Vitrinite reflectance maceral data from the following North Slope exploratory oil & gas well materials:

ARCO Alaska Inc. Gyr No. 1 washed cuttings (960' - 7,990') and core (5,465');
ARCO Alaska Inc. Pipeline State No. 1 washed cuttings (1,980' - 10,360');
BP Exploration (Alaska) Inc. Kuparuk Uplands Ekvik-1 washed cuttings (480' - 6,000');
Chevron USA Inc. Karluk No. 1 washed cuttings (1,480' - 11,070); and
Texaco Inc. West Kurupa Unit No. 1 washed cuttings (1,890' - 11,060').

Received 3 November 1995 Total of 82 pages in report

Alaska Geologic Materials Center Data Report No. 260

Texaco Inc. West Kurupa Unit No. 1

jobno	seq	sample id	api	top dpt	bot dpt	litho (shale)
93026001	1	W KARUPA	9501372000100000001	320	350	FLSH100
93026002	1	W KARUPA	9501372000100000002	580	600	FLSH100
93026003	1	W KARUPA	9501372000100000003	880	910	FLSH100
93026004	1	W KARUPA	9501372000100000004	1380	1410	FLSH100
93026005	1	W KARUPA	9501372000100000005	1890	1910	FLSH100
93026006	1	W KARUPA	9501372000100000006	2290	2310	FLSH100
93026007	1	W KARUPA	9501372000100000007	2490	2510	FLSH100
93026008	1	W KARUPA	9501372000100000008	2690	2710	FLSH100
93026009	1	W KARUPA	9501372000100000009	2990	3010	FLSH100
93026010	1	W KARUPA	9501372000100000010	3240	3260	FLSH100
93026011	1	W KARUPA	9501372000100000011	3490	3510	FLSH100
93026012	1	W KARUPA	9501372000100000012	3740	3760	FLSH100
93026013	1	W KARUPA	9501372000100000013	3980	4010	FLSH100
93026014	1	W KARUPA	9501372000100000014	4340	4360	FLSH100
93026015	1	W KARUPA	9501372000100000015	4490	4520	FLSH100
93026016	1	W KARUPA	9501372000100000016	4740	4760	FLSH100
93026017	1	W KARUPA	9501372000100000017	4990	5020	FLSH100
93026018	1	W KARUPA	9501372000100000018	5240	5260	FLSH100
93026019	1	W KARUPA	9501372000100000019	5490	5510	FLSH100
93026020	1	W KARUPA	9501372000100000020	5730	5750	FLSH100
93026021	1	W KARUPA	9501372000100000021	5980	6010	FLSH100
93026022	1	W KARUPA	9501372000100000022	6240	6260	FLSH100
93026023	1	W KARUPA	9501372000100000023	6500	6530	FLSH100
93026024	1	W KARUPA	9501372000100000024	6730	6750	FLSH100
93026025	1	W KARUPA	9501372000100000025	6980	7010	FLSH100
93026026	1	W KARUPA	9501372000100000026	7180	7200	FLSH100
93026027	1	W KARUPA	9501372000100000027	7380	7410	FLSH100
93026028	1	W KARUPA	9501372000100000028	7570	7600	FLSH100
93026029	1	W KARUPA	9501372000100000029	7990	8020	FLSH100
93026030	1	W KARUPA	9501372000100000030	8230	8250	FLSH100
93026031	1	W KARUPA	9501372000100000031	8490	8520	FLSH100
93026032	1	W KARUPA	9501372000100000032	8730	8750	FLSH100
93026033	1	W KARUPA	9501372000100000033	8980	9010	FLSH100
93026034	1	W KARUPA	9501372000100000034	9490	9520	FLSH100
93026035	1	W KARUPA	9501372000100000035	9990	10010	FLSH100
93026036	1	W KARUPA	9501372000100000036	10240	10260	FLSH100
93026037	1	W KARUPA	9501372000100000037	10480	10510	FLSH100
93026038	1	W KARUPA	9501372000100000038	10740	10760	FLSH100
93026039	1	W KARUPA	9501372000100000039	11028	11060	FLSH100

ARCO Alaska Inc.

93026040	1	GYR	9502232001800000001	480	540	FLSH100
93026041	1	GYR	9502232001800000002	960	1020	FLSH100
93026042	1	GYR	9502232001800000003	1470	1530	FLSH100
93026043	1	GYR	9502232001800000004	1980	2040	FLSH100
93026044	1	GYR	9502232001800000005	2490	2550	FLSH100
93026045	1	GYR	9502232001800000006	2990	3030	FLSH100
93026046	1	GYR	9502232001800000007	3480	3540	FLSH100
93026047	1	GYR	9502232001800000008	3960	4020	FLSH100
93026048	1	GYR	9502232001800000009	4470	4530	FLSH100
93026049	1	GYR	9502232001800000010	4980	5020	FLSH100
93026050	1	GYR	9502232001800000011	5465	5465	FLSH100
93026051	1	GYR	9502232001800000012	5990	6010	FLSH100
93026052	1	GYR	9502232001800000013	6480	6500	FLSH100
93026053	1	GYR	9502232001800000014	6740	6760	FLSH100
93026054	1	GYR	9502232001800000015	6980	7010	FLSH100
93026055	1	GYR	9502232001800000016	7750	7770	FLSH100
93026056	1	GYR	9502232001800000017	7490	7530	FLSH100
93026057	1	GYR	9502232001800000018	7960	7990	FLSH100

Chevron USA

93026058	1	KARLUK	9500292189700000001	1480	1540	FLSH100
93026059	1	KARLUK	9500292189700000002	1990	2050	FLSH100
93026060	1	KARLUK	9500292189700000003	2970	3030	FLSH100
93026061	1	KARLUK	9500292189700000004	3480	3540	FLSH100
93026062	1	KARLUK	9500292189700000005	3990	4050	FLSH100
93026063	1	KARLUK	9500292189700000006	4470	4530	FLSH100
93026064	1	KARLUK	9500292189700000007	4980	5040	FLSH100
93026065	1	KARLUK	9500292189700000008	5490	5550	FLSH100
93026066	1	KARLUK	9500292189700000009	5970	6030	FLSH100
93026067	1	KARLUK	9500292189700000010	6990	7050	FLSH100
93026068	1	KARLUK	9500292189700000011	7800	7860	FLSH100
93026069	1	KARLUK	9500292189700000012	8190	8250	FLSH100
93026070	1	KARLUK	9500292189700000013	8730	8790	FLSH100
93026071	1	KARLUK	9500292189700000014	9240	9300	FLSH100
93026072	1	KARLUK	9500292189700000015	9750	9810	FLSH100
93026073	1	KARLUK	9500292189700000016	10110	10170	FLSH100
93026074	1	KARLUK	9500292189700000017	10740	10800	FLSH100
93026075	1	KARLUK	9500292189700000018	11010	11070	FLSH100

BP Exploration (Alaska) Inc. Kuparuk Uplands Ekvik No. 1

93026076	1	EKVIK	9502872000900000001	480	540	FLSH100
93026077	1	EKVIK	9502872000900000002	990	1050	FLSH100
93026078	1	EKVIK	9502872000900000003	1470	1530	FLSH100
93026079	1	EKVIK	9502872000900000004	1980	2040	FLSH100

93026080	1	EKVIK	9502872000900000005	2460	2520	FLSH100	
93026081	1	EKVIK	9502872000900000006	2970	3030	FLSH100	
93026082	1	EKVIK	9502872000900000007	3480	3540	FLSH100	
93026083	1	EKVIK	9502872000900000008	3990	4050	FLSH100	
93026084	1	EKVIK	9502872000900000009	4470.	4530	FLSH100	
93026085	1	EKVIK	9502872000900000010	4980	5040	FLSH100	
93026086	1	EKVIK	9502872000900000011	5460	5520	FLSH100	
93026087	1	EKVIK	9502872000900000012	5730	5790	FLSH100	
93026088	1	EKVIK	9502872000900000013	5940	6000	FLSH100	

ARCO Alaska

slides are numbered 73-26 89 → 99

93089001	1	PIPELINE	STATE	9502232001600000001	1980	2010	FLSH100
93089002	1	PIPELINE	STATE	9502232001600000002	2490	2520	FLSH100
93089003	1	PIPELINE	STATE	9502232001600000003	2970	3030	FLSH100
93089004	1	PIPELINE	STATE	9502232001600000004	3480	3540	FLSH100
93089005	1	PIPELINE	STATE	9502232001600000005	4470	4520	FLSH100
93089006	1	PIPELINE	STATE	9502232001600000006	5010	5020	FLSH100
93089007	1	PIPELINE	STATE	9502232001600000007	5490	5520	FLSH100
93089008	1	PIPELINE	STATE	9502232001600000008	5990	6010.	FLSH100
93089009	1	PIPELINE	STATE	9502232001600000009	6490	6510	FLSH100
93089010	1	PIPELINE	STATE	9502232001600000010	6990	7010	FLSH100
93089011	1	PIPELINE	STATE	9502232001600000011	7490	7520	FLSH100
93089012	1	PIPELINE	STATE	9502232001600000012	7990	8020	FLSH100
93089013	1	PIPELINE	STATE	9502232001600000013	8500	8520	FLSH100
93089014	1	PIPELINE	STATE	9502232001600000014	8740	8760	FLSH100
93089015	1	PIPELINE	STATE	9502232001600000015	8990	9010	FLSH100
93089016	1	PIPELINE	STATE	9502232001600000016	9240	9260	FLSH100
93089017	1	PIPELINE	STATE	9502232001600000017	9490	9510	FLSH100
93089018	1	PIPELINE	STATE	9502232001600000018	9740	9760	FLSH100
93089019	1	PIPELINE	STATE	9502232001600000019	9990	10010	FLSH100
93089020	1	PIPELINE	STATE	9502232001600000020	10340	10360	FLSH100

File Name: 93026005
Channel Name: Alaska
Description: 93 26-5 Alaska North Slope Texaco W. Karupa #1 1,890-910'
Comment 1: Very good sample. Abundant organics, very consistent.
Comment 2: Very little recycled material. Easy scan.
Comment 3:
Comment 4:
Comment 5:
Comment 6:

93 26-5
1,890'-1,910'

	Meas1	Meas2	Ratio	Conc.
Min:	0.61			
Max:	0.74			
Mean:	0.67			
StDev:	0.03			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.68			
2				0.62			
3				0.68			
4				0.66			
5				0.71			
6				0.70			
7				0.64			
8				0.66			
9				0.68			
10				0.67			
11				0.63			
12				0.63			
13				0.68			
14				0.62			
15				0.69			
16				0.68			
17				0.68			
18				0.67			
19				0.67			
20				0.66			
21				0.62			
22				0.70			
23				0.62			
24				0.70			
25				0.62			
26				0.72			
27				0.74			
28				0.64			
29				0.61			
30				0.64			
31				0.62			
32				0.63			
33				0.66			
34				0.63			
35				0.71			
36				0.68			
37				0.65			
38				0.69			
39				0.71			
40				0.68			
41				0.64			
42				0.62			
43				0.71			
44				0.68			
45				0.73			
46				0.68			
47				0.66			
48				0.65			
49				0.65			
50				0.70			
51				0.67			

