

Table 1 - Analytical Results of Sediment Samples (Alkylated PAHs)
Astoria Area-Wide Petroleum Site
Astoria, Oregon

Sample-ID Depth in inches Sampling Date	Number of Benzene Rings	LCRMA SL	DEQ Marine Sediment SLV	SD-700a	SD-701a
				0 - 3	0 - 3
				19-Jun-03	19-Jun-03
Alkylated PAHs		Concentrations in µg/kg (ppb)			
Naphthalene	2	2,100	35	153	20.5
C1-Napthalene	2	NA	NA	154	8.8
C2-Naphthalene	2	NA	NA	1,620	20.6
C3-Naphthalene	2	NA	NA	6,850	24.4
C4-Naphthalene	2	NA	NA	14,900	92.8
Biphenyl	2	NA	NA	51	6.3
Acenaphthylene	2	560	6	62	14.2
Dibenzofuran	2	540	110	344	14.4
Acenaphthene	2	500	7	344	8.1
Fluorene	2	540	21	432	13
C1-Fluorenes	2	NA	NA	2,840	19.6
C2-Fluorenes	2	NA	NA	9,350	57.2
C3-Fluorenes	2	NA	NA	12,000	99.2
Dibenzothiophene	2	NA	NA	573	12.6
C1-Dibenzothiophene	2	NA	NA	3,430	21.2
C2-Dibenzothiophene	2	NA	NA	8,890	66.5
C3-Dibenzothiophene	2	NA	NA	8,270	95.3
C4-Dibenzothiophene	2	NA	NA	4,330	62.3
Phenanthrene	3	1,500	86	676	71.4
Anthracene	3	960	47	668	55.4
C1-Phenanthrenes/Anthracenes	3	NA	NA	3,330	47.4
C2-Phenanthrenes/Anthracenes	3	NA	NA	11,100	101
C3-Phenanthrenes/Anthracenes	3	NA	NA	9,940	120
C4-Phenanthrenes/Anthracenes	3	NA	NA	3,790	69.1
Fluoranthene	3	1,700	113	2,940	295
Pyrene	4	2,600	152	3,370	319
C1-Fluoranthenes/Pyrenes	3/4	NA	NA	2,700	168
C2-Fluoranthenes/Pyrenes	3/4	NA	NA	1,610	98.8
C3-Fluoranthenes/Pyrenes	3/4	NA	NA	764	56.6
Benzo(a)anthracene	4	1,300	75	758	128
Chrysene	4	1,400	107	1,550	215
C1-Chrysenes	4	NA	NA	534	72.8
C2-Chrysenes	4	NA	NA	301	53.9
C3-Chrysenes	4	NA	NA	187	54.6
C4-Chrysenes	4	NA	NA	U	U
Benzo(b)fluoranthene	4	NA	1,800	694	149
Benzo(j/k)fluoranthene	4	NA	1,800	677	147
Benzo(a)fluoranthene	4	NA	NA	101	26.5
Benzo(e)pyrene	5	NA	NA	520	115.0
Benzo(a)pyrene	5	1,600	89	392	106
Perylene	5	NA	NA	192	128
Indeno(1,2,3-cd)pyrene	5	600	600	284	87.5
Dibenz(a,h)anthracene	5	230	6	39.2	16
Benzo(g,h,i)perylene	5	670	670	221	74.2

F:\DATA\Jobs\15435 - Astoria Area Wide ERA\02 - Sediment TM (Results Tables)

Notes:

1. Alkylated Polynuclear Aromatic Hydrocarbons (PAHs) by EPA Method 8270M.
2. Results reported on a dry weight basis.
3. U = Not Detected.
4. NA = Not Available
5. Shading denotes a detected PAH concentration above DEQ Marine Sediment SLV.
6. Bolding denotes a detected PAH concentration above the LCRMA SL.