	8910-8920	wet ditch	ORGXTR						
Maiguk 1	9050-9060	wet ditch	ORGXTR						
Maiguk 1	9060-9070	wet ditch	ORGXTR						
Maiguk 1	9070-9080	wet ditch	ORGXTR						
Maiguk 1	9080-9090	wet ditch	ORGXTR						
Maiguk 1	9120-9130	wet ditch	ORGXTR						
Maiguk 1	9130-9140	wet ditch	ORGXTR						
Maiguk 1	9140-9150	wet ditch	ORGXTR						
Maiguk 1	9150-9160	wet ditch	ORGXTR						
Maiguk 1	9160-9170	wet ditch	ORGXTR						
Maiguk 1	9170-9180	wet ditch	ORGXTR						
Maiguk 1	9180-9190	wet ditch	ORGXTR						
Maiguk 1	9190-9200	wet ditch	ORGXTR						
Maiguk 1	9200-9210	wet ditch	ORGXTR						
Maiguk 1	9210-9230	wet ditch	ORGXTR						
Maiguk 1	9230-9240	wet ditch	ORGXTR						

Well Name	Depth, MD	Sample Type	Purpose						
Malguk 1	9240-9250	wet ditch	ORGXTR						

WELL	LABNUM	TEST
NORTH KALIKPIK	97R0868	VITR
NORTH KALIKPIK	97R0869	VITR
NORTH KALIKPIK	97R0870	VITR
NORTH KALIKPIK	97R0871	VITR
NORTH KALIKPIK	97R0872	VITR
NORTH KALIKPIK	97R0873	VITR
NORTH KALIKPIK	97R0874	VITR
NORTH KALIKPIK	97R0875	VITR
NORTH KALIKPIK	97R0876	VITR
NORTH KALIKPIK	97R0877	VITR
NORTH KALIKPIK	97R0878	VITR
NORTH KALIKPIK	97R0879	VITR
NORTH KALIKPIK	97R0880	VITR
NORTH KALIKPIK	97R0881	VITR
NORTH KALIKPIK	97R0882	VITR
NORTH KALIKPIK	97R0883	VITR
NORTH KALIKPIK	97R0884	VITR
NORTH KALIKPIK	97R0885	VITR
FISH CREEK 1	97R0893	VITR
FISH CREEK 1	97R0894	VITR
FISH CREEK 1	97R0895	VITR
FISH CREEK 1	97R0896	VITR
FISH CREEK 1	97R0897	VITR
FISH CREEK 1	97R0898	VITR
FISH CREEK 1	97R0899	VITR
FISH CREEK 1	97R0900	VITR
FISH CREEK 1	97R0901	VITR
FISH CREEK 1	97R0902	VITR
FISH CREEK 1	97R0903	VITR
FISH CREEK 1	97R0904	VITR
FISH CREEK 1	97R0905	VITR
FISH CREEK 1	97R0906	VITR
FISH CREEK 1	97R0908	SOX
FISH CREEK 1	97R0908	MPLC
FISH CREEK 1	97R0908	CIAR
FISH CREEK 1	97R0908	CINS
FISH CREEK 1	97R0908	CIAS
FISH CREEK 1	97R0908	CISA
FISH CREEK 1	97R0908	SGC
FISH CREEK 1	97R0908	SIMS
FISH CREEK 1	97R0908	ASMS
FISH CREEK 1	97R0908	MRMQ
FISH CREEK 1	97R0909	VITR
FISH CREEK 1	97R0910	VITR
FISH CREEK 1	97R0911	VITR
FISH CREEK 1	97R0912	VITR
NORTH INIGOK 1	97R0924	VITR
NORTH INIGOK 1	97R0925	VITR
NORTH INIGOK 1	97R0926	VITR
NORTH INIGOK 1	97R0927	VITR
NORTH INIGOK 1	97R0928	VITR
NORTH INIGOK 1	97R0929	VITR
NORTH INIGOK 1	97R0930	VITR
NORTH INIGOK 1	97R0931	VITR
NORTH INIGOK 1	97R0932	VITR
NORTH INIGOK 1	97R0933	VITR
NORTH INIGOK 1	97R0934	VITR
INIGOK 1	97R0935	VITR
INIGOK 1	97R0936	VITR
INIGOK 1	97R0938	VITR
INIGOK 1	97R0939	VITR
INIGOK 1	97R0940	VITR
INIGOK 1	97R0941	VITR
INIGOK 1	97R0942	VITR
INIGOK 1	97R0943	VITR
INIGOK 1	97R0944	VITR
INIGOK 1	97R0945	VITR
INIGOK 1	97R0946	VITR
INIGOK 1	97R0947	VITR
INIGOK 1	97R0948	VITR
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North Inigok-1

97R1279

SCC

Composite of wet ditch cuttings
97R00913 - 97R0923

NPRA DATA.XLS

labnum	well	rockwt	<i>soluble organic matter</i>	<i>sample original weight</i>	<i>saturate weight</i>	<i>aromatic weight</i>	<i>weight of nitrogen sulfur + oxygen</i>	<i>asphaltenes lost weight</i>	<i>lost weight</i>
97R0908	FISH CREEK 1	15.0500	0.0409	0.0398	0.0213	0.0034	0.0069	0.0008	0.0074
97R1279	NORTH INIGOK 1	90.9200	0.0312	0.0312	0.0100	0.0043	0.0080	0.0017	0.0072
labnum	well	satp	arop	nsop	aspp	lossp	extp		
97R0908	FISH CREEK 1	53.52	8.54	17.34	2.01	18.59	0.27		
97R1279	NORTH INIGOK 1	32.05	13.78	25.64	5.45	23.08	0.03		

carbon isotopes

PUK ISOTOPES.XLS

saturate aromatic nitrogen
sulfur oxygen asphaltene

labnum	well	cisat	ciaro	cinso	ciasph
97R0908	FISH CREEK 1	-29.4	-28.1	-28.5	
97R1279	NORTH INIGOK 1	-29.4	-26.8	-27.8	-26.3

Rock Eval

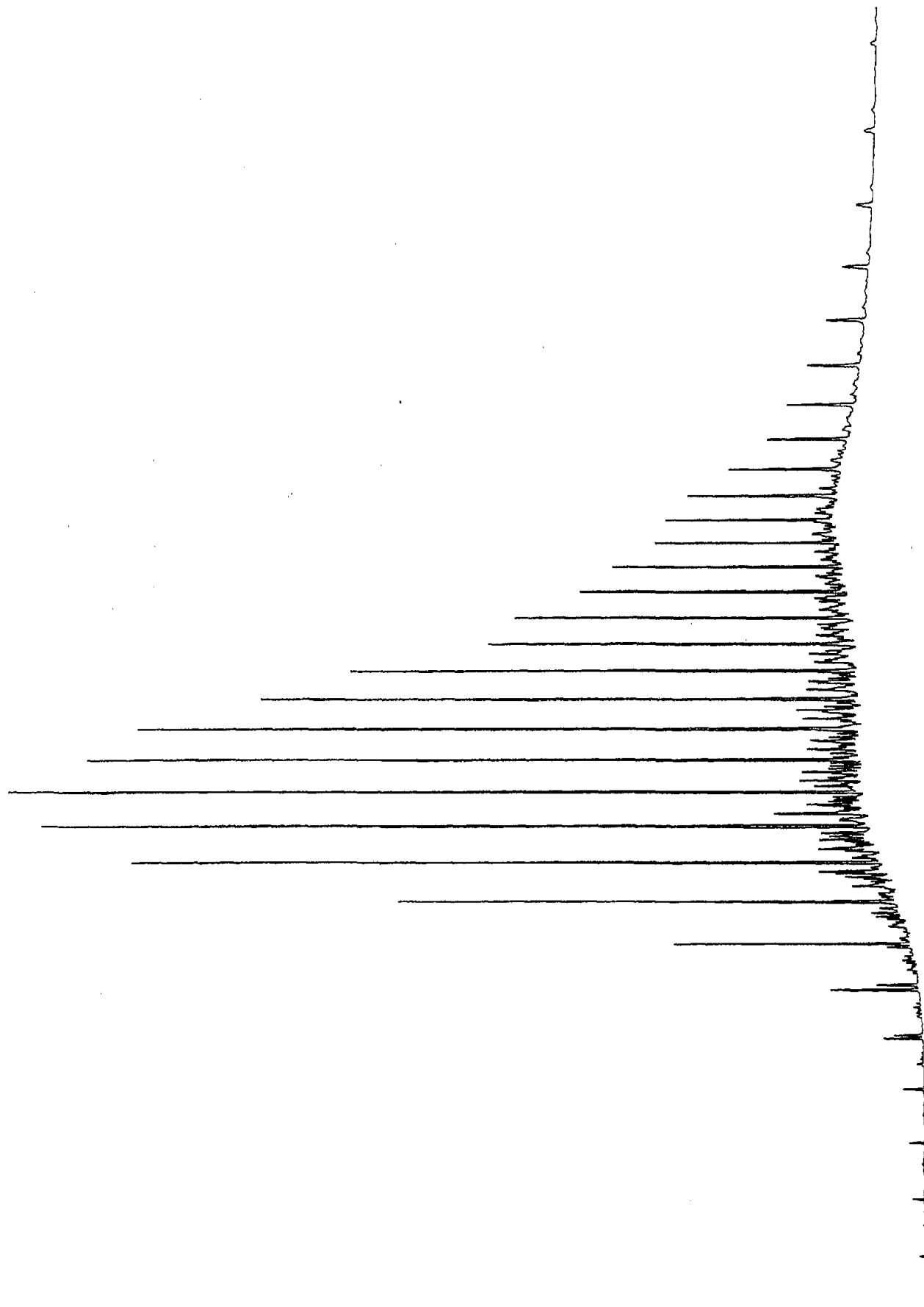
labnum	Depth	Type	TOC	S1	S2	S3	Tmax	HI	OI	PI	HC
<i>North Kalikpik-1</i>											
97R0868	3810.0	Core	1.33	0.26	0.74	1.26	436	56	95	0.26	20
97R0869	3821.0	Core	1.16	0.15	0.58	0.96	436	50	83	0.21	13
97R0870	4994.0	Core	1.24	0.13	0.59	0.32	438	48	26	0.18	10
97R0871	5004.0	Core	1.42	0.27	0.77	1.19	437	54	84	0.26	19
97R0872	5881.0	Core	1.4	0.37	0.95	0.91	438	68	65	0.28	26
97R0873	6699.5	Core	1.44	0.23	0.84	0.49	449	58	34	0.21	16
97R0874	6994.7	Core	3.21	1.08	5.69	0.12	447	177	4	0.16	34
97R0875	7008.5	Core	3.46	1.13	5.61	0.3	443	162	9	0.17	33
97R0876	7027.5	Core	2.54	0.92	3.64	0.16	446	143	6	0.2	36
97R0877	7052.5	Core	2.18	0.35	1.13	0.21	455	52	10	0.24	16
97R0878	7081.5	Core	3.26	0.41	1.85	0.16	457	57	5	0.18	13
97R0879	7110.0	Core	2.28	0.43	1.28	0.47	453	56	21	0.25	19
97R0880	7136.0	Core	1.97	0.29	0.87	0.1	456	44	5	0.25	15
97R0881	7148.0	Core	1.05	0.54	1.18	0.07	451	112	7	0.31	51
97R0882	7179.0	Core	1.34	0.49	1.69	0.12	450	126	9	0.22	37
97R0883	7210.7	Core	1.02	0.41	1.13	0.05	446	111	5	0.27	40
97R0884	7229.7	Core	0.9	0.59	1.03	0.1	451	114	11	0.36	66
97R0885	7395.0	Core	0.82	0.57	0.85	0.05	452	104	6	0.4	70
<i>Fish Creek-1</i>											
97R0893	228.0	Core	1.05	0.29	0.45	2.09	410	43	199	0.39	28
97R0894	432.0	Core	0.89	0.16	0.26	4.51	403	29	507	0.38	18
97R0895	625.5	Core	1.06	0.14	0.35	1.03	383	33	97	0.29	13
97R0896	1027.0	Core	3.23	0.3	3.4	1.77	406	105	55	0.08	9
97R0897	1234.0	Core	0.77	0.09	0.16	2.63	406	21	342	0.36	12
97R0898	1626.0	Core	1.36	0.1	0.32	1.48	428	24	109	0.24	7
97R0899	2061.0	Core	1.62	0.12	0.44	2.1	420	27	130	0.21	7
97R0900	2496.0	Core	1.3	0.14	0.41	1.69	420	32	130	0.25	11
97R0901	2917.0	Core	4.4	1.96	4.28	2.01	427	97	46	0.31	45
97R0902	3585.7	Core	1.35	0.15	0.73	1.77	435	54	131	0.17	11
97R0903	4141.2	Core	1.37	0.37	1.25	0.83	429	91	61	0.23	27
97R0904	4545.0	Core	1.46	0.2	0.75	2.78	438	51	190	0.21	14
97R0905	5079	Core	1.38	0.15	0.6	1.24	436	43	90	0.2	11
97R0906	5500.0	Core	1.38	0.37	0.88	1.59	437	64	115	0.3	27
97R0907	5501.0	Core	0.64	0.25	0.43	1.24	437	67	194	0.37	39
97R0908	5509.0	Core	0.45	1.61	1.07	0.38	415	238	84	0.6	358
97R0909	6000.0	Core	1.12	0.29	0.66	0.94	437	59	84	0.31	26
97R0910	6421.0	Core	0.93	0.17	0.65	0.74	439	70	80	0.21	18
97R0911	6916.0	Core	1.14	0.17	0.71	0.31	439	62	27	0.19	15
97R0912	7013.5	Core	1.03	0.21	0.65	1.15	435	63	112	0.24	20