File Name: 93026007
Channel Name: [illegible]
Description: 93 26-7 Alaska North Slope Texaco W. Kuparuk #1 2,490'-2,510'
Comment 1: Very good sample. Abundant organics. Fairly consistent.
Comment 2: About 10% high rank recycled pieces.
Comment 3:
Comment 4:
Comment 5:
Comment 6:

93 26-7
2,490'-2,510'

	Meas'	Meas.	Ratio	Conc.
Min:	[illegible]	[illegible]		
Max:	[illegible]	[illegible]		
Mean:	[illegible]	[illegible]		
Stdev:	[illegible]			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas'	Meas.	Ratio	Conc.
1				0.54			
2				0.68			
3				0.71			
4				0.67			
5				0.71			
6				0.72			
7				0.63			
8				0.74			
9				0.70			
10				0.72			
11				0.61			
12				0.65			
13				0.71			
14				0.75			
15				0.72			
16				0.64			
17				0.68			
18				0.71			
19				0.72			
20				0.71			
21				0.70			
22				0.66			
23				0.69			
24				0.71			
25				0.66			
26				0.73			
27				0.72			
28				0.64			
29				0.69			
30				0.70			
31				0.71			
32				0.69			
33				0.68			
34				0.77			
35				0.72			

93 26-8
2,690'-2,710'

File Name: 93026008
Channel Name: Alaska
Description: 93 26-8 Alaska North Slope Texaco W. Karupa #1 2,690-710'
Comment 1: Very good sample. Abundant organics, a diverse organics
Comment 2: selection. About 12-15 percent recycled material.
Comment 3:
Comment 4:
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.61			
Max:	0.88			
Mean:	0.71			
StDev:	0.06			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.67			
2				0.78			
3				0.68			
4				0.75			
5				0.74			
6				0.68			
7				0.72			
8				0.70			
9				0.75			
10				0.67			
11				0.67			
12				0.78			
13				0.68			
14				0.78			
15				0.65			
16				0.65			
17				0.65			
18				0.67			
19				0.61			
20				0.70			
21				0.62			
22				0.68			
23				0.71			
24				0.64			
25				0.72			
26				0.65			
27				0.78			
28				0.81			
29				0.80			
30				0.69			
31				0.63			
32				0.66			
33				0.88			
34				0.83			
35				0.74			
36				0.65			
37				0.65			
38				0.71			
39				0.78			
40				0.78			
41				0.70			

93 26-9
2,990'-3,010'

File Name: 93026009
Channel Name: Alaska
Description: 93 26-9 Alaska N. Slope Texaco W.Karupa #1 2,990-3,010
Comment 1: Very good sample. Abundant organics, a diverse
Comment 2: selection. About 5-10 percent recycled material.
Comment 3:
Comment 4:
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.67			
Max:	0.88			
Mean:	0.77			
StDev:	0.07			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.67			
2				0.67			
3				0.68			
4				0.73			
5				0.71			
6				0.86			
7				0.87			
8				0.72			
9				0.77			
10				0.76			
11				0.80			
12				0.73			
13				0.70			
14				0.74			
15				0.86			
16				0.88			
17				0.78			
18				0.67			
19				0.67			
20				0.78			
21				0.79			
22				0.70			
23				0.73			
24				0.87			
25				0.77			
26				0.77			
27				0.77			
28				0.81			
29				0.87			
30				0.77			
31				0.83			
32				0.73			
33				0.69			
34				0.88			
35				0.81			

93 26-10
3,240'-3,260'

File Name: 93026010
Channel Name: Alaska
Description: 93 26-10 Alaska N.Slope Texaco W.Karupa #1 3,240- 260'
Comment 1: Abundant organics, but very diverse. Some obviously
Comment 2: recycled mat'l, but additional higher rank OM
Comment 3: that looks indigenous. Intermediate rank OM is most
Comment 4: common, but is probably cavings material.
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.73			
Max:	1.04			
Mean:	0.83			
StDev:	0.09			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.82			
2				0.81			
3				0.90			
4				0.77			
5				0.73			
6				0.82			
7				0.82			
8				0.78			
9				0.74			
10				0.94			
11				0.74			
12				0.78			
13				0.80			
14				0.86			
15				1.04			
16				0.78			
17				0.75			
18				0.84			
19				0.95			
20				1.01			
21				0.80			
22				0.98			
23				0.74			
24				0.73			
25				0.83			

File Name: 93026011
Channel Name: Alaska
Description: 93 26-11 Alaska [illegible] Texaco W.Karuda #1 3,490- 510'
Comment 1: [illegible] OK, but it all looks like more of the same as
Comment 2: above. The material is too consistent with previous
Comment 3: samples to NOT be cavings. Higher Rm mat'l measured.
Comment 4: A long search for this mat'l, so fewer readings.
Comment 5:
Comment 6:

93 26-11
3,490'-3,510'

	Meas1	Meas2	Ratio	Conc.
Min:	0.76			
Max:	1.06			
Mean:	0.88			
StDev:	0.10			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.76			
2				0.95			
3				0.81			
4				0.89			
5				0.76			
6				0.92			
7				0.89			
8				0.98			
9				0.80			
10				0.77			
11				0.86			
12				1.04			
13				0.80			
14				1.06			
15				0.97			

File Name: 93026013
Channel Name: Alaska
Description: 93 26-13 Alaska N.Slope Texaco W.Karupa #1 3,980- 4,010'
Comment 1: Abundant OM, but it all looks like more of the same as
Comment 2: above. The material is too consistent with previous
Comment 3: samples to NOT be cavings. Higher Rm mat'l measured.
Comment 4: A long search for this mat'l, so fewer readings.
Comment 5: Solid bitumen is present in large size pieces.
Comment 6:

93 26-13
3,980'-4,010'

	Meas1	Meas2	Ratio	Conc.
Min:	0.89			
Max:	1.20			
Mean:	1.07			
StDev:	0.10			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.90			
2				0.89			
3				0.93			
4				1.11			
5				1.16			
6				1.11			
7				1.15			
8				1.20			
9				1.00			
10				1.07			
11				1.07			
12				1.05			
13				1.16			
14				1.20			
15				1.03			
16				1.17			

File Name: 93026015
Channel Name: Alaska
Description: 93 26-15 Alaska N.Slope Texaco W.Karupa #1 4,490- 4,520'
Comment 1: Abundant diverse maturity OM. Plenty of mat'l with Rm
Comment 2: values the same as for more shallow samples. Higher Rm
Comment 3: pieces measured.
Comment 4:
Comment 5: Solid bitumen is present in large size pieces.
Comment 6:

93 26-15
4,490'-4,520'

	Meas1	Meas2	Ratio	Conc.
Min:	0.83			
Max:	1.12			
Mean:	0.96			
StDev:	0.10			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.99			
2				0.92			
3				0.83			
4				0.87			
5				0.86			
6				1.12			
7				1.05			
8				0.92			
9				0.88			
10				0.93			
11				1.05			
12				1.02			
13				1.09			
14				1.02			
15				0.99			
16				0.90			
17				0.85			
18				0.84			
19				1.10			
20				1.06			
21				0.86			

File Name: 93026017
Channel Name: Alaska
Description: 93 26-17 Alaska N.Slope Texaco W.Karupa #1 4,990-5,020'
Comment 1: Abundant diverse maturity OM. Plenty of mat'l with Rm
Comment 2: values the same as for more shallow samples. Higher Rm
Comment 3: pieces measured as being the indigenous OM population.
Comment 4:
Comment 5:
Comment 6:

93 26-17
4,990'-5,020'

	Meas1	Meas2	Ratio	Conc.
Min:	0.93			
Max:	1.16			
Mean:	1.03			
StDev:	0.07			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				1.00			
2				1.03			
3				1.16			
4				1.14			
5				0.96			
6				0.99			
7				0.97			
8				0.93			
9				1.08			
10				0.95			
11				1.06			
12				1.02			
13				1.06			
14				1.01			
15				0.98			
16				1.04			
17				0.93			
18				1.14			
19				0.99			
20				1.05			
21				0.99			
22				1.04			
23				1.16			

File Name: 93026019
Channel Name: Alaska
Description: 93 26-19 Texaco W.Karupa #1 Alaska NSlope 5,490- 510 cut
Comment 1: Abundant OM, but quite diverse. Much low rank material,
Comment 2: apparently cavings- material too much like that from
Comment 3: above. Some high rank recycled OM, also. Indigenous
Comment 4: mat'l less common, requiring a long search. Some soild
Comment 5: bitumen, in addition.
Comment 6:

93 26-19
5,490-5,510'

	Meas1	Meas2	Ratio	Conc.
Min:	0.95			
Max:	1.27			
Mean:	1.09			
StDev:	0.09			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				1.11			
2				0.99			
3				0.98			
4				1.09			
5				1.10			
6				0.95			
7				1.00			
8				1.01			
9				1.05			
10				1.27			
11				1.21			
12				1.08			
13				1.13			
14				1.12			
15				1.14			
16				1.20			
17				1.18			
18				1.12			
19				1.08			
20				0.97			
21				1.04			

File Name: 93026021
Channel Name: Alaska
Description: 93 26-21 Texaco W.Karupa #1 Alaska NSlope 5,980-6,010 cut
Comment 1: Abundant OM, but quite diverse. Much low rank material,
Comment 2: apparently cavings- material too much like that from
Comment 3: above. Some high rank recycled OM, also. Indigenous
Comment 4: mat'l less common, requiring a long search. Some soild
Comment 5: bitumen.
Comment 6:

93 26-21
5,980'-6,010'

	Meas1	Meas2	Ratio	Conc.
Min:	0.98			
Max:	1.41			
Mean:	1.21			
StDev:	0.12			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				1.02			
2				1.19			
3				0.98			
4				1.07			
5				1.14			
6				1.30			
7				1.27			
8				1.31			
9				1.20			
10				1.12			
11				1.18			
12				1.37			
13				1.27			
14				1.21			
15				1.08			
16				1.07			
17				1.16			
18				1.03			
19				1.30			
20				1.27			
21				1.37			
22				1.41			
23				1.19			
24				1.18			
25				1.15			
26				1.41			
27				1.12			
28				1.23			
29				1.13			
30				1.22			
31				1.41			

File Name: 93026023
Channel Name: Alaska
Description: 93 26-23 Texaco W.Karupa #1 Alaska NSlope 6,500- 530
Comment 1: Abundant OM, but quite diverse. Much low rank material,
Comment 2: apparently cavings- material too much like that from
Comment 3: above. Abundant high rank recycled OM, also. Indigenous
Comment 4: mat'l sparse requiring a long search. No bitumen
Comment 5: observed.
Comment 6:

93 26-23
6,500'-6,530'

