

Table 2 - Analytical Results of Sediment Samples (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-700	SD-701	
				0 - 3	0 - 3	
				19-Jun-03	19-Jun-03	
LPAHs		Concentrations in µg/kg (ppb)				
	Acenaphthene	2	500	7	684	<26.8
	Acenaphthylene	2	560	6	<641	<26.8
	Anthracene	3	960	47	1,910	<26.8
	Fluorene	2	540	21	<962	<26.8
	Naphthalene	2	2,100	35	<641	<26.8
	Phenanthrene	3	1,500	86	<641	59.2
	Total LPAHs	--	5,200	312	2,594	59.2
HPAHs	Benz(a)anthracene	4	1,300	75	759	70.5
	Benzo(a)pyrene	5	1,600	89	<641	52.6
	Benzo(b)fluoranthene	4	N/A	1800	<641	83.0
	Benzo(k)fluoranthene	4	N/A	1800	<641	48.0
	Benzofluoranthenes (b+k)	4	3,200	3,600	<641	131.0
	Benzo(g,h,i)perylene	5	670	670	<641	33.6
	Chrysene	4	1,400	107	1,310	122
	Dibenz(a,h)anthracene	5	230	6	<641	<26.8
	Fluoranthene	3	1,700	113	3,340	170
	Indeno(1,2,3-cd)pyrene	5	600	600	<641	30.1
	Pyrene	4	2,600	152	2,960	169
	Total HPAHs	--	12,000	655	8,369	486.8
	TPH		Concentrations in mg/kg (ppm)			
		Gasoline Range Hydrocarbons	--	NA	NA	<47.8
Diesel Range Hydrocarbons		--	NA	NA	8,090	150
Heavy Oil Range Hydrocarbons		--	NA	NA	800	143

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

Notes:

1. Polynuclear Aromatic Hydrocarbons (PAHs) by EPA Method 8270M SIM.
2. Results reported on a dry weight basis.
3. Shading denotes a detected PAH concentration above DEQ Marine Sediment SLV.
4. Bolding denotes a detected PAH concentration above the LCRMA SL.
5. < = Not detected above the indicated laboratory method reporting limit.
6. LPAHs = Low Molecular Weight PAHs.
7. HPAHs = High Molecular Weight PAHs.
8. NA = Not Available.