Rock Eval

labnum	Depth	Type	TOC	S1	S2	S3	Tmax	HI	OI	PI	HC
<i>North Inlgok-1</i>											
97R0913	6960-6970	wet ditch	1.03	0.12	0.64	0.37	443	62	36	0.16	12
97R0914	6970-6980	wet ditch	1.11	0.15	0.7	0.36	443	63	32	0.18	14
97R0915	7070-7080	wet ditch	0.94	0.13	0.49	0.4	443	52	43	0.21	14
97R0916	7080-7090	wet ditch	0.98	0.12	0.55	0.42	445	56	43	0.18	12
97R0917	7090-7100	wet ditch	1.04	0.14	0.64	0.31	445	62	30	0.18	13
97R0918	7130-7140	wet ditch	0.83	0.14	0.43	0.59	444	52	71	0.25	17
97R0919	7140-7150	wet ditch	0.89	0.18	0.5	0.8	443	56	90	0.26	20
97R0920	7180-7190	wet ditch	0.81	0.15	0.49	0.37	444	60	46	0.23	19
97R0921	7190-7200	wet ditch	0.93	0.21	0.71	0.28	443	76	30	0.23	23
97R0922	7270-7280	wet ditch	0.96	0.25	0.57	0.47	446	59	49	0.3	26
97R0923	7280-7290	wet ditch	1.24	0.18	0.69	0.43	447	56	35	0.21	15
97R0924	4022.2	Core	1.03	0.08	0.48	1.43	436	47	139	0.14	8
97R0925	4031.0	Core	1.66	0.08	0.74	2.6	439	45	157	0.1	5
97R0926	6859.0	Core	1.16	0.13	0.53	0.65	447	46	56	0.2	11
97R0927	6867.0	Core	1.26	0.15	0.53	0.92	446	42	73	0.22	12
97R0928	7492.1	Core	4.92	1.76	5.48	0.37	436	111	8	0.24	36
97R0929	7494.3	Core	5.75	1.52	11.25	0.23	444	196	4	0.12	26
97R0930	7503.5	Core	3.15	1.36	4.19	0.21	441	133	7	0.25	43
97R0931	8573.0	Core	1	0.43	0.51	0.07	456	51	7	0.46	43
97R0932	8565.0	Core	1.17	0.36	0.66	0.06	460	56	5	0.35	31
97R0933	10161.2	Core	1.83	0.46	0.3	0.05	576	16	3	0.61	25
97R0934	10169.0	Core	3.53	0.58	0.63	0.11	573	18	3	0.48	16
<i>Malguk-1</i>											
97R0966	8880-8890	wet ditch	0.6	0.08	0.26	0.79	439	43	132	0.24	13
97R0967	8890-8900	wet ditch	0.76	0.06	0.23	1.15	441	30	151	0.21	8
97R0968	8900-8910	wet ditch	0.67	0.08	0.28	0.78	439	42	116	0.22	12
97R0969	8910-8920	wet ditch	0.7	0.08	0.3	0.96	440	43	137	0.21	11
97R0970	9050-9060	wet ditch	0.72	0.08	0.33	0.67	440	46	93	0.2	11
97R0971	9060-9070	wet ditch	0.64	0.08	0.28	0.64	437	44	100	0.22	13
97R0972	9070-9080	wet ditch	0.67	0.09	0.36	1.35	437	54	201	0.2	13
97R0973	9080-9090	wet ditch	0.45	0.09	0.24	0.59	437	53	131	0.27	20
97R0974	9120-9130	wet ditch	0.58	0.07	0.23	0.9	443	40	155	0.23	12
97R0975	9130-9140	wet ditch	0.7	0.08	0.3	1.22	440	43	174	0.21	11
97R0976	9140-9150	wet ditch	0.72	0.1	0.36	1.16	438	50	161	0.22	14
97R0977	9150-9160	wet ditch	0.62	0.08	0.27	0.85	441	44	137	0.23	13
97R0978	9160-9170	wet ditch	3.26	0.09	2.62	1.95	439	80	60	0.03	3
97R0979	9170-9180	wet ditch	1.01	0.09	0.52	0.8	439	51	79	0.15	9
97R0980	9180-9190	wet ditch	0.57	0.06	0.26	0.6	437	46	105	0.19	11
97R0981	9190-9200	wet ditch	0.43	0.06	0.21	0.69	441	49	160	0.22	14
97R0982	9200-9210	wet ditch	0.36	0.06	0.2	0.54	438	56	150	0.23	17
97R0983	9210-9220	wet ditch	0.34	0.06	0.22	0.54	437	65	159	0.21	18
97R0984	9220-9230	wet ditch	0.28	0.05	0.19	0.49	437	68	175	0.21	18
97R0985	9230-9240	wet ditch	0.41	0.08	0.27	0.56	436	66	137	0.23	20
97R0986	9240-9250	wet ditch	0.38	0.07	0.22	0.57	435	58	150	0.24	18

labnum	Depth	Type	TOC	S1	S2	S3	Tmax	HI	OI	PI	HC
<i>Inigok-1</i>											
97R0935	2644.0	Core	1.39	0.08	0.52	1.88	439	37	135	0.13	6
97R0936	2661.0	Core	1.15	0.06	0.56	2.49	433	49	217	0.1	5
97R0937	2662.0	Core	0.26	0.05	0.06	0.24	410	23	92	0.45	19
97R0938	3079.5	Core	0.55	0.06	0.24	0.94	437	44	171	0.2	11
97R0939	4207.7	Core	1.91	0.14	1.14	0.61	439	60	32	0.11	7
97R0940	5006.0	Core	1.52	0.1	0.8	0.96	438	53	63	0.11	7
97R0941	7062.0	Core	1.36	0.2	0.95	0.35	441	70	26	0.17	15
97R0942	8236.9	Core	7.22	1.88	15.35	0.33	441	213	5	0.11	26
97R0943	8849.0	Core	1.42	0.37	0.85	0.36	453	60	25	0.3	26
97R0944	9342.0	Core	1.53	0.46	1.2	0.59	455	78	39	0.28	30
97R0945	9453.5	Core	1.45	0.6	1.03	0.2	459	71	14	0.37	41
97R0946	10301.7	Core	1.59	0.81	1.05	0.07	462	66	4	0.44	51
97R0947	10998.0	Core	1.3	0.37	0.48	0.16	463	37	12	0.44	28
97R0948	11008.0	Core	1.22	0.31	0.39	0.3	463	32	25	0.44	25
97R0949	11706.0	Core	1.61	0.31	0.37	0.45	526	23	28	0.46	19
97R0950	12282.0	Core	1.01	0.31	0.12	0.08	496	12	8	0.72	31
97R0951	12503.0	Core	0.4	0.07	0.06	0.05	0	15	13	0.54	18
97R0952	12529.1	Core	0.92	0.05	0.09	0.04	360	10	4	0.36	5
97R0953	12730.8	Core	0.22	0.02	0.01	0.13	444	5	59	0.67	9
97R0954	13480.0	Core	0.42	0.02	0.05	0.01	422	12	2	0.29	5
97R0955	13509.2	Core	0.36	0.01	0	0.03	0	0	8	1	3
97R0956	13871.0	Core	1.14	0.03	0.04	0.01	393	4	1	0.43	3
97R0957	14031.8	Core	0.41	0.03	0.04	0.03	0	10	7	0.43	7
97R0958	15187.8	Core	0.25	0.02	0.03	0.07	0	12	28	0.4	8
97R0959	16185.0	Core	0.41	0.02	0.06	0.05	390	15	12	0.25	5
97R0960	17053.0	Core	0.15	0.02	0.01	0.07	340	7	47	0.67	13
97R0961	19367.0	Core	0.37	0.07	0.02	0.02	322	5	5	0.78	19
97R0962	20092.0	Core	4	0.17	0.2	0.09	369	5	2	0.46	4
<i>East Teshekpuk-1</i>											
97R0886	8140-8150	wet ditch	1.37	0.41	0.89	0.34	451	65	25	0.32	30
97R0887	8150-8160	wet ditch	1.43	0.48	1.17	0.27	449	82	19	0.29	34
97R0888	8160-8170	wet ditch	0.97	0.32	0.47	0.22	453	48	23	0.41	33
97R0889	8170-8180	wet ditch	0.9	0.52	0.71	0.16	454	79	18	0.42	58
97R0890	8180-8190	wet ditch	0.76	0.29	0.45	0.18	453	59	24	0.39	38
97R0891	8190-8200	wet ditch	1.07	0.34	0.55	0.21	449	51	20	0.38	32
97R0892	8200-8210	wet ditch	0.76	0.29	0.48	0.21	453	63	28	0.38	38
<i>WT Foran-1</i>											
97R0963	7543.2	Core	6.96	5.88	35.54	0.42	433	511	6	0.14	84
97R0964	7557.0	Core	3.49	2.08	20.15	0.34	434	577	10	0.09	60
97R0965	8269.8	Core	0.43	0.15	0.24	0.08	435	56	19	0.38	35