	Meas1	Meas2	Ratio	Conc.
Min:	1.08			
Max:	1.47			
Mean:	1.21			
StDev:	0.09			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				1.15			
2				1.30			
3				1.18			
4				1.19			
5				1.08			
6				1.19			
7				1.11			
8				1.17			
9				1.47			
10				1.15			
11				1.10			
12				1.21			
13				1.27			
14				1.28			
15				1.16			
16							
17				1.19			
18				1.25			
19				1.16			
20				1.23			
21				1.28			
22				1.23			

File Name: 93026025
Channel Name: Alaska
Description: 93 26-25 Texaco W.Karupa #1 Alaska NSlope 6,980-7,010 cut
Comment 1: Abundant OM, but quite diverse. Much low rank material,
Comment 2: apparently cavings- material too much like that from
Comment 3: above. Some high rank recycled OM, also. Indigenous
Comment 4: mat'l less common, requiring a long search. No bitumen
Comment 5: observed.
Comment 6:

93 26-25
6,980'-7,010'

	Meas1	Meas2	Ratio	Conc.
Min:	1.15			
Max:	1.43			
Mean:	1.27			
StDev:	0.08			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				1.17			
2				1.28			
3				1.22			
4				1.20			
5				1.40			
6				1.26			
7				1.43			
8				1.29			
9				1.27			
10				1.23			
11				1.19			
12				1.33			
13				1.21			
14				1.20			
15				1.29			
16				1.31			
17				1.30			
18				1.42			
19				1.24			
20				1.38			
21				1.17			
22				1.33			
23				1.21			
24				1.38			
25				1.26			
26				1.21			
27				1.21			
28				1.40			
29				1.16			
30				1.15			
31				1.28			
32				1.25			
33				1.42			

File Name: 93026027
Channel Name: Alaska
Description: 93 26-27 Texaco W.Karupa #1 Alaska NSlope 7,380-7,410 cut
Comment 1: Abundant OM, but quite diverse. Much low rank material,
Comment 2: apparently cavings- material too much like that from
Comment 3: above. Some high rank recycled OM, also. Indigenous
Comment 4: mat'l less common, requiring a long search. No bitumen
Comment 5: observed.
Comment 6:

93 26-27
7,380'-7,410'

	Meas1	Meas2	Ratio	Conc.
Min:	1.21			
Max:	1.50			
Mean:	1.38			
StDev:	0.08			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				1.49			
2				1.42			
3				1.37			
4				1.48			
5				1.44			
6				1.38			
7				1.26			
8				1.46			
9				1.41			
10				1.48			
11				1.46			
12				1.31			
13				1.45			
14				1.34			
15				1.46			
16				1.39			
17				1.30			
18				1.43			
19				1.29			
20				1.36			
21				1.34			
22				1.37			
23				1.26			
24				1.23			
25				1.38			
26				1.50			
27				1.21			
28				1.44			
29				1.40			

File Name: 93026029
Channel Name: Alaska
Description: 93 26-29 Texaco W.Karupa #1 Alaska NSlope 7,990-8,020 cut
Comment 1: Abundant OM, but quite diverse. Much low rank material,
Comment 2: apparently cavings- material too much like that from
Comment 3: above. Some high rank recycled OM, also. Indigenous
Comment 4: mat'l less common, requiring a long search. No bitumen
Comment 5: observed.
Comment 6:

93 26-29
7,990'-8,020'.

	Meas1	Meas2	Ratio	Conc.
Min:	1.22			
Max:	1.67			
Mean:	1.43			
StDev:	0.16			

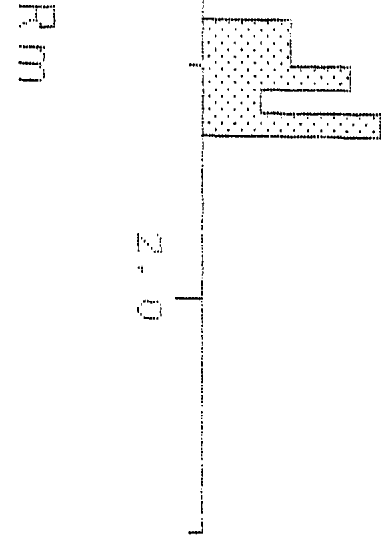
Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				1.23			
2				1.64			
3				1.35			
4				1.22			
5				1.52			
6				1.52			
7				1.62			
8				1.59			
9				1.29			
10				1.67			
11				1.52			
12				1.30			
13				1.32			
14				1.63			
15				1.35			
16				1.27			
17				1.36			

File Name: 93026031
Channel Name: Alaska
Description: 93 26-31 Texaco W.Karupa #1 Alaska NSlope 8,490-8,520' cut
Comment 1: Abundant OM, but quite diverse. Much low rank material,
Comment 2: apparently cavings- material too much like that from
Comment 3: above. Some high rank recycled OM, also. Indigenous
Comment 4: mat'l less common, requiring a long search. No bitumen
Comment 5: observed.
Comment 6:

93 26-31
8,490'-8,520'

	Meas1	Meas2	Ratio	Conc.
Min:	1.44	0		
Max:	1.64	0		
Mean:	1.52			
StDev:	0.07			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				1.61			
2				1.61			
3				1.52			
4				1.55			
5				1.57			
6				1.64			
7				1.51			
8				1.49			
9				1.52			
10				1.51			
11				1.53			
12				1.53			
13				1.52			
14				1.52			
15				1.56			
16				1.50			
17				1.50			
18				1.46			
19				1.44			
20				1.62			



File Name: 93026034
Channel Name: Alaska
Description: 93 26-34 Texaco W.Karupa #1 Alaska NSlope 9,490-9,520 cut
Comment 1: Abundant OM, but quite diverse. Much low rank material,
Comment 2: apparently cavings- material too much like that from
Comment 3: above. Some high rank recycled OM, also. Indigenous
Comment 4: mat'l rare, requiring a long search. No bitumen
Comment 5: observed.
Comment 6:

93 26-34
9,490'-9,520'

	Meas1	Meas2	Ratio	Conc.
Min:	1.47	0		
Max:	1.77	0		
Mean:	1.61			
StDev:	0.10			

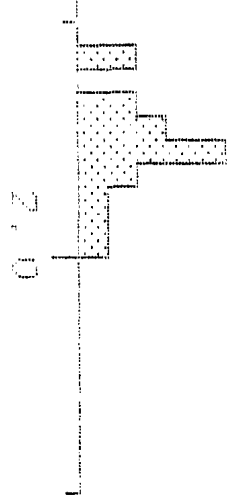
Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				1.66			
2				1.77			
3				1.52			
4				1.58			
5				1.55			
6				1.47			
7				1.61			
8				1.74			

File Name: 93026035
Channel Name: Alaska
Description: 93 26-35 Texaco W.Karupa #1 Alaska NSlope 9,990-10,010
Comment 1: Abundant OM, but quite diverse. Much low rank material,
Comment 2: apparently cavings+ material too much like that from
Comment 3: above. Some high rank recycled OM, also. Indigenous
Comment 4: mat'l rare, requiring a long search. No bitumen
Comment 5: observed.
Comment 6:

93 26-35
9,990'-10,010'

	Meas1	Meas2	Ratio	Conc.
Min:	[illegible]			
Max:	[illegible]			
Mean:	[illegible]			
StDev:	[illegible]			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				1.66			
2				1.76			
3				1.94			
4				1.57			
5				1.72			
6				1.77			
7				1.85			
8				1.74			
9				1.79			
10				1.75			
11				1.84			
12				1.77			
13				1.70			
14				1.80			
15				1.96			
16				1.70			
17				1.60			



File Name: 93026038
Channel Name: Alaska
Description: 93 26-38 Texaco W.Karupa #1 Alaska NSlope 10,740- 760
Comment 1: Abundant OM, but quite diverse. Much low rank material,
Comment 2: apparently cavings- material too much like that from
Comment 3: above. Some high rank recycled OM, also. Indigenous
Comment 4: mat'l rare, requiring a long search. No bitumen
Comment 5: observed.
Comment 6:

93 26-38
10,740'-10,760'

	Meas1	Meas2	Ratio	Conc.
Min:	1.73			
Max:	2.21			
Mean:	1.93			
StDev:	0.13			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				1.92			
2				1.73			
3				1.93			
4				2.03			
5				2.21			
6				1.81			
7				2.11			
8				1.98			
9				1.77			
10				1.80			
11				2.03			
12				1.97			
13				1.78			
14				1.95			
15				1.87			
16				1.92			

File Name: 93026039
Channel Name: Alaska
Description: Good sample. Organic material is common and fairly
Comment 1: consistent. A bit of higher rank recycled pieces and
Comment 2: some very low rank material, perhaps lignite additive.
Comment 3:
Comment 4:
Comment 5: Texaco W. Karupa #1 Alaska North slope
Comment 6: 11,028 – 60'

93 26-39
11,028'-11,060'

	Meas1	Meas2	Ratio	Conc.
Min:	1.78			
Max:	2.12			
Mean:	1.91			
StDev:	0.08			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				2.00			
2				1.92			
3				1.95			
4				1.95			
5				1.81			
6				1.80			
7				1.94			
8				2.03			
9				1.91			
10				1.92			
11				1.90			
12				1.85			
13				1.88			
14				1.90			
15				1.85			
16				1.84			
17				1.88			
18				1.86			
19				1.94			
20				2.04			
21				1.98			
22				2.04			
23				1.80			
24				1.96			
25				1.96			
26				1.79			
27				2.12			
28				1.79			
29				1.94			
30				1.78			
31				1.90			

File Name: 93026041
Channel Name: Alaska
Description: 93 26-41 ARCO Gyr #1 sec 32 T4N., R20E. 960- 1020
Comment 1: Cuttings sample. Abundant material- appears to be
Comment 2: lignite additive. Some pieces with oxidation rims on
Comment 3: them. Otherwise all low rank coal. Complex petrograph-
Comment 4: ically.
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.26			
Max:	0.41			
Mean:	0.34			
StDev:	0.04			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.38			
2				0.40			
3				0.38			
4				0.30			
5				0.36			
6				0.38			
7				0.32			
8				0.35			
9				0.37			
10				0.37			
11				0.35			
12				0.30			
13				0.26			
14				0.32			
15				0.33			
16				0.36			
17				0.30			
18				0.31			
19				0.32			
20				0.36			
21				0.30			
22				0.29			
23				0.40			
24				0.39			
25				0.35			
26				0.29			
27				0.35			
28				0.33			
29				0.37			
30				0.27			
31				0.41			

File Name: 93026042
Channel Name: Alaska
Description: 93 26-42 ARCO Gyr #1 sec 32 T4N., R20E. 1,470- 1,530
Comment 1: Cuttings sample. Abundant material- probably some
Comment 2: lignite additive; some pieces with oxidation rims.
Comment 3: Otherwise all low rank coal, and small dispersed organic
Comment 4: material.
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.34	0		
Max:	0.51	0		
Mean:	0.43			
StDev:	0.04			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.35			
2				0.38			
3				0.41			
4				0.40			
5				0.34			
6				0.43			
7				0.41			
8				0.47			
9				0.41			
10				0.51			
11				0.44			
12				0.44			
13				0.45			
14				0.45			
15				0.43			
16				0.46			
17				0.40			
18				0.46			
19				0.49			
20				0.37			
21				0.44			
22				0.50			
23				0.48			
24				0.40			
25				0.41			
26				0.42			
27				0.37			
28				0.43			
29				0.45			
30				0.47			
31				0.41			
32				0.47			
33				0.45			
34				0.41			
35				0.46			