labnum	Depth	Type	TOC	S1	S2	S3	Tmax	HI	OI	PI	HC
<i>Ikpihpuk-1</i>											
97R1003	9610-9620	wet ditch	1.61	0.53	0.95	0.09	460	59	6	0.36	33
97R1004	9620-9630	wet ditch	0.93	0.39	0.73	0.06	464	78	6	0.35	42
97R1005	9630-9640	wet ditch	0.6	0.28	0.48	0.07	456	80	12	0.37	47
97R1006	9640-9650	wet ditch	0.9	0.39	0.86	0.07	459	96	8	0.31	43
97R1007	9650-9660	wet ditch	1.02	0.35	0.54	0.09	459	53	9	0.39	34
97R1008	9660-9670	wet ditch	1.11	0.58	1.35	0.12	458	122	11	0.3	52
97R1009	9670-9680	wet ditch	0.97	0.43	0.79	0.06	461	81	6	0.35	44
97R1010	9680-9690	wet ditch	0.99	0.43	0.8	0.09	458	81	9	0.35	43
97R1011	9690-9700	wet ditch	1.08	0.49	1.02	0.08	460	94	7	0.32	45
97R1012	9650.0	SWC	1.18	0.5	1.38	0.15	453	117	13	0.27	42
97R1013	2945.2	Core	2.03	0.07	1.15	1.43	440	57	70	0.06	3
97R1014	2930.8	Core	0.49	0.04	0.27	0.5	441	55	102	0.13	8
97R1015	3783.8	Core	1.37	0.24	0.6	1.42	439	44	104	0.29	18
97R1016	3810.8	Core	1.34	0.09	0.57	1.75	438	43	131	0.14	7
97R1017	5700.0	Core	1.22	0.62	0.8	0.92	429	66	75	0.44	51
97R1018	7132.5	Core	1.49	0.24	1.15	0.73	442	77	49	0.17	16
97R1019	7142.3	Core	0.24	0.06	0.12	0.29	442	50	121	0.33	25
97R1020	7368.8	Core	4.89	1.17	8.47	0.21	441	173	4	0.12	24
97R1021	7377.0	Core	1.7	0.23	0.88	0.21	445	52	12	0.21	14
97R1022	7495.0	Core	2.38	0.55	3.72	0.57	443	156	24	0.13	23
97R1023	10270.5	Core	2.71	1.96	2.17	0.18	466	80	7	0.47	72
97R1024	10300.0	Core	0.79	0.3	0.38	0.07	457	48	9	0.44	38
97R1025	11108.0	Core	0.43	0.01	0.04	0.04	438	9	9	0.2	2
97R1026	11134.4	Core	0.52	0.02	0.06	0.09	452	12	17	0.25	4
97R1027	11719.9	Core	0.81	0.02	0.11	0.12	483	14	15	0.15	2
97R1028	12744.8	Core	0.18	0	0	0.06	0	0	33	0	0
97R1029	14973.3	Core	0.14	0.01	0	0.03	0	0	21	1	7



Sample 97P1279

labnum	req	filename	method	injdate	procdate	nc9	nc10	ip11	nc11	nc12	ip13	ip14	nc13	ip15	nc14	ip16
97R0908	LE	S970334.001	SGC.MET	17-Sep-97	25-Sep-97	0.016	0.027	0	0.011	0.067	0	0	0.039	0.01	0.07	0.019
97R1279	LE	S970336.001	SGC.MET	17-Sep-97	25-Sep-97	0.014	0.264	0.059	0.874	1.671	0.365	0.382	2.31	0.574	3.156	1.392

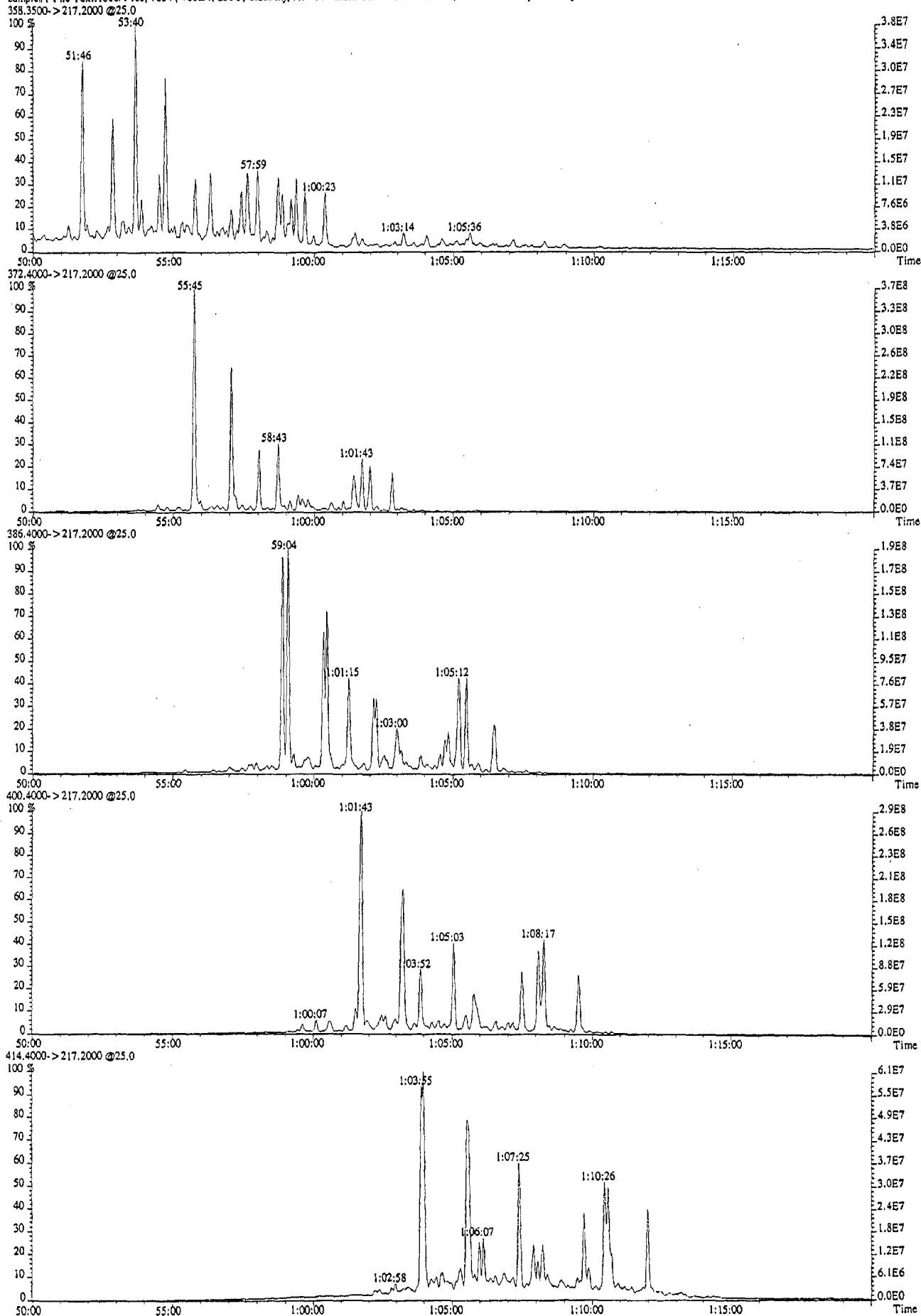
nc15	nc16	ip18	nc17	ip19	nc18	ip20	nc19	nc20	nc21	c25hbi	nc22	nc23	nc24	nc25	nc26	nc27	nc28	nc29	nc30
0.102	0.129	0.066	0.238	0.226	0.571	0.34	1.433	3.202	4.818	0	5.331	5.373	5.009	4.818	3.977	3.287	2.315	2.332	1.661
3.528	3.369	1.174	2.937	2.726	2.567	1.411	2.456	2.484	2.408	0	2.257	2.353	2.045	2.048	1.534	1.36	0.867	1	0.533

nc31	nc32	nc33	nc34	nc35	nc36	nc37	nc38	nc39	nc40	ta		nparaffin	isoprenoid	res_unk	cpi	priphy	nc17ip19
1.51	1.116	1.109	1.342	0.998	0.799	0.739	0.667	0.575	0.482	74753218		54.967	0.661	44.371	1.058	0.665	1.054
0.54	0.304	0.347	0.381	0.29	0.18	0.171	0.155	0.144	0.121	78630823		44.908	8.083	47.009	1.144	1.933	1.077

nc18ip20	nc18nc19	normnc17	normip19	normnc21	vendor	vendornum	comments	cpi_orggeo
1.679	0.399	4.514	4.283	91.203	BRI	AR-00094		1.058
1.82	1.045	36.389	33.778	29.833	BRI	AR-00094		1.144

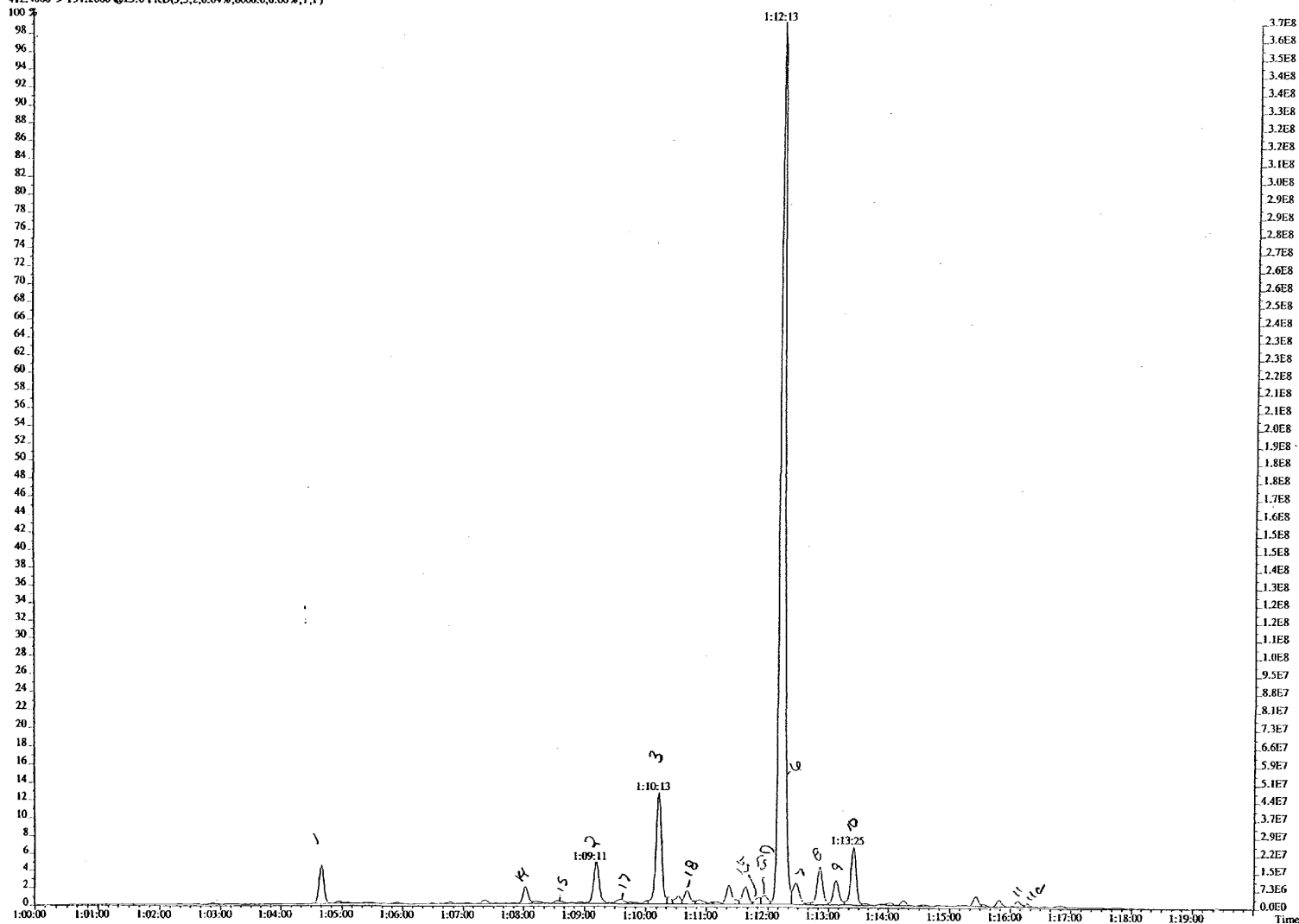
MRMQ
MRMQ

File: 97R0908-NM15-MRMQ #1-4717 Acq: 21-OCT-1997 19:22:42 GC EI+ Q-MRM AutoSpecQ
Sample #1 File Text: 1000/1 res, 70eV, 700uA, 250C, 0.2ul inj, Ar=9e-7mbar Text: 97R0908 sar 40,50 100PPM Exp: MRMQNMIRUN5