File Name: 93026043
Channel Name: Alaska
Description: 93 26-43 ARCO Gyr #1 sec 32 T4N., R20E. 1,980- 2,040'
Comment 1: Cuttings sample. Abundant material- probably some
Comment 2: lignite additive; some pieces with oxidation rims.
Comment 3: Otherwise all low rank coal.
Comment 4:
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.37			
Max:	0.54			
Mean:	0.44			
StDev:	0.05			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.39			
2				0.49			
3				0.41			
4				0.48			
5				0.44			
6				0.37			
7				0.37			
8				0.49			
9				0.40			
10				0.49			
11				0.51			
12				0.40			
13				0.38			
14				0.38			
15				0.41			
16				0.46			
17				0.46			
18				0.41			
19				0.49			
20				0.52			
21				0.54			
22				0.43			
23				0.43			
24				0.42			
25				0.45			
26				0.45			
27				0.40			
28				0.39			
29				0.39			
30				0.48			
31				0.46			
32				0.48			
33				0.47			
34				0.37			
35				0.46			

File Name: 93026044
Channel Name: Alaska
Description: 93 26-44 ARCO Gyr #1 sec 32 T4N., R20E. 2,490- 2,550'
Comment 1: Cuttings sample. Abundant material- probably some
Comment 2: lignite additive; some pieces with oxidation rims.
Comment 3: MAterial mostly large pieces of additive-looking material
Comment 4: Oxidation rims are very common, and obvious indigenous
Comment 5: OM is not.
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.38			
Max:	0.62			
Mean:	0.48			
StDev:	0.07			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.47			
2				0.38			
3				0.39			
4				0.53			
5				0.45			
6				0.54			
7				0.54			
8				0.57			
9				0.49			
10				0.43			
11				0.42			
12				0.47			
13				0.44			
14				0.62			
15				0.43			

File Name: 93026045
Channel Name: Alaska
Description: 93 26-45 ARCO Gyr #1 sec 32 T4N., R20E. 2,990- 3,030'
Comment 1: Cuttings sample. Abundant material- I like this sample
Comment 2: much more so than shallower samples because of the abun-
Comment 3: dance of smaller pieces versus the very large pieces with
Comment 4: the oxidation rims. Suspect significantly less contamin-
Comment 5: ation from the additive material.
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.33			
Max:	0.48			
Mean:	0.40			
StDev:	0.03			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.39			
2				0.35			
3				0.38			
4				0.38			
5				0.43			
6				0.37			
7				0.45			
8				0.39			
9				0.42			
10				0.43			
11				0.43			
12				0.38			
13				0.39			
14				0.44			
15				0.39			
16				0.36			
17				0.43			
18				0.44			
19				0.40			
20				0.39			
21				0.42			
22				0.36			
23				0.46			
24				0.40			
25				0.41			
26				0.38			
27				0.43			
28				0.38			
29				0.37			
30				0.48			
31				0.43			
32				0.37			
33				0.37			
34				0.40			
35				0.40			
36				0.33			
37				0.40			
38				0.42			
39				0.42			
40				0.38			
41				0.43			

File Name: 93026046
Channel Name: Alaska
Description: 93 26-46 ARCO Gyr #1 sec 32 T4N., R20E. 3,480- 3,540'
Comment 1: Cuttings sample. Good sample. Abundant OM and quite
Comment 2: consistent. Few very large pieces with the oxidation
Comment 3: rims. Believe this to contain almost exclusively in-
Comment 4: digenous organics.
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.39			
Max:	0.52			
Mean:	0.44			
StDev:	0.04			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.48			
2				0.45			
3				0.42			
4				0.44			
5				0.42			
6				0.46			
7				0.39			
8				0.40			
9				0.48			
10				0.50			
11				0.41			
12				0.47			
13				0.42			
14				0.41			
15				0.40			
16				0.39			
17				0.39			
18				0.41			
19				0.41			
20				0.46			
21				0.47			
22				0.44			
23				0.43			
24				0.44			
25				0.46			
26				0.40			
27				0.43			
28				0.41			
29				0.45			
30				0.42			
31				0.42			
32				0.39			
33				0.50			
34				0.48			
35				0.52			
36				0.49			
37				0.50			
38				0.43			
39				0.52			
40				0.44			
41				0.46			

File Name: 93026047
Channel Name: Alaska
Description: 93 26-47 ARCO Gyr #1 sec 32 T4N., R20E. 3,960- 4,020'
Comment 1: Cuttings sample. Good sample. Abundant OM and quite
Comment 2: consistent. Few very large pieces with the oxidation
Comment 3: rims. Believe this to contain almost exclusively in-
Comment 4: digenous organics.
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.43	0		
Max:	0.60	0		
Mean:	0.51			
StDev:	0.04			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.50			
2				0.51			
3				0.47			
4				0.53			
5				0.50			
6				0.52			
7				0.58			
8				0.50			
9				0.59			
10				0.48			
11				0.50			
12				0.48			
13				0.51			
14				0.49			
15				0.60			
16				0.47			
17				0.53			
18				0.43			
19				0.53			
20				0.58			
21				0.49			
22				0.49			
23				0.49			
24				0.52			
25				0.49			
26				0.51			
27				0.47			
28				0.50			
29				0.49			
30				0.49			
31				0.49			
32				0.49			
33				0.51			
34				0.47			
35				0.53			

File Name: 93026048
Channel Name: Alaska
Description: 93 26-48 ARCO Gyr #1 sec 32 T4N., R20E. 4,470- 4,530'
Comment 1: Cuttings sample. Good sample. Abundant OM and quite
Comment 2: consistent. Few very large pieces with the oxidation
Comment 3: rims. Believe this to contain almost exclusively in-
Comment 4: digenous organics.
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.47	0		
Max:	0.62	0		
Mean:	0.53	0		
StDev:	0.04	0		

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.48			
2				0.55			
3				0.47			
4				0.53			
5				0.50			
6				0.50			
7				0.50			
8				0.57			
9				0.61			
10				0.59			
11				0.59			
12				0.60			
13				0.52			
14				0.49			
15				0.62			
16				0.58			
17				0.50			
18				0.51			
19				0.54			
20				0.58			
21				0.49			
22				0.55			
23				0.54			
24				0.58			
25				0.52			
26				0.53			
27				0.55			
28				0.52			
29				0.49			
30				0.49			
31				0.48			
32				0.49			
33				0.52			
34				0.52			
35				0.48			

File Name: 93026049
Channel Name: Alaska
Description: 93 26-49 ARCO Gyr #1 sec 32 T4N., R20E. 4,980- 5,020'
Comment 1: Cuttings sample. Good sample. Abundant OM and quite
Comment 2: consistent. Few very large pieces with the oxidation
Comment 3: rims. Believe this to contain almost exclusively in-
Comment 4: digenous organics.
Comment 5:
Comment 6:

Frequency

	Meas1	Meas2	Ratio	Conc.
Min:	0.53	0		
Max:	0.66	0		
Mean:	0.59			
StDev:	0.04			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.57			
2				0.58			
3				0.62			
4				0.63			
5				0.59			
6				0.60			
7				0.58			
8				0.61			
9				0.60			
10				0.57			
11				0.58			
12				0.54			
13				0.54			
14				0.65			
15				0.64			
16				0.59			
17				0.57			
18				0.57			
19				0.53			
20				0.65			
21				0.66			
22				0.61			
23				0.62			
24				0.55			
25				0.58			
26				0.62			
27				0.63			
28				0.54			
29				0.53			
30				0.57			
31				0.64			
32				0.63			
33				0.59			
34				0.64			
35				0.55			

File Name: 93026050
Channel Name: Alaska
Description: 93 26-50 ARCO Gyr #1 sec 32 T4N., R20E. 5,465' **CORE**
Comment 1: CORE sample. Contains diverse group of organic. Reflec-
Comment 2: tance ranges from about .45 up 1.0+ percent. Lower Rm
Comment 3: pieces measured. Much material obviously recycled. Good
Comment 4: large and medium sized pieces of structured coaly partic-
Comment 5: icles.
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.42	0.00		
Max:	0.58	2.00		
Mean:	0.50			
StDev:	0.04			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.48			
2				0.44			
3				0.45			
4				0.54			
5				0.48			
6				0.55			
7				0.51			
8				0.49			
9				0.49			
10				0.49			
11				0.45			
12				0.45			
13				0.47			
14				0.50			
15				0.53			
16				0.53			
17				0.55			
18				0.46			
19				0.51			
20				0.58			
21				0.49			
22				0.53			
23				0.43			
24				0.56			
25				0.45			
26				0.42			
27				0.52			
28				0.49			
29				0.47			
30				0.50			
31				0.54			
32				0.57			
33				0.48			
34				0.45			
35				0.53			
36				0.54			
37				0.48			
38				0.48			
39				0.58			
40				0.55			
41				0.48			