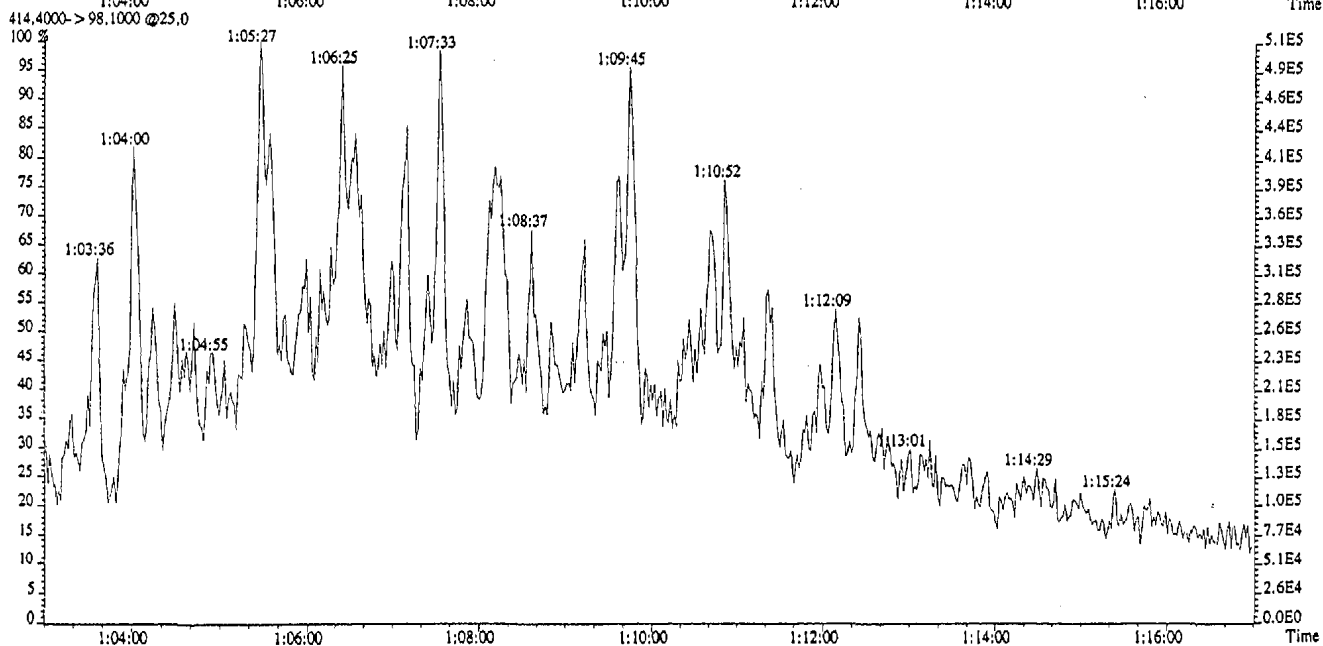
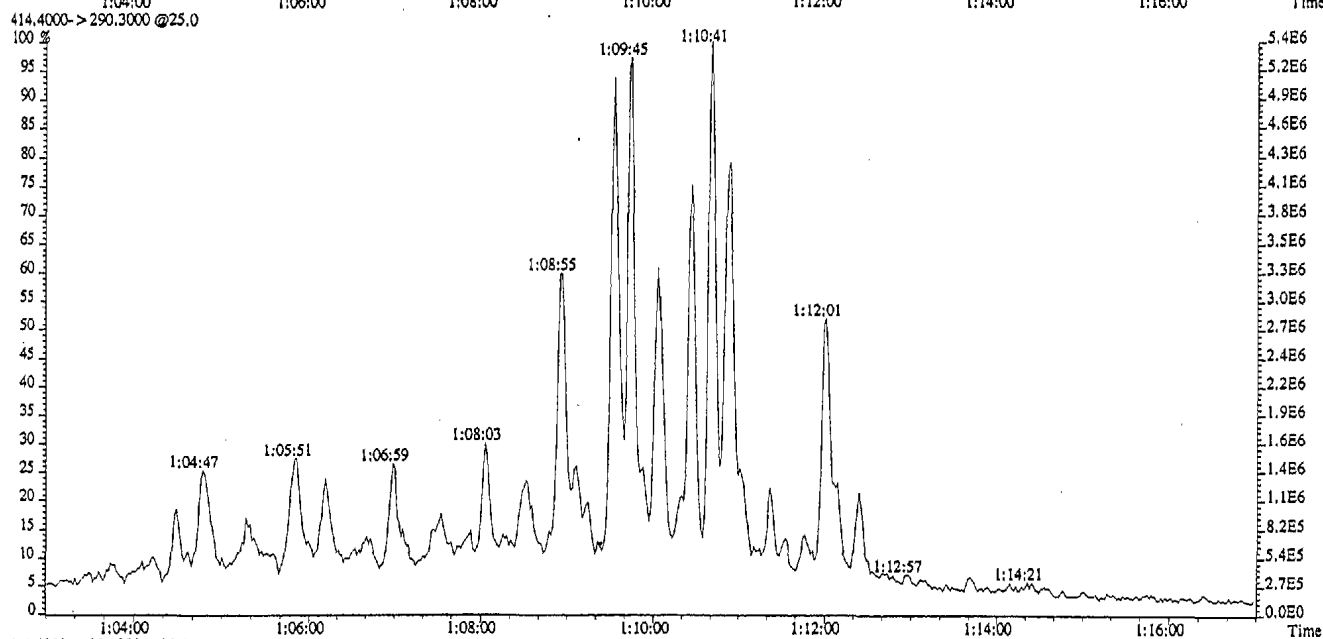
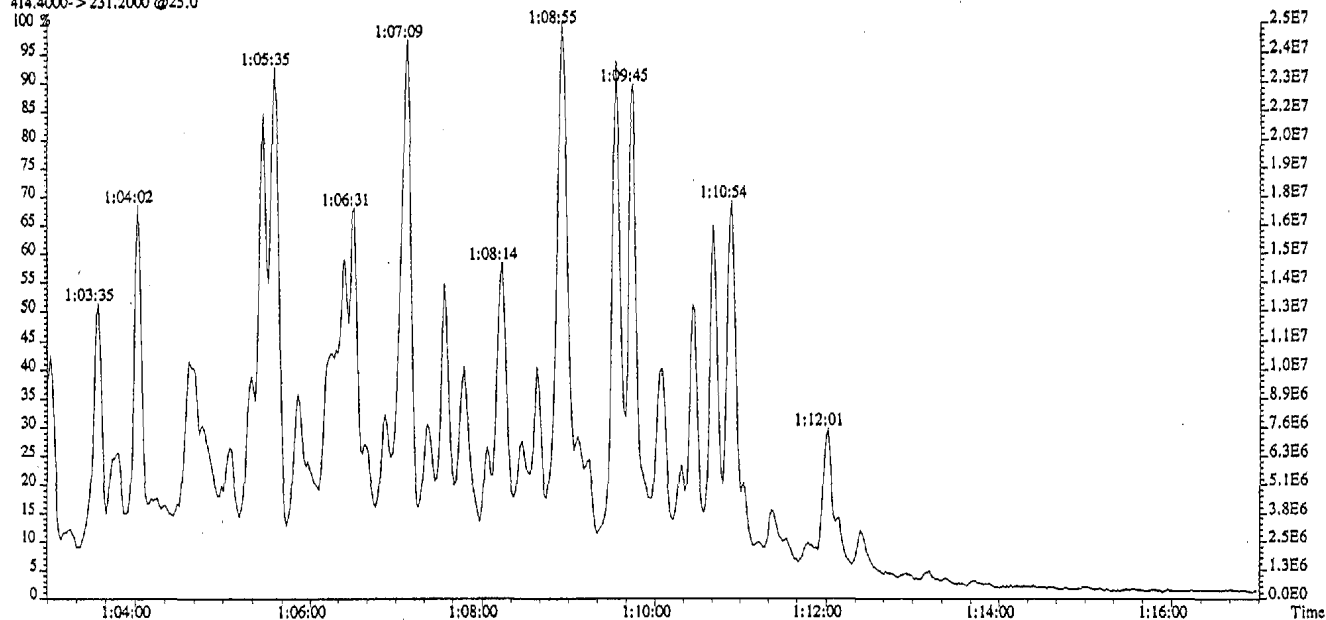


DW2M

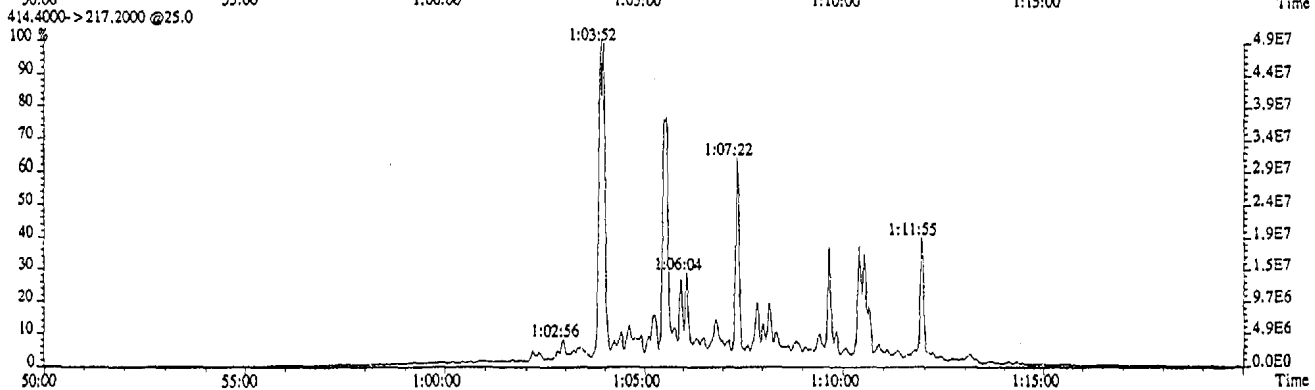
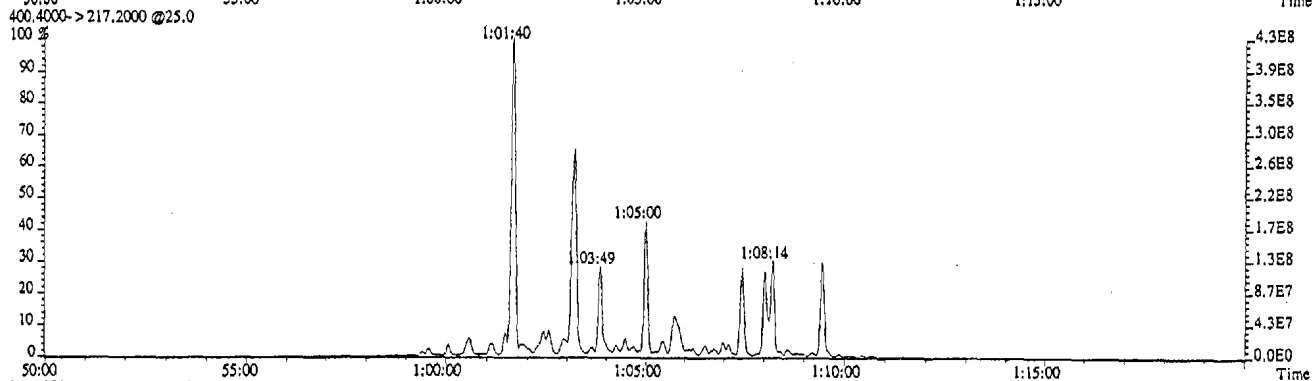
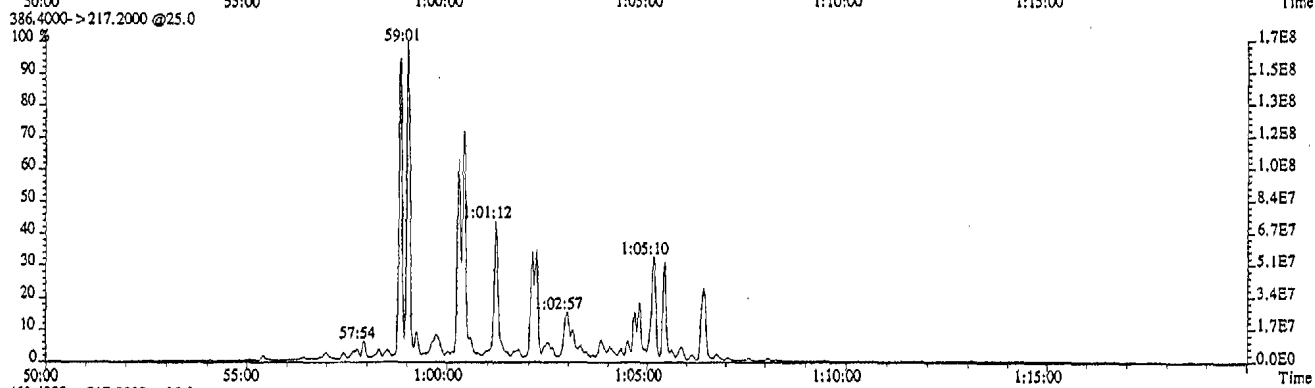
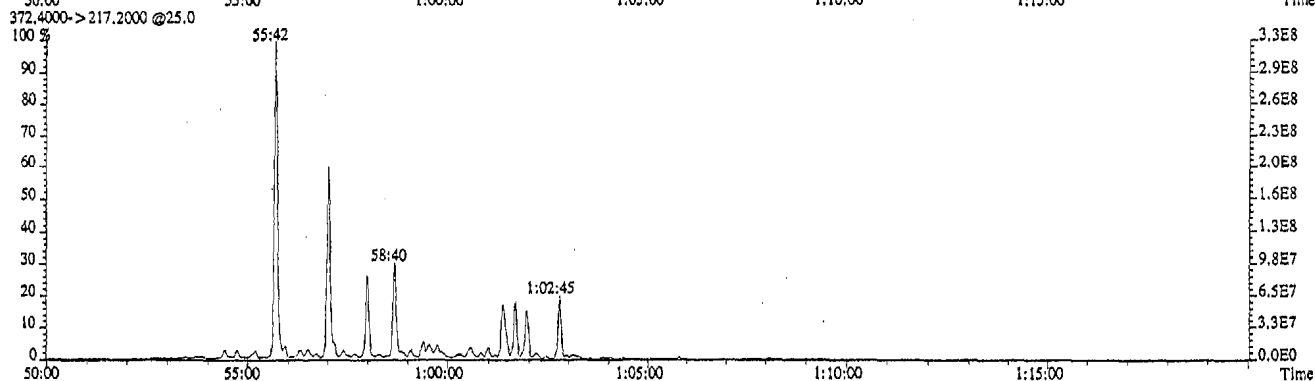
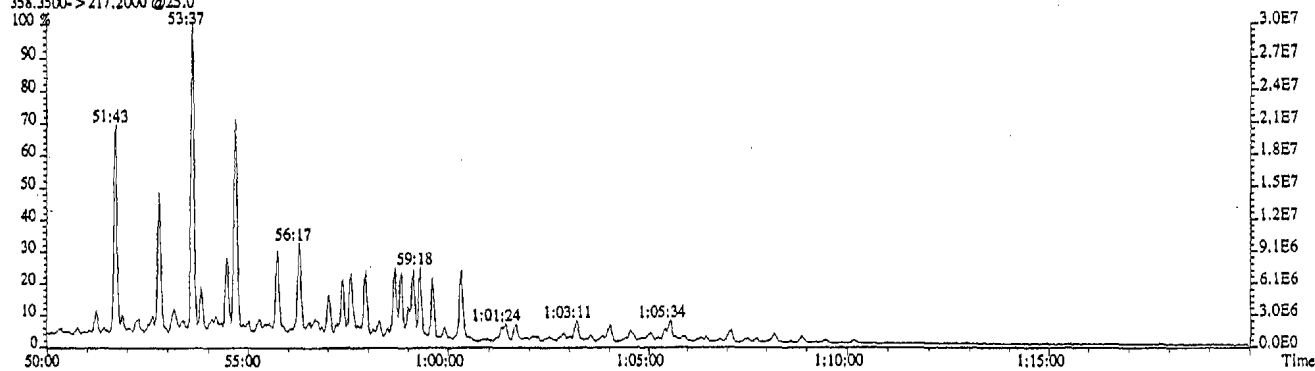
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 Sample #1 File Text: 1000/1 res, 70eV, 700uA, 250C, 0.2ul inj, Ar=9e-7mbar Text: 97R0908 sat 40,50 100PPM Exp: MRMQNMIRUN5
 412.4000->191.2000 @25.0 PKD(3,3,2,0.04%,8000.0,0.00%,T,F)



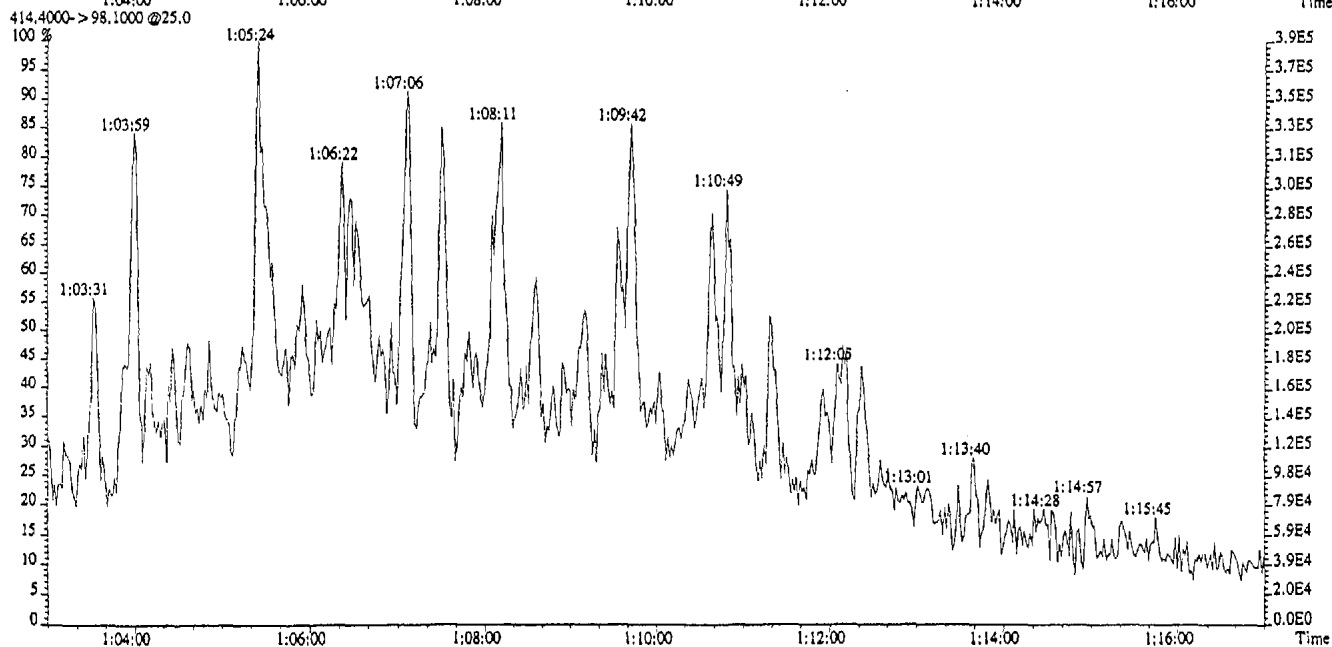
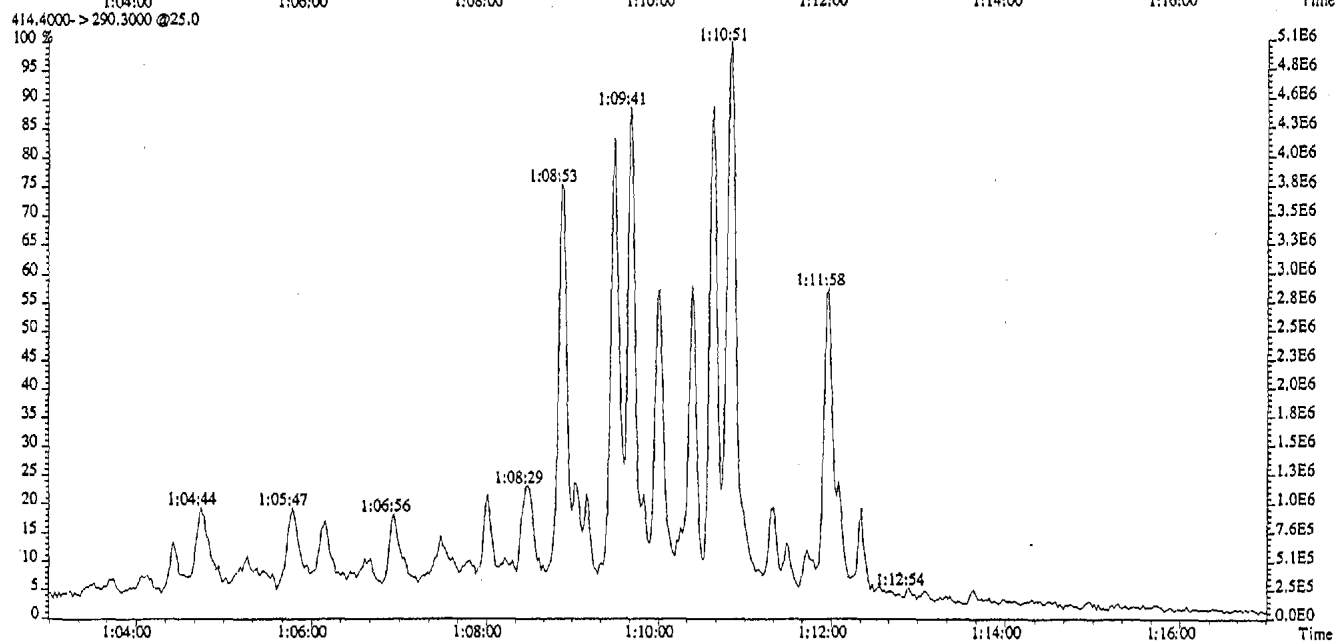
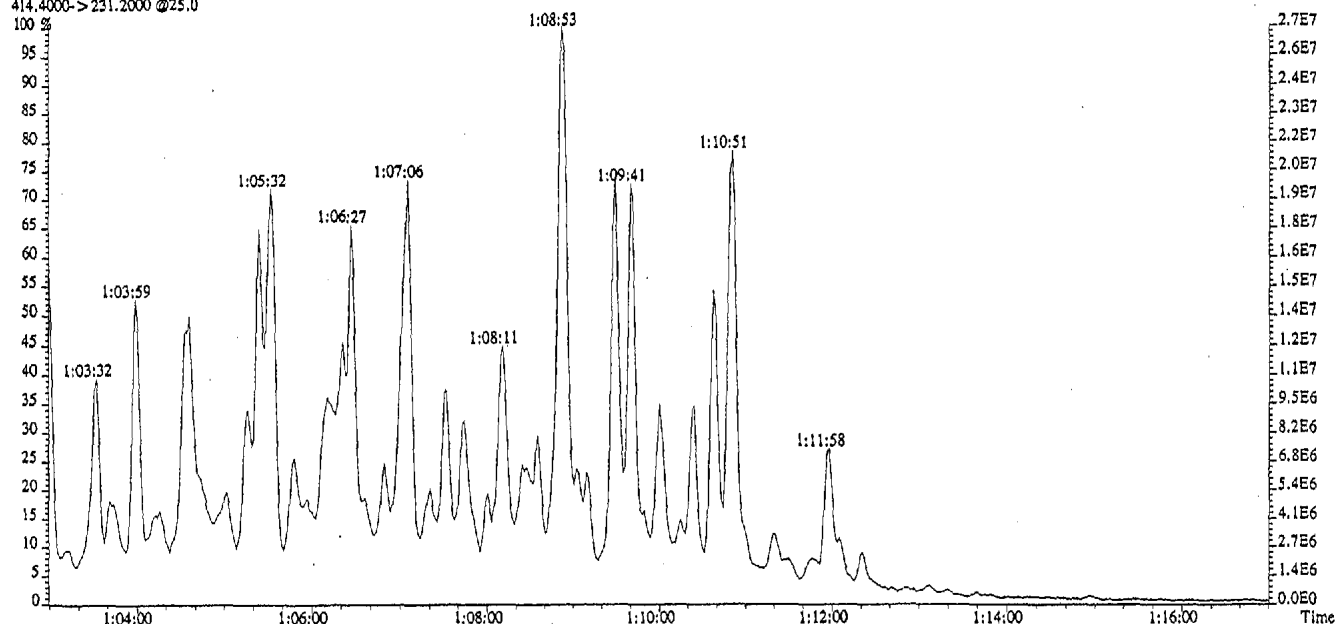
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Sample #1 File Text: 1000/1 res, 70eV, 700uA, 250C, 0.2ul inj, Ar=9e-7mbar Text: 97R0908 sat 40.50 100PPM Exp: MRMQNMIRUN5
414.4000->231.2000 @25.0