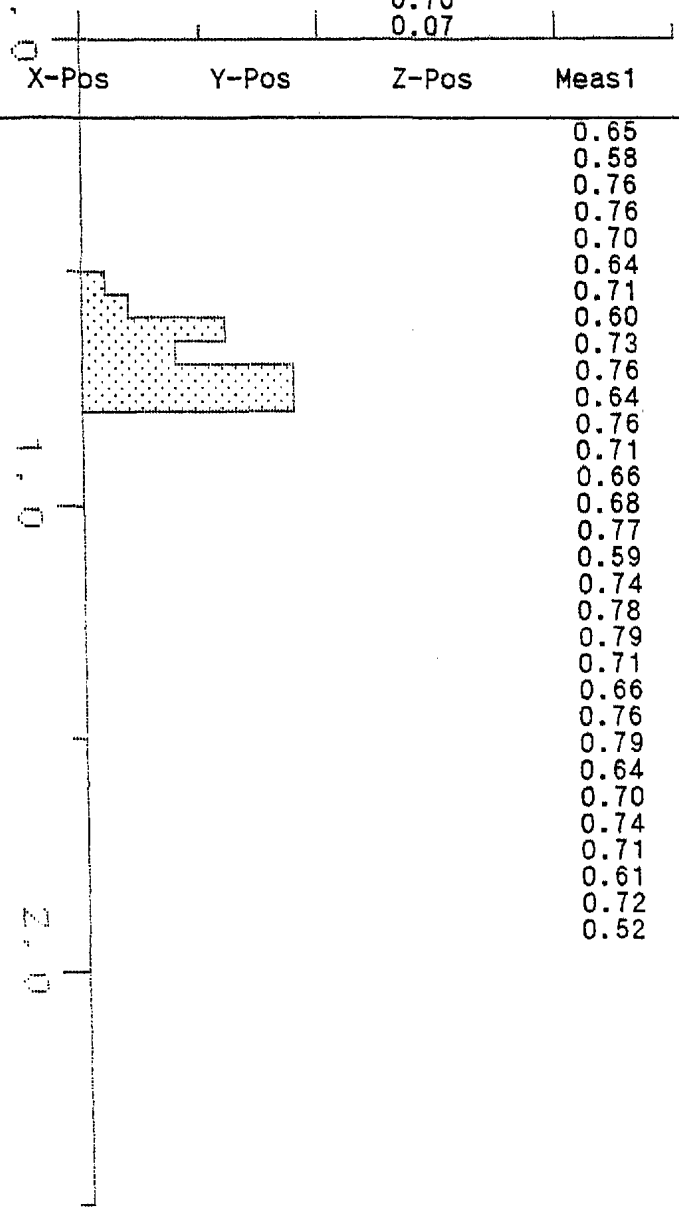
File Name: 93026051
Channel Name: Alaska
Description: 93 26-51 ARCO Gyr #1 sec 32 T4N., R20E. 5,990- 6,010
Comment 1: Cuttings. Quite consistent sample. Essentially a coal.
Comment 2: Abundant type III organics, small to very large pieces.
Comment 3: Some variations in reflectance due to inhomogeneities in
Comment 4: the organic material. Good sample.
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.54			
Max:	0.68			
Mean:	0.60			
StDev:	0.04			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.63			
2				0.58			
3				0.57			
4				0.58			
5				0.58			
6				0.63			
7				0.68			
8				0.55			
9				0.54			
10				0.63			
11				0.63			
12				0.57			
13				0.59			
14				0.67			
15				0.62			
16				0.57			
17				0.59			
18				0.67			
19				0.59			
20				0.57			
21				0.60			
22				0.65			
23				0.54			
24				0.56			
25				0.58			
26				0.59			
27				0.59			
28				0.64			
29				0.56			
30				0.66			
31				0.59			

File Name: 93026052
Channel Name: Alaska
Description: 93 26-52 ARCO Gyr #1 sec 32 T4N., R20E. 6,480- 6,500'
Comment 1: Cuttings. A bit heterogeneous. Essentially a coal
Comment 2: Abundant type III organics, small to very large pieces.
Comment 3: A diversity of OM, even with some larger pieces with
Comment 4: oxidation rims, suggesting additive. Lower rank very
Comment 5: large pieces suggest cavings, but may be more indicative
Comment 6: of the true maturation- not as abundant as higher Rm OM.

	Meas1	Meas2	Ratio	Conc.
Min:	0.52			
Max:	0.79			
Mean:	0.70			
StDev:	0.07			



Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.65			
2				0.58			
3				0.76			
4				0.76			
5				0.70			
6				0.64			
7				0.71			
8				0.60			
9				0.73			
10				0.76			
11				0.64			
12				0.76			
13				0.71			
14				0.66			
15				0.68			
16				0.77			
17				0.59			
18				0.74			
19				0.78			
20				0.79			
21				0.71			
22				0.66			
23				0.76			
24				0.79			
25				0.64			
26				0.70			
27				0.74			
28				0.71			
29				0.61			
30				0.72			
31				0.52			

File Name: 93026054
Channel Name: Alaska
Description: 93 26-54 ARCO Gyr #1 sec 32 T4N., R20E. 6,980- 7,010'
Comment 1: Cuttings. Essentially a coal. Good sample. Consistent.
Comment 2: Abundant type III organics, small to very large pieces.
Comment 3:
Comment 4:
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.59			
Max:	0.73			
Mean:	0.65			
StDev:	0.04			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.63			
2				0.60			
3				0.67			
4				0.63			
5				0.60			
6				0.64			
7				0.66			
8				0.63			
9				0.63			
10				0.59			
11				0.65			
12				0.62			
13				0.67			
14				0.72			
15				0.71			
16				0.65			
17				0.64			
18				0.64			
19				0.64			
20				0.64			
21				0.67			
22				0.70			
23				0.63			
24				0.67			
25				0.73			
26				0.61			
27				0.59			
28				0.62			
29				0.63			
30				0.68			
31				0.63			

File Name: 93026055
Channel Name: Alaska
Description: 93 26-55 ARCO Gyr #1 sec 32 T4N., R20E. 7,750- 7,770'
Comment 1: Cuttings. Essentially a coal. Good sample, very diverse
Comment 2: Abundant type III organics, small to very large pieces.
Comment 3: OM is diverse, but very much like successive samples from
Comment 4: this borehole. Suspect serious cavings.
Comment 5:
Comment 6:

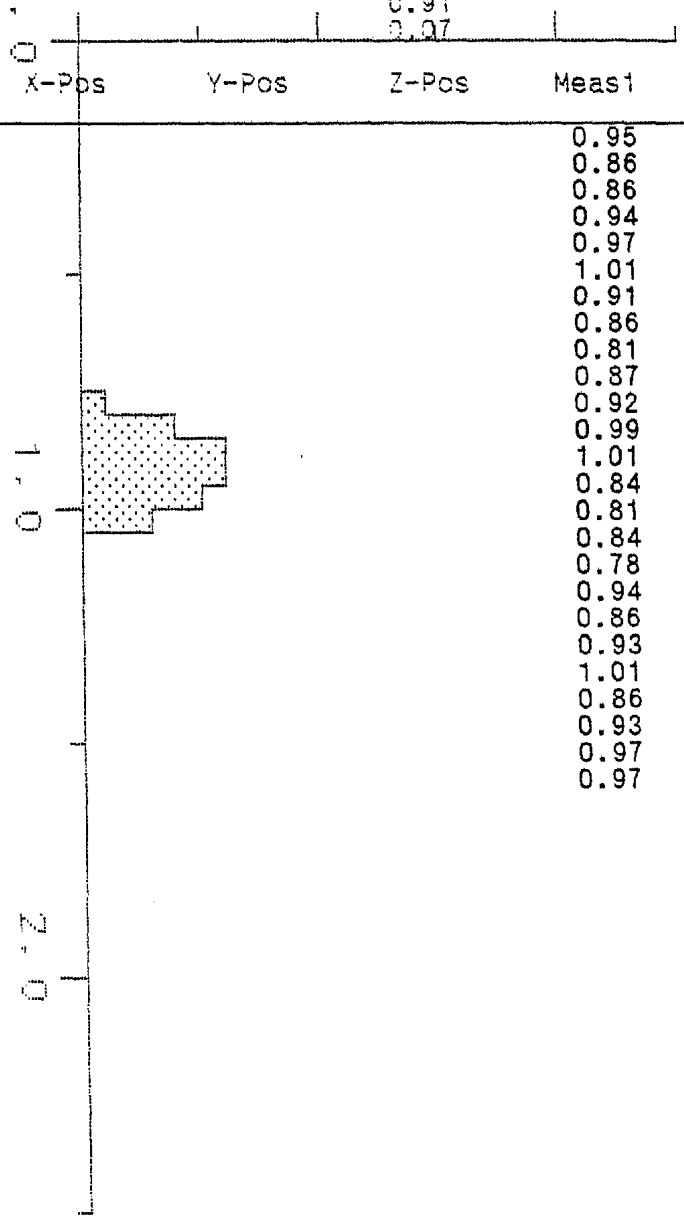
	Meas1	Meas2	Ratio	Conc.
Min:	0.54			
Max:	0.81			
Mean:	0.65			
StDev:	0.07			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.63			
2				0.62			
3				0.72			
4				0.62			
5				0.58			
6				0.56			
7				0.58			
8				0.54			
9				0.65			
10				0.69			
11				0.72			
12				0.61			
13				0.77			
14				0.58			
15				0.70			
16				0.81			
17				0.63			
18				0.62			
19				0.62			
20				0.65			
21				0.62			

File Name: 93026057
Channel Name: Alaska
Description: 93 26-57 ARCO Gvr #1 sec 32 T4N., R20E. 7,960- 7,990'
Comment 1: Cuttings. Essentially a coal. Good sample.
Comment 2: Abundant type III organics, small to very large pieces.
Comment 3: OM is diverse, but with much more higher rank OM. This
Comment 4: sample is significantly different than previous ones in
Comment 5: that there is the OM at about 0.9+ reflectance. Earlier
Comment 6: samples are all too much alike to really stand out.

	Meas1	Meas2	Ratio	Conc.
Min:	0.78			
Max:	1.01			
Mean:	0.91			
StDev:	0.07			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.95			
2				0.86			
3				0.86			
4				0.94			
5				0.97			
6				1.01			
7				0.91			
8				0.86			
9				0.81			
10				0.87			
11				0.92			
12				0.99			
13				1.01			
14				0.84			
15				0.81			
16				0.84			
17				0.78			
18				0.94			
19				0.86			
20				0.93			
21				1.01			
22				0.86			
23				0.93			
24				0.97			
25				0.97			



File Name: 93026058
Channel Name: Alaska
Description: 93 26-58 #1 Karluk, North Slope. cuttings 1,480- 1,540
Comment 1: Two distinct populations of coaly particles in this
Comment 2: sample. Lowest reflectance material measured.
Comment 3:
Comment 4:
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.31			
Max:	0.52			
Mean:	0.43			
StDev:	0.05			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.45			
2				0.48			
3				0.48			
4				0.50			
5				0.52			
6				0.40			
7				0.44			
8				0.45			
9				0.38			
10				0.39			
11				0.41			
12				0.37			
13				0.43			
14				0.44			
15				0.36			
16				0.32			
17				0.41			
18				0.43			
19				0.47			
20				0.40			
21				0.31			
22				0.46			
23				0.51			
24				0.35			
25				0.50			
26				0.42			
27				0.50			
28				0.47			
29				0.43			
30				0.40			
31				0.41			

File Name: 93026059
Channel Name: Alaska
Description: 93 26-59 #1 Karluk, North Slope. cuttings 1,990- 2,050'
Comment 1: Two distinct populations of coaly particles in this
Comment 2: sample.
Comment 3:
Comment 4:
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.41			
Max:	0.66			
Mean:	0.52			
StDev:	0.07			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.48			
2				0.42			
3				0.50			
4				0.53			
5				0.46			
6				0.58			
7				0.52			
8				0.47			
9				0.52			
10				0.58			
11				0.51			
12				0.41			
13				0.47			
14				0.46			
15				0.55			
16				0.45			
17				0.54			
18				0.50			
19				0.66			
20				0.54			
21				0.65			
22				0.48			
23				0.46			
24				0.46			
25				0.59			
26				0.62			
27				0.44			
28				0.51			
29				0.53			
30				0.50			
31				0.55			
32				0.60			
33				0.65			
34				0.57			
35				0.51			
36				0.53			
37				0.43			