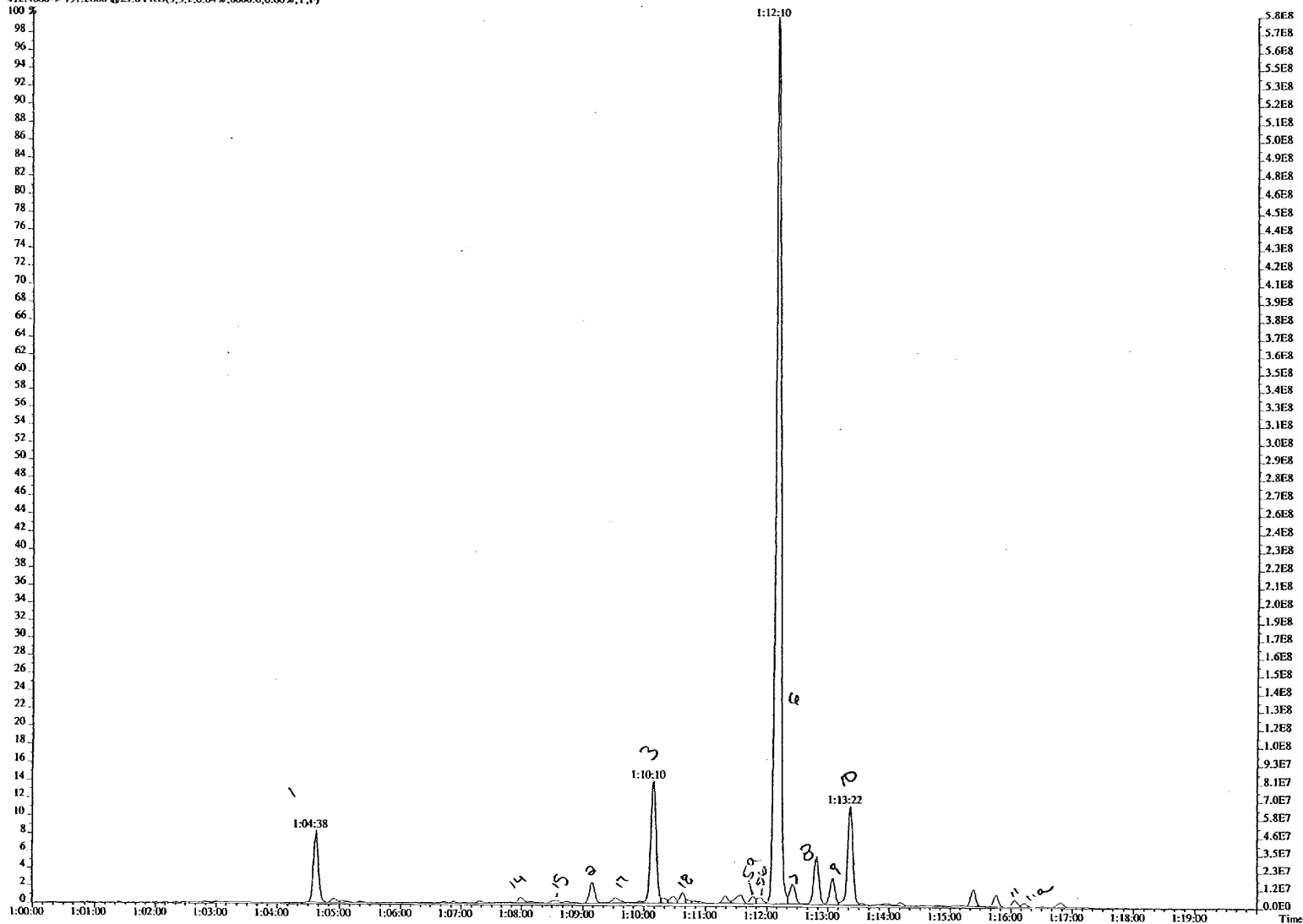
File: 97R1279-NM15-MRMQ #1-4717 Acq: 21-OCT-1997 17:33:16 GC EI+ Q-MRM AutoSpecQ
Sample#1 File Text: 1000/1 res, 70eV, 700uA, 250C, 0.2ul inj, Ar=9e-7mbar Text: 97R1279 sat 40.50 100PPM Exp: MRMQNMIRUN5
358.3500->217.2000 @25.0



File: 97R1279-NM15-MRMQ #1-4717 Acq: 21-OCT-1997 17:33:16 GC EI+ Q-MRM AutoSpecQ
Sample#1 File Text: 1000/1 res, 70eV, 700uA, 250C, 0.2ul inj, Ar=9e-7mbar Text: 97R1279 sat 40,50 100PPM Exp: MRMQNMIRUN5
414.4000->231.2000 @25.0



File: 97R1279-NM15-MRMQ #1-4717 Acq: 21-OCT-1997 17:33:16 GC EI+ Q-MRM AutoSpecQ
 Sample#1 File Text: 10001 res, 70eV, 700uA, 250C, 0.2ul inj, Ar=9e-7mbar Text: 97R1279 sat 40.50 100PPM Exp: MRMQNMRUNS
 412.4000->191.2000 @25.0 PKD(3,3,2,0.04%,8000,0,0.00%,T,F)





93 SAMPLES


DGSi Project: 97/3992

DGSi		ORGANIC MATTER (%)										RELATIVE ABUNDANCE										FLUORESCENCE / TAI										Ro					
		LIPIDS					HUMIC		OTHER			VITRINITE										REFLECTED					TRANSMITTED										
		UNSTRUCTURED		STRUCTURED			INERTINITE	VITRINITE	TYPE	TYPE	PYRITE TYPE	PYRITE	TOTAL ORGANIC MATTER	NORMAL	ROUGH	LIPID-RICH	OXIDIZED	COKED	LIPIDS		BACKGROUND INTENSITY	LIPIDS				VITRINITE REFLECTANCE OR EQUIVALENCY											
		UNDIFFERENTIATE	AMORPHOUS	MASSIVE	MICRINIZED	TYPE													TYPE	TYPE		TYPE	SOLID BITUMEN	UNSTR.	STRU.		UNSTR.	STRU.	TAI	FLUOR.	TAI		FLUOR.				
DGSi NUMBER	DATE:	PREPARATION/ SAMPLE TYPE	UNDIFFERENTIATE	AMORPHOUS	MASSIVE	MICRINIZED	TYPE	TYPE	TYPE	TYPE	SOLID BITUMEN	INERTINITE	VITRINITE	TYPE	TYPE	PYRITE TYPE	PYRITE	TOTAL ORGANIC MATTER	NORMAL	ROUGH	LIPID-RICH	OXIDIZED	COKED	COLOR	INTENSITY	COLOR	INTENSITY	BACKGROUND INTENSITY	VALUE	COLOR	INTENSITY	VALUE	COLOR	INTENSITY	VITRINITE REFLECTANCE OR EQUIVALENCY		
IDENTIFICATION	10/17/97						LD																														
501	97R0963	KCC		85			5					?	5	5	T		F	+	+	M	T	M			B	2	O	1	3	2	O	2		Y	-		
Comments:			Amorphous lipids with remnant algal structure.																																		
502	97R0984	KCC		85			5						5	5			F	+	+	+					OB	2	O	1	3	2	O	2		Y	-		
Comments:			Similar.																																		
503	97R0965	KCC		T		85	T						5	T			MA	-	M	+					BL	O			3	BL	O				-		
Comments:			Change to very fine-grained, micrized lipids with traces of amorphous lipids.																																		
Comments:																																					
Comments:																																					
Comments:																																					
Comments:																																					
ANALYST			SAMPLE TYPE/REP		STRUCTURED LIPIDS		OTHER ORGANIC MATTER		PYRITE		ABUND.		FLUOR. INTENS.		VIT. REFLECT. EQUIVALENCE		FLUOR. COLOR		TAI COLOR VALUES																		
X O'Connor			CTG	Cuttings	AL	Alginite	E	Exsudatinite	E	Euhedral	N	None	8	None	B	Bitumen	W	White	1-	Straw Yellow																	
			CC	Conv. Core	SB	Suberinite	G	Graptolites	F	Framboid	T	Trace	1	Weak	G	Graptolites	G	Green	1	Pale Yellow																	
			SWC	SideWallCore	C	Cutinite	VL	Lipid-Rich Vitrinite	MA	Massive	-	Small Amt.	2	Moderate	VL	Lipid-Rich Vitrinite	Y	Yellow	1+	Yellow																	
			OC	Outcrop	LD	Liptodetrinite	VC	Vitrinite Contamination	RI	Replac-	M	Mod. Amt.	3	Strong	VC	Vitrinite Contam.	O	Orange	2-	Yellow-Orange																	
			NI	No Inform.	U	Undiffer.	VR	Recycled Vitrinite		infill	+	Large Amt.	4	Intense	VR	Recycled Vitrinite	R	Red	2	Golden																	
			C	Coal	S	Sporinite					++	Abundant					B	Brown	2+	Amber																	
					R	Resinite											BL	Black	3-	Reddish Brown																	
			K	Kerogen	O	Other														3	Medium Brown																
			WR	Whole Rock																3+	Dark Brown																
																					4	Brown-Black															
																					4	Black															
																					4+	Black-Opaque															

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<div></div> <div>DGSi</div>			ORGANIC MATTER (%)										RELATIVE ABUNDANCE					FLUORESCENCE / TAI										Ro									
			LIPIDS					HUMIC	OTHER	PYRITE TYPE	PYRITE	TOTAL ORGANIC MATTER	VITRINITE					REFLECTED		TRANSMITTED																	
			UNSTRUCTURED		STRUCTURED								NORMAL	ROUGH	LIPID-RICH	OXIDIZED	COKED	LIPIDS		BACKGROUND INTENSITY	LIPIDS																
																		UNSTR.	STRU.		UNSTR.	STRU.	TAI	FLUOR.	TAI	FLUOR.											
DGSi NUMBER	DATE:	PREPARATION/ SAMPLE TYPE	UNDIFFERENTIATE	AMORPHOUS	MASSIVE	MICRINIZED	TYPE	TYPE	TYPE	TYPE	SOLID BITUMEN	INERTINITE	VITRINITE	TYPE	TYPE	MA	+	-	M	-	M	-	COKED	COLOR	INTENSITY	COLOR	INTENSITY	BACKGROUND INTENSITY	VALUE	COLOR	INTENSITY	VALUE	COLOR	INTENSITY	VITRINITE REFLECTANCE OR EQUIVALENCY		
IDENTIFICATION	10/30/97						U	S																													
401	97R0868	KCC				50	T	T				5	25	VL	20	MA	-	+	M	-	M	-		BL	0	0	1	4	n.d.				2	0	2	1	-
Comments:			Some lower rank vitrinite and VL have dark ox.																																		
402	97R0869	KCC				50	LD					5	40	VL	5	F	M	+	M	-	-	M		BL	0	0	1	3	3	BL	0		0	2	1	-	
Comments:			Moderate ox.																																		
403	97R0870	KCC				50	LD					5	35	VL	10	F	M	+	+	T	-		BL	0	0	1	4	n.d.					0	2	1	-	
Comments:																																					
404	97R0871	KCC				35	LD	5				10	40	VL	10	F	M	M	+	-	-	T	T	BL	0	0	1	4	n.d.				0	1	-		
Comments:			Trace coked vitrinite.																																		
405	97R0872	KCC				45	LD	5				10	35	VL	5	F	M	+	+	-	-		T	BL	0	0	1	4	2-	3+	BL	0		0	1	-	
Comments:			Trace graphite.																																		
ANALYST			SAMPLE TYPE/REP		STRUCTURED LIPIDS		OTHER ORGANIC MATTER		PYRITE		ABUND.		FLUOR. INTENS.		VIT. REFLECT. EQUIVALENCE		FLUOR. COLOR		TAI COLOR VALUES																		
			CTG	Cuttings	AL	Alginite	E	Exsudatinite	E	Euhedral	N	None	0	None	B	Bitumen	W	White	1-	Straw Yellow																	
X O'Connor			CC	Conv. Core	SB	Suberinite	G	Graptolites	F	Framboid	T	Trace	I	Weak	G	Graptolites	G	Green	1	Pale Yellow																	
			SWC	SideWall Core	C	Cutinite	VL	Lipid-Rich Vitrinite	MA	Massive	-	Small Amt.	2	Moderate	VL	Lipid-Rich Vitrinite	Y	Yellow	1+	Yellow																	
MICROSCOPE			OC	Outcrop	LD	Liptodetrinite	VC	Vitrinite Contamination	M	Mod. Amt.	3	Strong	VC	Vitrinite Contam.	O	Orange	2-	Yellow-Orange																			
			NI	No Inform.	U	Undiffer.	VR	Recycled Vitrinite	+	Large Amt.	4	Intense	VR	Recycled Vitrinite	R	Red	2	Golden																			
X Zeiss			C	Coal	S	Sporinite					++	Abundant					B	Brown	2+	Amber																	
			K	Kerogen	R	Resinite											BL	Black	3-	Reddish Brown																	
n.d. Not Determined			WR	Whole Rock	O	Other											D	Dark Brown	3+	Medium Brown																	
																				4-	Brown-Black																
																				4	Black																
																				4+	Black-Opaque																



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			ORGANIC MATTER (%)										RELATIVE ABUNDANCE										FLUORESCENCE / TAI										Ro																																																												
			LIPIDS					HUMIC		OTHER													REFLECTED					TRANSMITTED																																																																	
			UNSTRUCTURED		STRUCTURED																																																																																								
DGSI NUMBER	DATE:	PREPARATION/ SAMPLE TYPE	UNDIFFERENTIATE	AMORPHOUS	MASSIVE	MICRINIZED	TYPE	TYPE	TYPE	TYPE	SOLID BITUMEN	INERTINITE	VITRINITE	TYPE	TYPE	PYRITE TYPE	PYRITE	TOTAL ORGANIC MATTER	NORMAL	ROUGH	LIPID-RICH	OXIDIZED	COKED	COLOR	INTENSITY	COLOR	INTENSITY	BACKGROUND INTENSITY	VALUE	COLOR	INTENSITY	VALUE	COLOR	INTENSITY	VITRINITE REFLECTANCE OR EQUIVALENCY																																																										


406	97R0873	KCC				45	LD T					5	50	VL T		F	M	M	+	-	T	T		BL	0			4	n.d.			0	1	V 70.91		
Comments:																																				
407	97R0874	KCC				60	LD T					T	5	30	VL 5		F	+	+	+	-	-		T	DB	1	0	2	4	3-	BL	0		0	1	V 0.95
Comments: Trace of angular solid bitumen, granular solid bitumen, and graphite.																																				
408	97R0875	KCC				60	LD T					10	5	10	15		MA	+	+	M	-	M			DB	1			4	3-	BL	0		0	1	V 1.01
Comments: Unstructured lipids show angular texture in transmitted light.																																				
409	97R0876	KCC				90	LD T					T	5	5			MA F	++	+	M	M				DB	1			4	2+	DOB	1		0	2	V 71.05
Comments: Fine-grained unstructured lipids.																																				
410	97R0877	KCC				85							5	5	5		F E	M	M	M	-	M			BL	0			4	3-	BL	0				V 71.05
Comments:																																				

ANALYST		SAMPLE TYPE/REP	STRUCTURED LIPIDS	OTHER ORGANIC MATTER	PYRITE	ABUND.	FLUOR. INTENS.	VIT. REFLECT. EQUIVALENCY	FLUOR. COLOR	TAI/COLOR VALUES		
X O'Connor	MICROSCOPE	CTG Cuttings	AL Alginite	E Exsudatinitic	E Euhedral	N None	0 None	B Bitumen	W White	1- Straw Yellow		
		CC Conv. Core	SB Suberinitic	G Graptolites	F Framboid	T Trace	1 Weak	G Graptolites	G Green	1 Pale Yellow		
		SWC SideWallCore	C Cutinitic	VL Lipid-Rich Vitrinite	MA Massive	- Small Amt.	2 Moderate	VL Lipid-Rich Vitrinite	Y Yellow	1+ Yellow		
		OC Outcrop	LD Liptodetrinite	VC VitriniteContamination	RI Replace-infill	M Mod. Amt.	3 Strong	VC Vitrinite Contam.	O Orange	2- Yellow-Orange		
		NI No Inform.	U Undiffer.	VR Recycled Vitrinite		+	4 Intense	VR Recycled Vitrinite	R Red	2 Golden		
X Zeiss		C Coal	S Sporinitic			++ Abundant			B Brown	2+ Amber		
		K Kerogen	R Resinitic						BL Black	3- Reddish Brown		
		WR Whole Rock	O Other							3 Medium Brown		
										3+ Dark Brown		
		n.d. Not Determined							L Light	4- Brown-Black		
										D Dark	4 Black	
											4+ Black-Opaque	
VISUAL KEROGEN ANALYSIS Total Quality Geochemistry												



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<div></div> <div>DGSI</div>		ORGANIC MATTER (%)										RELATIVE ABUNDANCE					FLUORESCENCE / TAI										Ro								
		LIPIDS					HUMIC	OTHER	PYRITE TYPE	PYRITE	TOTAL ORGANIC MATTER	VITRINITE					LIPIDS		BACKGROUND INTENSITY	LIPIDS				VITRINITE REFLECTANCE OR EQUIVALENCY											
		UNSTRUCTURED		STRUCTURED								UNSTR.	STRU.	UNSTR.		STRU.																			
		TAI	FLUOR.	TAI	FLUOR.	TAI								FLUOR.	TAI	FLUOR.																			
DGS NUMBER	DATE:	PREPARATION/ SAMPLE TYPE	UNDIFFERENTIATE	AMORPHOUS	MASSIVE	MICRINIZED	TYPE	TYPE	TYPE	TYPE	SOLID BITUMEN	INERTENITE	VITRINITE	TYPE	TYPE	PYRITE TYPE	PYRITE	TOTAL ORGANIC MATTER	NORMAL	ROUGH	LIPID-RICH	OXIDIZED	COKED	COLOR	INTENSITY	COLOR	INTENSITY	BACKGROUND INTENSITY	VALUE	COLOR	INTENSITY	VALUE	COLOR	INTENSITY	VITRINITE REFLECTANCE OR EQUIVALENCY
IDENTIFICATION	10/30/97																																		
411	97R0878	KCC				85						5	10	VL		F	MA	+	+	+	-	T			BL	0		4	2+	BL	0				V 71.00
Comments:			Fine-grained micrinitized lipids.																																
412	97R0879	KCC				95						T	5	VL		F	MA	+	+	+	T	T			BL	0		4	2+	BL	0				V 70.98
Comments:			Same.																																
413	97R0880	KCC				95						T	5			F	MA	M	+	+	T			BL	0		4	3-	BL	0				-	
Comments:			Same.																																
414	97R0881	KCC				95	LD					T	T	VL		F	MA	++	+	T	-	+			BL	0		4	3-	BL	0		0	1	-
Comments:																																			
415	97R0882	KCC	80				LD					T	10	10	VL		F	MA	M	M	+	-	-		DB	1		4	2+	BL	0		0	1	V 71.07
Comments:			Unstructured lipids have grainy-massive texture. Trace graphite.																																
ANALYST	X O'Connor	MICROSCOPE	X Zeiss	SAMPLE TYPE/ PREP	STRUCTURED LIPIDS	OTHER ORGANIC MATTER	PYRITE	ABUND.	FLUOR. INTENS.	VIT. REFLECT. EQUIVALENCY	FLUOR. COLOR	TAI COLOR VALUES																							
				CTG	Cuttings	AL Alginate	E Euhedral	N None	0 None	B Bitumen	W White	1- Straw Yellow																							
				CC	Conv. Core	SB Suberinite	F Framboid	T Trace	1 Weak	G Graptolites	G Green	1 Pale Yellow																							
				SWC	SideWall Core	C Cutinite	MA Massive	- Small Amt	2 Moderate	VL Lipid-Rich Vitrinite	Y Yellow	1+ Yellow																							
				OC	Outcrop	LD Lipodetrinite	VC Vitrinite Contamination	M Mod. Amt.	3 Strong	VC Vitrinite Contam.	O Orange	2- Yellow-Orange																							
				NI	No Inforu.	U Undiffer.	VR Recycled Vitrinite	+ Large Amt	4 Intense	VR Recycled Vitrinite	R Red	2 Golden																							
				C	Coal	S Sporinite		++ Abundant			B Brown	2+ Amber																							
						R Resinite					BL Black	3- Reddish Brown																							
						O Other						3 Medium Brown																							
												3+ Dark Brown																							
		K Kerogen									L Light	4- Brown-Black																							
		WR Whole Rock									D Dark	4 Black																							
		a.d.	Not Determined									4+ Black-Opague																							
VISUAL KEROGEN ANALYSIS																																			
Total Quality Geochemistry																																			



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ORGANIC MATTER (%)										RELATIVE ABUNDANCE										FLUORESCENCE / TAI										Ro																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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GIMC Data Report 286