File Name: 93026060
Channel Name: Alaska
Description: 93 26-60 #1 Karluk, North Slope. cuttings 2,970- 3,030'
Comment 1: Two distinct populations of coaly particles in this
Comment 2: sample. Higher reflectance population measured, as lower
Comment 3: Rm particles considered cavings.
Comment 4:
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.46			
Max:	0.66			
Mean:	0.56			
StDev:	0.05			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.62			
2				0.51			
3				0.57			
4				0.65			
5				0.49			
6				0.55			
7				0.62			
8				0.47			
9				0.52			
10				0.60			
11				0.53			
12				0.61			
13				0.56			
14				0.57			
15				0.61			
16				0.56			
17				0.56			
18				0.53			
19				0.55			
20				0.60			
21				0.64			
22				0.53			
23				0.52			
24				0.58			
25				0.53			
26				0.60			
27				0.48			
28				0.61			
29				0.66			
30				0.65			
31				0.55			
32				0.52			
33				0.56			
34				0.46			
35				0.47			

File Name: 93026061
Channel Name: Alaska
Description: 93 26-61 #1 Karluk, North Slope. cuttings 3,480- 3,540'
Comment 1: Two distinct populations of coaly particles in this
Comment 2: sample. Higher reflectance population measured, as lower
Comment 3: Rm particles considered cavings.
Comment 4:
Comment 5:
Comment 6:

Frequency

	Meas1	Meas2	Ratio	Conc.
Min:	0.50			
Max:	0.71			
Mean:	0.59			
StDev:	0.06			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.57			
2				0.71			
3				0.69			
4				0.60			
5				0.52			
6				0.53			
7				0.53			
8				0.55			
9				0.56			
10				0.65			
11				0.64			
12				0.63			
13				0.53			
14				0.64			
15				0.66			
16				0.53			
17				0.50			
18				0.65			
19				0.50			
20				0.58			
21				0.61			
22				0.60			
23				0.58			
24				0.65			
25				0.54			
26				0.60			
27				0.61			
28				0.54			
29				0.55			
30				0.71			
31				0.53			

File Name: 93026062
Channel Name: Alaska
Description: 93 26-62 #1 Karluk, North Slope. cuttings 3,990- 4,050'
Comment 1: Two distinct populations of coaly particles in this
Comment 2: sample. Higher reflectance population measured, as lower
Comment 3: Rm particles considered cavings.
Comment 4:
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.45			
Max:	0.56			
Mean:	0.50			
StDev:	0.03			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.54			
2				0.47			
3				0.50			
4				0.49			
5				0.45			
6				0.50			
7				0.46			
8				0.50			
9				0.50			
10				0.49			
11				0.56			
12				0.51			
13				0.47			
14				0.50			
15				0.51			
16				0.46			
17				0.45			
18				0.51			
19				0.51			
20				0.51			
21				0.51			
22				0.50			
23				0.50			
24				0.51			
25				0.45			
26				0.53			
27				0.45			
28				0.51			
29				0.50			
30				0.50			
31				0.54			
32				0.51			
33				0.46			
34				0.51			
35				0.49			

File Name: 93026063
Channel Name: Alaska
Description: 93 26-63 #1 Karluk, North Slope. cuttings 4,470- 4,530'
Comment 1: Two distinct populations of coaly particles in this
Comment 2: sample. Higher reflectance population measured, as lower
Comment 3: Rm particles considered cavings. This slide was more
Comment 4: difficult to read due to the overabundance of lower Rm
Comment 5: mat'l. Probably a 10 - 1 ratio low to higher.
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.45			
Max:	0.66			
Mean:	0.57			
StDev:	0.06			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.63			
2				0.57			
3				0.45			
4				0.53			
5				0.57			
6				0.60			
7				0.65			
8				0.53			
9				0.54			
10				0.63			
11				0.65			
12				0.55			
13				0.55			
14				0.54			
15				0.49			
16				0.66			
17				0.57			
18				0.59			
19				0.60			
20				0.65			
21				0.53			

File Name: 93026064
Channel Name: Alaska
Description: 93 26-64 #1 Kariuk, North Slope. cuttings 4,980- 5,040'
Comment 1: This sample has one dominant population- the lower Rm one
Comment 2: Begining to suspect higher Rm mat'l NOT indigeneous.
Comment 3: Unfamiliarity with section adds to uncertainty. Quite
Comment 4: possible in this young section that there is little mat-
Comment 5: uration to be expected.
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.40			
Max:	0.62			
Mean:	0.52			
StDev:	0.07			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.62			
2				0.57			
3				0.58			
4				0.57			
5				0.53			
6				0.59			
7				0.57			
8				0.52			
9				0.50			
10				0.41			
11				0.42			
12				0.40			
13				0.59			
14				0.41			
15				0.57			
16				0.57			
17				0.48			

File Name: 93026065
Channel Name: Alaska
Description: 93 26-65 #1 Kariuk, North Slope. cuttings 5,490- 5,550'
Comment 1: This sample has one dominant population- the lower Rm one
Comment 2: Begining to suspect higher Rm mat'l NOT indigeneous.
Comment 3:
Comment 4:
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.39			
Max:	0.60			
Mean:	0.49			
StDev:	0.06			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.41			
2				0.43			
3				0.44			
4				0.43			
5				0.41			
6				0.48			
7				0.42			
8				0.52			
9				0.46			
10				0.46			
11				0.41			
12				0.42			
13				0.50			
14				0.55			
15				0.46			
16				0.54			
17				0.50			
18				0.54			
19				0.39			
20				0.53			
21				0.46			
22				0.55			
23				0.46			
24				0.53			
25				0.47			
26				0.60			
27				0.56			
28				0.56			
29				0.54			
30				0.53			
31				0.55			

File Name: 93026066
Channel Name: Alaska
Description: 93 26-66 #1 Karluk, North Slope. cuttings 5,970- 6,030
Comment 1: OM is common, all low rank material- quite consistent.
Comment 2: This sample different in that all the OM is small in
Comment 3: size as from shales versus the much larger pieces from
Comment 4: more shallow samples which were particles from broken-up
Comment 5: coals.
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.38			
Max:	0.51			
Mean:	0.43			
StDev:	0.03			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.40			
2				0.47			
3				0.39			
4				0.40			
5				0.43			
6				0.51			
7				0.43			
8				0.41			
9				0.43			
10				0.41			
11				0.48			
12				0.41			
13				0.38			
14				0.42			
15				0.46			
16				0.42			
17				0.43			
18				0.44			
19				0.45			
20				0.38			
21				0.41			

File Name: 93026067
Channel Name: Alaska
Description: 93 26-67 #1 Karluk, North Slope. cuttings 6,990- 7,050'
Comment 1: OM is common, all low rank material- quite consistent.
Comment 2: OM is abundant and consistent in size and color. OM is
Comment 3: entirely smaller particles apparently concentrated from
Comment 4: shales rather then from larger coal pieces.
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.38			
Max:	0.50			
Mean:	0.44			
StDev:	0.03			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.39			
2				0.40			
3				0.44			
4				0.48			
5				0.43			
6				0.47			
7				0.41			
8				0.47			
9				0.47			
10				0.47			
11				0.45			
12				0.43			
13				0.42			
14				0.43			
15				0.50			
16				0.40			
17				0.46			
18				0.43			
19				0.38			
20				0.40			
21				0.46			
22				0.47			
23				0.45			
24				0.45			
25				0.47			
26				0.42			
27				0.41			
28				0.40			
29				0.45			
30				0.46			
31				0.42			
32				0.44			
33				0.42			
34				0.47			
35				0.45			
36				0.45			
37				0.44			
38				0.44			
39				0.39			
40				0.39			
41				0.41			

File Name: 93026068
Channel Name: Alaska
Description: 93 26-68 #1 Kariuk, North Slope. cuttings 7,800-7,860'
Comment 1: OM is common, all low rank material- quite consistent.
Comment 2: OM is abundant and consistent in size and color. OM is
Comment 3: entirely smaller particles apparently concentrated from
Comment 4: shales rather then from larger coal pieces.
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.37			
Max:	0.48			
Mean:	0.43			
StDev:	0.03			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.45			
2				0.41			
3				0.39			
4				0.42			
5				0.42			
6				0.47			
7				0.45			
8				0.43			
9				0.37			
10				0.37			
11				0.48			
12				0.45			
13				0.43			
14				0.41			
15				0.42			
16				0.42			
17				0.48			
18				0.47			
19				0.44			
20				0.43			
21				0.45			
22				0.46			
23				0.43			
24				0.39			
25				0.40			
26				0.47			
27				0.44			
28				0.40			
29				0.38			
30				0.44			
31				0.44			

File Name: 93026069
Channel Name: Alaska
Description: 93 26-69 #1 Karluk, North Slope. cuttings 8,190- 8,250
Comment 1: OM is abundant, mostly low rank material-fairly consisten
Comment 2: OM is consistent in size and color. OM made up of small
Comment 3: and larger particles. Enough higher rank OM to force
Comment 4: consideration that it may be the indigenous population.
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.45			
Max:	0.66			
Mean:	0.56			
StDev:	0.04			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.54			
2				0.53			
3				0.58			
4				0.56			
5				0.56			
6				0.57			
7				0.58			
8				0.56			
9				0.54			
10				0.53			
11				0.52			
12				0.59			
13				0.45			
14				0.51			
15				0.54			
16				0.54			
17				0.53			
18				0.51			
19				0.53			
20				0.58			
21				0.59			
22				0.56			
23				0.57			
24				0.64			
25				0.57			
26				0.56			
27				0.60			
28				0.60			
29				0.55			
30				0.61			
31				0.52			
32				0.55			
33				0.54			
34				0.52			
35				0.54			
36				0.54			
37				0.66			

File Name: 93026070
Channel Name: Alaska
Description: 93 26-70 #1 Karluk, North Slope cuttings 8,730- 8,790'
Comment 1: OM is common, but inconsistent, with some contributions
Comment 2: from recycled OM. Low rank material is indigenous; some
Comment 3: higher Rm particles stronglt suspected cavings.
Comment 4:
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	-0.50			
Max:	-0.61			
Mean:	0.54			
StDev:	0.03			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.52			
2				0.54			
3				0.51			
4				0.54			
5				0.61			
6				0.55			
7				0.53			
8				0.51			
9				0.55			
10				0.50			
11				0.59			
12				0.51			
13				0.54			
14				0.53			
15				0.59			

File Name: 93026071
Channel Name: Alaska
Description: 93 26-71 #1 Karluk, North Slope cuttings 9,240- 9,300
Comment 1: OM is common, but there is a wide selection of maturities
Comment 2: Difficult to make a selection without biasing the sample.
Comment 3: Apparent cavings and recycled material present.
Comment 4:
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.44			
Max:	0.62			
Mean:	0.53			
StDev:	0.05			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.44			
2				0.49			
3				0.52			
4				0.49			
5				0.58			
6				0.57			
7				0.52			
8				0.54			
9				0.57			
10				0.48			
11				0.62			

File Name: 93026072
Channel Name: Alaska
Description: 93 26-72 #1 Karluk, North Slope cuttings 9,750- 9,810'
Comment 1: OM is abundant, but a wide range of maturities present.
Comment 2: Difficult to make a selection without biasing the sample.
Comment 3: Apparent cavings and recycled material common. Same OM
Comment 4: is persisting throughout the borehole profile.
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.63			
Max:	0.79			
Mean:	0.72			
StDev:	0.05			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.65			
2				0.71			
3				0.65			
4				0.76			
5				0.76			
6				0.69			
7				0.69			
8				0.78			
9				0.75			
10				0.75			
11				0.72			
12				0.79			
13				0.73			
14				0.75			
15				0.77			
16				0.63			
17				0.66			
18				0.75			
19				0.78			
20				0.70			
21				0.66			
22				0.70			
23				0.74			
24				0.66			
25				0.70			
26				0.70			
27				0.77			
28				0.66			
29				0.74			
30				0.74			
31				0.76			

File Name: 93026073
Channel Name: Alaska
Description: 93 26-73 #1 Karluk, North Slope cuttings 10,110- 170'
Comment 1: OM is abundant, but a wide range of maturities present.
Comment 2: Difficult to make a selection without biasing the sample.
Comment 3: Apparent cavings and recycled material common. Same OM
Comment 4: is persisting throughout the borehole profile.
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.93			
Max:	1.26			
Mean:	1.14			
StDev:	0.08			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				1.24			
2				1.25			
3				1.22			
4				1.20			
5				1.07			
6				1.19			
7				1.25			
8				1.21			
9				1.11			
10				1.17			
11				1.19			
12				1.20			
13				1.12			
14				1.06			
15				1.07			
16				1.03			
17				1.16			
18				1.26			
19				0.93			
20				1.05			
21				1.08			
22				1.22			
23				1.11			
24				1.24			
25				1.11			
26				1.00			
27				1.07			
28				1.04			
29				1.15			
30				1.14			
31				1.04			
32				1.03			
33				1.21			
34				1.25			
35				1.19			
36				1.18			
37				1.17			

File Name: 93026074
Channel Name: Alaska
Description: 93 26-74 #1 Karluk, North Slope cuttings 10,740- 800'
Comment 1: Almost no Om present. Only several pieces- low rank; in
Comment 2: the range of .4 to .55 percent reflectance. No measure-
Comment 3: ments taken.
Comment 4:
Comment 5:
Comment 6:

Meas1	Meas2	Ratio	Conc.

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1							

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IMMM
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BP Exploration (Alaska) Inc. Kuparuk Uplands Ekvik-1

File Name: 93026076
Channel Name: Alaska
Description: 93 26-76 BP #1 Ekvik N. Slope cuttings 480- 540
Comment 1: OM is common, mostly very large pieces that have obvious
Comment 2: signs of weathering/oxidation. Smaller, dispersed part-
Comment 3: icles measured.
Comment 4:
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.30			
Max:	0.45			
Mean:	0.37			
StDev:	0.04			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.44			
2				0.33			
3				0.40			
4				0.34			
5				0.36			
6				0.36			
7				0.35			
8				0.43			
9				0.33			
10				0.39			
11				0.40			
12				0.30			
13				0.32			
14				0.36			
15				0.33			
16				0.34			
17				0.38			
18				0.35			
19				0.35			
20				0.39			
21				0.37			
22				0.31			
23				0.45			
24				0.41			
25				0.40			

File Name: 93026077
Channel Name: Alaska
Description: 93 26-77 BP #1 Ekvik N. Slope cuttings 990- 1,050'
Comment 1: OM is common, mostly very large pieces that have obvious
Comment 2: signs of weathering/oxidation. Smaller, dispersed part-
Comment 3: icles measured.
Comment 4:
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.35			
Max:	0.46			
Mean:	0.41			
StDev:	0.03			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.37			
2				0.35			
3				0.35			
4				0.39			
5				0.42			
6				0.42			
7				0.40			
8				0.44			
9				0.43			
10				0.41			
11				0.46			
12				0.43			
13				0.43			
14				0.42			
15				0.40			
16				0.42			
17				0.40			
18				0.41			
19				0.42			
20				0.40			
21				0.36			
22				0.37			
23				0.38			
24				0.40			
25				0.42			
26				0.46			
27				0.40			
28				0.41			
29				0.41			
30				0.40			
31				0.42			
32				0.45			
33				0.42			
34				0.42			
35				0.40			

File Name: 93026078
Channel Name: Alaska
Description: 93 26-78 BP #1 Ekvik N. Slope cuttings 1,470- 1,530
Comment 1: OM is common, mostly very large pieces that have obvious
Comment 2: signs of weathering/oxidation. Smaller, dispersed part-
Comment 3: icles measured. Little difference noted between three
Comment 4: slides measured to date.
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.32			
Max:	0.44			
Mean:	0.37			
StDev:	0.03			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.40			
2				0.40			
3				0.35			
4				0.36			
5				0.38			
6				0.32			
7				0.34			
8				0.35			
9				0.36			
10				0.44			
11				0.32			
12				0.36			
13				0.35			
14				0.44			
15				0.36			
16				0.34			
17				0.38			
18				0.35			
19				0.36			
20				0.37			
21				0.41			
22				0.35			
23				0.40			
24				0.40			
25				0.41			
26				0.42			
27				0.36			

File Name: 93026079
Channel Name: Alaska
Description: 93 26-79 BP #1 Ekvik N. Slope cuttings 1,980- 2,040'
Comment 1: OM is common, mostly very large pieces that have obvious
Comment 2: signs of weathering/oxidation. Smaller, dispersed part-
Comment 3: icles measured. Little difference noted between three
Comment 4: slides measured to date.
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.34			
Max:	0.50			
Mean:	0.43			
StDev:	0.05			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.46			
2				0.47			
3				0.34			
4				0.45			
5				0.50			
6				0.36			
7				0.38			
8				0.36			
9				0.39			
10				0.37			
11				0.43			
12				0.40			
13				0.48			
14				0.47			
15				0.49			
16				0.45			
17				0.44			
18				0.40			
19				0.37			
20				0.38			
21				0.45			
22				0.45			
23				0.44			
24				0.48			
25				0.48			
26				0.47			
27				0.42			

File Name: 93026080
Channel Name: Alaska
Description: 93 26-80 BP #1 Ekvik N. Slope cuttings 2,460- 2,520
Comment 1: OM is abundant and very consistent. Large and small
Comment 2: particles. Good structured material is common, also.
Comment 3:
Comment 4:
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.32			
Max:	0.46			
Mean:	0.39			
StDev:	0.03			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.42			
2				0.46			
3				0.41			
4				0.39			
5				0.39			
6				0.44			
7				0.34			
8				0.41			
9				0.38			
10				0.40			
11				0.40			
12				0.40			
13				0.41			
14				0.43			
15				0.34			
16				0.42			
17				0.37			
18				0.39			
19				0.41			
20				0.44			
21				0.41			
22				0.40			
23				0.40			
24				0.38			
25				0.35			
26				0.37			
27				0.39			
28				0.37			
29				0.38			
30				0.43			
31				0.41			
32				0.32			
33				0.39			
34				0.43			
35				0.41			
36				0.42			
37				0.37			
38				0.32			
39				0.37			
40				0.37			
41				0.39			

File Name: 93026082
Channel Name: Alaska
Description: 93 26-82 BP #1 Ekvik N. Slope cuttings 3,480- 3,540'
Comment 1: OM is scarce, composed mostly of very large pieces of
Comment 2: drilling additive or cavings. Only few particles certain
Comment 3: for measurement.
Comment 4:
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.45			
Max:	0.49			
Mean:	0.47			
StDev:	0.02			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.49			
2				0.48			
3				0.46			
4				0.45			
5				0.46			

File Name: 93026083
Channel Name: Alaska
Description: 93 26-83 BP #1 Ekvik N. Slope cuttings 3,990- 4,050'
Comment 1: OM is scarce, composed mostly of very large pieces of
Comment 2: drilling additive or cavings. Only few particles certain
Comment 3: for measurement. A more diverse sample with material from
Comment 4: two populations present. Pieces broken from apparent
Comment 5: drilling additive helped confuse the readings.
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.35			
Max:	0.58			
Mean:	0.49			
StDev:	0.06			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.48			
2				0.57			
3				0.52			
4				0.50			
5				0.50			
6				0.43			
7				0.48			
8				0.46			
9				0.35			
10				0.51			
11				0.52			
12				0.48			
13				0.54			
14				0.58			
15				0.50			

File Name: 93026084
Channel Name: Alaska
Description: 93 26-84 BP #1 Ekvik N. Slope cuttings 4,470- 4,530'
Comment 1: OM is common, but very diverse and replete with pieces
Comment 2: from drilling additive or cavings. Difficult to dis-
Comment 3: cern between indigenous material, if any. Not high
Comment 4: confidence in this sample.
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.40			
Max:	0.44			
Mean:	0.42			
StDev:	0.02			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.40			
2				0.41			
3				0.44			
4				0.42			

File Name: 93026085
Channel Name: Alaska
Description: 93 26-85 BP #1 Ekvik N. Slope cuttings 4,980- 5,040'
Comment 1: OM is abundant and widely diverse in maturity. Obvious
Comment 2: cavings, and some significantly higher reflectance
Comment 3: material than in previous samples. This high Rm mat'l
Comment 4: looks good, and is considered indigenous.
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.75			
Max:	1.11			
Mean:	0.95			
StDev:	0.11			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.80			
2				1.00			
3				1.03			
4				0.75			
5				0.89			
6				0.83			
7				0.89			
8				1.04			
9				0.96			
10				1.11			
11				1.01			
12				1.08			
13				0.97			

File Name: 93026086
Channel Name: Alaska
Description: 93 26-86 BP #1 Ekvik N. Slope cuttings 5,460- 5,520'
Comment 1: OM is abundant and widely diverse in maturity. Obvious
Comment 2: cavings and recycled organics.
Comment 3:
Comment 4:
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.79			
Max:	1.01			
Mean:	0.90			
StDev:	0.08			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				1.01			
2				0.91			
3				0.93			
4				0.85			
5				0.79			

File Name: 93026087
Channel Name: Alaska
Description: 93 26-87 BP #1 Ekvik N. Slope cuttings 5,730- 5,790
Comment 1: OM is abundant and widely diverse in maturity. Obvious
Comment 2: cavings and recycled organics. Indigenous material is
Comment 3: difficult to decide on, and then it was less common than
Comment 4: the other populations of OM.
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.95			
Max:	1.41			
Mean:	1.22			
StDev:	0.14			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				1.05			
2				1.06			
3				1.39			
4				1.19			
5				1.31			
6				1.13			
7				0.95			
8				1.41			
9				1.11			
10				1.12			
11				1.34			
12				1.29			
13				1.20			
14				1.36			
15				1.33			