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			ORGANIC MATTER (%)										RELATIVE ABUNDANCE						FLUORESCENCE / TAI										Ro							
			LIPIDS					HUMIC	OTHER	RELATIVE ABUNDANCE						REFLECTED		TRANSMITTED																		
			UNSTRUCTURED		STRUCTURED											LIPIDS		LIPIDS																		
																UNSTR.	STRU.	UNSTR.		STRU.																
DGSI NUMBER	DATE:	PREPARATION/ SAMPLE TYPE	UNDIFFERENTIATE	AMORPHOUS	MASSIVE	MICRINIZED	TYPE	TYPE	TYPE	TYPE	SOLID BITUMEN	INERTINITE	VITRINITE	VL	TYPE	TYPE	PYRITE TYPE	PYRITE	TOTAL ORGANIC MATTER	NORMAL	ROUGH	LIPID-RICH	OXIDIZED	COKE	COLOR	INTENSITY	COLOR	INTENSITY	BACKGROUND INTENSITY	VALUE	COLOR	INTENSITY	VALUE	COLOR	INTENSITY	VITRINITE REFLECTANCE OR EQUIVALENCY
306	97R0929	KCC				45					50	T	T	5			F	+	+	T	-	+			BL	0			4	3-	BL	0			B 71.25 V 71.36	
Comments: Granular solid bitumen.																																				
307	97R0930	KCC				55					25	5	5	10			F	+	+	-	-	+			BL	0			4	3-	DOB	1			-	
Comments: Similar with more vitrinite and VL.																																				
308	97R0931	KCC				90	U	T				T	5	5			MA	F	+	M	+	-			BL	0			4	3-	BL	0			-	
Comments:																																				
309	97R0932	KCC				90						5	5				E	F	M	M	+				BL	0			4	3-	BL	0			V 71.66	
Comments: Dense, fine-grained, micrlnized lipids.																																				
310	97R0933	KCC				90						5	5	T			F	MA	M	+	+				BL	0			0	3+	BL	0			V 72.11	
Comments: Micrlnized lipids have angular holes and sponge texture.																																				
ANALYST		SAMPLE TYPE/PREP	STRUCTURED LIPIDS		OTHER ORGANIC MATTER		PYRITE		ABUND.	FLUOR. INTENS.	VII. REFLECT. EQUIVALENCE		FLUOR. COLOR	TAI COLOR VALUES																						
X O'Connor		CTG Cuttings CC Conv. Core SWC SideWall Core OC Outcrop NI No Inform. C Coal	AL Alginite SB Suberinite C Cadinite LD Liptodectinite U Undiffer. S Spocinite R Resinite O Other	E Exsudatinite G Graptolites VI Lipid-Rich Vitrinite VC Vitrinite Contamination VR Recycled Vitrinite	E Euhedral F Famboid. MA Massive RI Replace- infill + Large Amt. ++ Abundant	N None T Trace - Small Amt M Mod. Amt. + Large Amt. ++ Abundant	0 Nonc 1 Weak 2 Moderate 3 Strong 4 Intense	B Bitumen G Graptolites VI Lipid-Rich Vitrinite VC Vitrinite Contam. VR Recycled Vitrinite	W White G Green Y Yellow O Orange R Red B Brown BL Black	1- Straw Yellow 1- Pale Yellow 1+ Yellow 2- Yellow-Orange 2 Golden 2+ Amber 3- Reddish Brown 3 Medium Brown 3+ Dark Brown 4- Brown-Black 4 Black 4+ Black-Opaque																										
MICROSCOPE		K Kerogen WR Whole Rock											L Light D Dark																							
X Zeiss		a.d. Not Determined																																		
VISUAL KEROGEN ANALYSIS Total Quality Geochemistry																																				



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DGSi			ORGANIC MATTER (%)												RELATIVE ABUNDANCE					FLUORESCENCE / TAI										Ro																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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93 SAMPLES

DGSI Project: 97/3992

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DGSi NUMBER	DATE:	PREPARATION/ SAMPLE TYPE	UNDIFFERENTIATE	AMORPHOUS	MASSIVE	MICRINIZED	TYPE	TYPE	TYPE	TYPE	SOLID BITUMEN	INERTINITE	VITRINITE	TYPE	TYPE	PYRITE TYPE	PYRITE	TOTAL ORGANIC MATTER	NORMAL	ROUGH	LIPID-RICH	OXIDIZED	COKED	COLOR	INTENSITY	COLOR	INTENSITY	BACKGROUND INTENSITY	VALUE	COLOR	INTENSITY	TAI	FLUOR.	TAI	FLUOR.	INTENSITY	VITRINITE REFLECTANCE OR EQUIVALENCY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
106	97R1018	KCC	35				LD	5				5	30	25		F	-	M	M	-	M		T	BL	0	O	2	4	n.d.					O	2	1	-	V 71.02																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Comments: Unoxidized terrestrial fragments with grainy unstructured material. Trace graphite.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
107	97R1020	KCC			80		LD	5			T	5	5	5		F	M	+	M	-	M			BL	0			4	2+	BL	0			O	2	1	-	V 71.11																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Comments: Unstructured lipids have massive to grainy texture.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
108	97R1021	KCC			30		LD	T				60	5	5	T	F	M	+	+		T			BL	0			4	3-	BL	0			O	1	-	V 71.16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Comments: Massive lipids with granular solid bitumen.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
109	97R1022	KCC			60		LD	C	S	AL	?	?	5	5	5	MA	-	+	?	M	M		T	BL	0	DOB	1	4	2+	BL	0	2		O	2	1	-	V 71.17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Comments: Grainy-massive lipids with difficult to identify inclusions. Woody material and structured lipids identified in transmitted light.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
110	97R1023	KCC				90						T	5	5		MA	+	M	+	T				BL	0			1	4-	BL	0					-	V 71.92																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Comments: Fine-grained, micrized unstructured lipids																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
ANALYST			SAMPLE TYPE/REP			STRUCTURED LIPIDS		OTHER ORGANIC MATTER		PYRITE		ABUND.		FLUOR. INTENS.		VIT. REFLECT. EQUIVALENCY		FLUOR. COLOR		TAI COLOR VALUES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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93 SAMPLES

DGSI Project: 97/3992[illegible]



93 SAMPLES

DGSJ Project: 97/3992

[illegible]



93 SAMPLES

DGS1 Project: 97/3992

[illegible]



93 SAMPLES

DGSI Project: 97/3992

DGS

<div>DGS</div>		ORGANIC MATTER (%)										RELATIVE ABUNDANCE										REFLECTED				TRANSMITTED				Ro						
		LIPIDS					HUMIC		OTHER			VITRINITE							LIPIDS		BACKGROUND INTENSITY	LIPIDS				VITRINITE REFLECTANCE OR EQUIVALENCY										
		UNSTRUCTURED			STRUCTURED				TOTAL ORGANIC MATTER	NORMAL	ROUGH	LIPID-RICH	OXIDIZED	COKED	COLOR	INTENSITY	COLOR	INTENSITY	UNSTR.	STRU.		LIPIDS														
																						TAI	FLUOR.	TAI	FLUOR.											
DGS NUMBER	DATE:	PREPARATION/ SAMPLE TYPE	UNDIFFERENTIATE	AMORPHOUS	MASSIVE	MICRINIZED	TYPE	TYPE	TYPE	TYPE	SOLID BITUMEN	INERTINITE	VITRINITE	TYPE	TYPE	PYRITE TYPE	PYRITE	TOTAL ORGANIC MATTER	NORMAL	ROUGH	LIPID-RICH	OXIDIZED	COKED	COLOR	INTENSITY	COLOR	INTENSITY	BACKGROUND INTENSITY	VALUE	COLOR	INTENSITY	VALUE	COLOR	INTENSITY		
6	97R0898	KCC	25				LD	S			7	40	30	T		F	M	+	M	M	T	M		DB	1	O	1	1	nd			2	O	1	-	
Comments:																																				
7	97R0899	KCC	25				LD	S					35	35		F	M	M	-	+		+	T	DB	1	Y	2	2	2	BL	O	1	-			
Comments: Low-rank vit. is too oxidized for Ro																																				
8	97R0900	KCC	40				LD					30	30			F	M	M	-	+	+			BL	0	O	3	1	nd				O	1	-	
Comments:																																				
9	97R0901	KCC	15				LD	C	R			20	30	25	VL		MA	M	M	-	M	M	M		DB	1	O	2	3	nd				O	2	-
Comments: Low-rank woody structure in slide.																																				
10	97R0902	KCC	15		T		LD	S				15	50	15	VL		MA	-	M	T	+	M	+	T	DB	1	O	1	2	nd				O	2	-
Comments:																																				
ANALYST		SAMPLE TYPE/REP	STRUCTURED LIPIDS		OTHER ORGANIC MATTER		PYRITE		ABUND.		FLUOR. INTENS.		VIT. REFLECT. EQUIVALENCY		FLUOR. COLOR		TAI COLOR VALUES																			
X O'Connor		CTG	Cuttings	AL	Alginite	E	Exsudatinites	E	Euhedral	N	None	B	Bitumen	W	White	1-	Straw Yellow																			
		OC	Conv. Core	SB	Suberinite	G	Graptolites	F	Framboid	T	Trace	1	Weak	G	Green	1	Pale Yellow																			
		SWC	SideWall/Core	C	Cutinite	VL	Lipid-Rich Vitrinite	MA	Massive	-	Small Amt.	2	Moderate	VL	Lipid-Rich Vitrinite	Y	Yellow																			
		OC	Outcrop	VC	Lipidetrinitite	VR	Vitrinite Contamination	RI	Replacement	M	Mod. Amt.	3	Strong	VC	Vitrinite Contam.	O	Orange																			
		NI	No Inform	U	Undiffer	VR	Recycled Vitrinite		infill	+	Large Amt.	4	Intense	VR	Recycled Vitrinite	R	Red																			
MICROSCOPE		C	Coal	S	Sporinite					++	Abundant			B	Brown	2+	Amber																			
		K	Kerogen	R	Resinite									BL	Black	3	Reddish Brown																			
		WR	Whole Rock	O	Other											3	Medium Brown																			
																	3+	Dark Brown																		
																	4	Brown-Black																		
X Zeiss																																				
VISUAL KEROGEN ANALYSIS Total Quality Geochemistry																																				



93 SAMPLES

DGS1 Project: 97/3992

[illegible]



93 SAMPLES

DGSI Project: 97/3992

DGS I

Rock Project 08000

DGS I		ORGANIC MATTER (%)						RELATIVE ABUNDANCE								REFLECTED		TRANSMITTED				Ro														
		LIPIDS				HUMIC	OTHER				TOTAL ORGANIC MATTER	VITRINITE				LIPIDS		BACKGROUND INTENSITY	LIPIDS																	
		UNSTRUCTURED		STRUCTURED								UNSTR.	STRU.	LIPIDS		LIPIDS																				
														TAI	FLUOR.	TAI	FLUOR.																			
DGSI NUMBER	DATE:	PREPARATION/ SAMPLE TYPE	UNDIFFERENTIATE	AMORPHOUS	MASSEVE	MICRINIZED	TYPE	TYPE	TYPE	TYPE	SOLID BITUMEN	INERTINITE	VITRINITE	TYPE	TYPE	PYRITE TYPE	PYRITE		NORMAL	ROUGH	LIPID-RICH	OXIDIZED	COKED	COLOR	INTENSITY	COLOR	INTENSITY	VALUE	COLOR	INTENSITY	VALUE	COLOR	INTENSITY	VITRINITE REFLECTANCE OR EQUIVALENCY		
16	97R0910	KCC	30				LD	T				10	30	30		E	MA	M	-	M	M	M	-		DB	1	O	1	1	n.d.				O	1	V 70.95
Comments: Small amount of organic matter.																																				
17	97R0911	KCC				45	U	S				10	30	10		F	MA	+	+	+	-	-	-		BL	0			3	n.d.				O	2	V 0.94
Comments:																																				
18	97R0912	KCC				50	LD	S				10	30	5		F	MA	+	+	+	-	-			BL	0	O	1	4	n.d.				O	1	V 70.99
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