File Name: 93026088
Channel Name: Alaska
Description: 93 26-88 BP #1 Ekvik N. Slope cuttings 5,940- 6,000
Comment 1: OM is abundant and widely diverse in maturity. Obvious
Comment 2: cavings and recycled organics. Indigenous material is
Comment 3: difficult to decide on, and then it was less common than
Comment 4: the other populations of OM. Tough scan.
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	1.10			
Max:	1.35			
Mean:	1.23			
StDev:	0.08			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				1.29			
2				1.15			
3				1.26			
4				1.35			
5				1.32			
6				1.28			
7				1.28			
8				1.10			
9				1.18			
10				1.19			
11				1.16			
12							

File Name: 93026092
Channel Name: Alaska
Description: 93 26-92 ARCO Pipeline State #1 cuttings 3,480- 3,540'
Comment 1: OM is abundant and quite consistent. Good large struc-
Comment 2: tured pieces. Little recycled or other unususal organic
Comment 3: material.
Comment 4:
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.45			
Max:	0.56			
Mean:	0.51			
StDev:	0.03			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.51			
2				0.50			
3				0.51			
4				0.53			
5				0.49			
6				0.49			
7				0.55			
8				0.54			
9				0.50			
10				0.50			
11				0.52			
12				0.56			
13				0.50			
14				0.50			
15				0.54			
16				0.49			
17				0.52			
18				0.50			
19				0.45			
20				0.55			
21				0.45			
22				0.51			
23				0.54			
24				0.53			
25				0.47			
26				0.52			
27				0.48			
28				0.53			
29				0.52			
30				0.48			
31				0.51			

File Name: 93026093
Channel Name: Alaska
Description: 93 26-93 ARCO Pipeline State #1 cuttings 4,470- 4,520'
Comment 1: OM is abundant and quite consistent. Good large struc-
Comment 2: tured pieces. Little recycled or other unususal organic
Comment 3: material. Good sample.
Comment 4:
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.49			
Max:	0.63			
Mean:	0.57			
StDev:	0.04			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.62			
2				0.49			
3				0.62			
4				0.51			
5				0.55			
6				0.52			
7				0.54			
8				0.57			
9				0.59			
10				0.63			
11				0.56			
12				0.51			
13				0.59			
14				0.55			
15				0.60			
16				0.54			
17				0.60			
18				0.53			
19				0.57			
20				0.62			
21				0.60			
22				0.61			
23				0.62			
24				0.60			
25				0.55			
26				0.58			
27				0.57			
28				0.56			
29				0.61			
30				0.61			
31				0.57			
32				0.54			
33				0.55			
34				0.58			
35				0.49			

File Name: 93026094
Channel Name: Alaska
Description: 93 26-94 ARCO Pipeline State #1 cuttings 5,010- 5,020
Comment 1: OM is abundant and quite consistent. Good large struc-
Comment 2: tured pieces. Little recycled or other unususal organic
Comment 3: material. Good sample.
Comment 4:
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.49			
Max:	0.61			
Mean:	0.54			
StDev:	0.03			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.54			
2				0.56			
3				0.55			
4				0.51			
5				0.51			
6				0.49			
7				0.54			
8				0.52			
9				0.59			
10				0.53			
11				0.54			
12				0.59			
13				0.56			
14				0.52			
15				0.53			
16				0.52			
17				0.51			
18				0.53			
19				0.55			
20				0.52			
21				0.55			
22				0.53			
23				0.51			
24				0.58			
25				0.52			
26				0.57			
27				0.54			
28				0.55			
29				0.61			
30				0.54			
31				0.55			
32				0.53			
33				0.53			
34				0.54			
35				0.54			

File Name: 93026095
Channel Name: Alaska
Description: 93 26-95 ARCO Pipeline State #1 cuttings 5,490- 5,520'
Comment 1: OM is abundant and quite consistent. Good large struc-
Comment 2: tured pieces. Little recycled or other unususal organic
Comment 3: material. Great sample.
Comment 4:
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	-0.48			
Max:	0.62			
Mean:	0.54			
StDev:	0.03			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.55			
2				0.51			
3				0.52			
4				0.49			
5				0.48			
6				0.53			
7				0.51			
8				0.54			
9				0.52			
10				0.60			
11				0.49			
12				0.52			
13				0.52			
14				0.51			
15				0.55			
16				0.53			
17				0.57			
18				0.62			
19				0.52			
20				0.55			
21				0.53			
22				0.54			
23				0.50			
24				0.55			
25				0.54			
26				0.53			
27				0.54			
28				0.57			
29				0.56			
30				0.56			
31				0.57			
32				0.53			
33				0.54			
34				0.57			
35				0.51			

File Name: 93026096
Channel Name: Alaska
Description: 93 26-96 ARCO Pipeline State #1 cuttings 5,990- 6,010
Comment 1: OM is abundant and quite consistent. Good large struc-
Comment 2: tured pieces. Little recycled or other unusual organic
Comment 3: material. Great sample.
Comment 4:
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.50			
Max:	0.70			
Mean:	0.57			
StDev:	0.05			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.55			
2				0.50			
3				0.54			
4				0.57			
5				0.58			
6				0.59			
7				0.56			
8				0.56			
9				0.55			
10				0.59			
11				0.50			
12				0.52			
13				0.70			
14				0.53			
15				0.52			
16				0.58			
17				0.54			
18				0.58			
19				0.56			
20				0.59			
21				0.60			
22				0.55			
23				0.70			
24				0.61			
25				0.62			
26				0.59			
27				0.51			
28				0.61			
29				0.64			
30				0.60			
31				0.53			
32				0.60			
33				0.56			
34				0.57			
35				0.52			

File Name: 93026097
Channel Name: Alaska
Description: 93 26-97 ARCO Pipeline State #1 cuttings 6,490- ~~7,010~~ 6,510
Comment 1: OM is abundant and quite consistent. Good large struc-
Comment 2: tured pieces. Little recycled or other unusual organic
Comment 3: material. Beginning to look like several other samples
Comment 4: from this profile.
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.50			
Max:	0.64			
Mean:	0.55			
StDev:	0.03			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.57			
2				0.55			
3				0.50			
4				0.54			
5				0.52			
6				0.55			
7				0.59			
8				0.53			
9				0.64			
10				0.58			
11				0.53			
12				0.55			
13				0.58			
14				0.53			
15				0.55			
16				0.51			
17				0.58			
18				0.55			
19				0.53			
20				0.53			
21				0.51			

File Name: 93026098
Channel Name: Alaska
Description: 93 26-98 ARCO Pipeline State #1 cuttings 6,990- 7,010'
Comment 1: OM is abundant, but in about four populations. Difficult
Comment 2: to distinguish the material due to the wide variety of OM
Comment 3: Recycled, apparent drilling additive, cavings, all con-
Comment 4: tribute to this sample.
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.50			
Max:	0.73			
Mean:	0.62			
StDev:	0.07			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.60			
2				0.67			
3				0.69			
4				0.73			
5				0.58			
6				0.61			
7				0.55			
8				0.57			
9				0.50			
10				0.65			
11				0.69			
12				0.68			
13				0.67			
14				0.62			
15				0.53			

File Name: 93026099
Channel Name: Alaska
Description: 93 26-99 ARCO Pipeline State #1 cuttings 7,490- 7,520'
Comment 1: OM is abundant, but in about four populations. Difficult
Comment 2: to distinguish the material due to the wide variety of OM
Comment 3: Recycled, apparent drilling additive, cavings, all con-
Comment 4: tribute to this sample. Similar to several other samples.
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.54			
Max:	0.71			
Mean:	0.61			
StDev:	0.05			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.60			
2				0.57			
3				0.62			
4				0.59			
5				0.71			
6				0.58			
7				0.68			
8				0.54			
9				0.65			
10				0.66			
11				0.64			
12				0.60			
13				0.64			
14				0.59			
15				0.56			

File Name: 93089012
Channel Name: Pawlewicz
Description: 93 89-12 Arco Pipeline St.#1 cuttings 7990- 8020'
Comment 1: Abundant organic material, but very diverse. Tough
Comment 2: recognizing indigenous OM. OM ranging from bitumen to
Comment 3: low Rm mat'l at about .5 percent up to about 1.2 percent.
Comment 4: Recycled OM is common and is not easily distinguished
Comment 5: from high rank OM.
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.89			
Max:	1.18			
Mean:	1.04			
StDev:	0.11			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				1.00			
2				1.05			
3				1.18			
4				1.10			
5				0.89			

File Name: 93089013
Channel Name: Pawlewicz
Description: 93 89-13 Arco Pipeline St.#1 cuttings 8500- 8520'
Comment 1: Abundant organic material, but very diverse. Tough
Comment 2: recognizing indigenous OM. OM ranging from bitumen to
Comment 3: low Rm mat'l at about .5 percent up to about 1.2 percent.
Comment 4: Recycled OM is common and is not easily distinguished
Comment 5: from high rank OM. Low confidence in the mean value
Comment 6: for this sample.

	Meas1	Meas2	Ratio	Conc.
Min:	1.04			
Max:	1.19			
Mean:	1.11			
StDev:	0.07			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				1.04			
2				1.10			
3				1.17			
4				1.19			
5				1.06			
6							

File Name: 93089014
Channel Name: Pawlewicz
Description: 93 89-14 Arco Pipeline St.#1 cuttings 8740- 8760'
Comment 1: OM is common and much more momogenous than about all the
Comment 2: preceding samples. Little diversity means not many types
Comment 3: to choose from. Second population looks much like
Comment 4: lignite. More confidence in this sample.
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.63			
Max:	0.82			
Mean:	0.72			
StDev:	0.06			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.63			
2				0.68			
3				0.75			
4				0.73			
5				0.66			
6				0.82			
7				0.74			
8				0.74			
9				0.74			

File Name: 93089015
Channel Name: Pawlewicz
Description: 93 89-15 Arco Pipeline St.#1 cuttings 8990- 9010'
Comment 1: OM is common, and quite diverse. Apparently much bitumen
Comment 2: in this sample, along with an abundance of recycled OM.
Comment 3: A bit more confident in the mean value for this sample.
Comment 4:
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.63			
Max:	0.79			
Mean:	0.70			
StDev:	0.05			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.65			
2				0.63			
3				0.73			
4				0.71			
5				0.79			
6				0.73			
7				0.66			
8				0.67			
9				0.79			
10				0.70			
11				0.70			

File Name: 93089017
Channel Name: Pawlewicz
Description: 93 89-17 Arco Pipeline St.#1 cuttings 9490- 9510'
Comment 1: OM is abundant and about exclusively very low rank
Comment 2: Almost appears as bitumen, but is probably lignite.
Comment 3: few pieces of high rank recycled inertinite.
Comment 4:
Comment 5:
Comment 6:

	Meas1	Meas2	Ratio	Conc.
Min:	0.24			
Max:	0.37			
Mean:	0.30			
StDev:	0.05			

Pt.	X-Pos	Y-Pos	Z-Pos	Meas1	Meas2	Ratio	Conc.
1				0.36			
2				0.27			
3				0.37			
4				0.31			
5				0.27			
6				0.37			
7				0.27			
8				0.27			
9				0.25			
10				0.24			
11				0.24			
12				0.30			
13				0.32			
14				0.28			
15				0.34			

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IMMM
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