

TABLE D-27

## SVOCs IN SEDIMENT

Remedial Investigation/Feasibility Study  
 Astoria Area-Wide Petroleum Site  
 Astoria, Oregon

Locator ID	Sample Date	Approximate		LPAH Compounds			
		Water Depth (feet)(a)	Sample Depth (ft)	(µg/kg)			
				Naphthalene	2-Methyl- naphthalene	Acenaphthylene	Acenaphthene
SD-100	1/26/2006	-2.8	0 - 0.33	7.1 J	2.6 U	3.1 U	2.2 U
SD-101	1/26/2006	-4.3	0 - 0.33	40	20	350 U	250 U
SD-102	1/26/2006	-4.1	0 - 0.33	160	60	520 U	370 U
SD-103	1/26/2006	1.4	0 - 0.33	7.0 J	8.3 J	15	10 J
SD-104	1/26/2006	6.3	0 - 0.33	2.9 U	2.7 U	3.2 U	2.3 U
REF-EBB	1/26/2006	15.8	0 - 0.33	2.7 U	2.5 U	2.9 U	2.1 U
REF-YB	1/26/2006	0.7	0 - 0.33	2.4 U	2.2 U	2.5 U	1.8 U
SD-700(P)	6/19/2003		0.25	478 U		641 U	684 U
SD-700(P)	6/19/2003		0.25	641 U			
SD-701(P)	6/19/2003		0.25	200 U		26.8 U	26.8 U
SD-701(P)	6/19/2003		0.25	26.8 U			

Notes:

(a) Depth to mudline has been tide corrected to Columbia River Datum (CRD)

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				Fluorene	Phenanthrene	Anthracene	
SD-100	1/26/2006	-2.8	0 - 0.33	3.7 U	280 U	310 U	310 U
SD-101	1/26/2006	-4.3	0 - 0.33	420 U	540 JD	350 U	600 JD
SD-102	1/26/2006	-4.1	0 - 0.33	630 U	620 JD	700 JD	1,540 JD
SD-103	1/26/2006	1.4	0 - 0.33	45	110	480	675 J
SD-104	1/26/2006	6.3	0 - 0.33	3.8 U	8.6 J	3.2 U	8.6 J
REF-EBB	1/26/2006	15.8	0 - 0.33	3.5 U	4.1 J	2.9 U	4.1 J
REF-YB	1/26/2006	0.7	0 - 0.33	3.1 U	3.7 J	2.5 U	3.7 J
SD-700(P)	6/19/2003		0.25	962 U	641 U	1910	
SD-700(P)	6/19/2003		0.25				
SD-701(P)	6/19/2003		0.25	26.8 U	59.2	26.8 U	
SD-701(P)	6/19/2003		0.25				

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				Fluoranthene	Pyrene	Benzo(a)- anthracene	Chrysene	Benzo(b)- fluoranthene
SD-100	1/26/2006	-2.8	0 - 0.33	650 JD	290	120	210	160
SD-101	1/26/2006	-4.3	0 - 0.33	2,000 D	570	240	710	380
SD-102	1/26/2006	-4.1	0 - 0.33	4,100 D	1,100	920	2,500 D	1,400 JD
SD-103	1/26/2006	1.4	0 - 0.33	250	280	170	320	170
SD-104	1/26/2006	6.3	0 - 0.33	20	22	10 J	18	15
REF-EBB	1/26/2006	15.8	0 - 0.33	12	15	6.6 J	9.3 J	11 J
REF-YB	1/26/2006	0.7	0 - 0.33	11	13	5.8 J	8.6 J	10
SD-700(P)	6/19/2003		0.25	3340	2960	759	1310	641 U
SD-700(P)	6/19/2003		0.25					
SD-701(P)	6/19/2003		0.25	170	169	70.5	122	83.2
SD-701(P)	6/19/2003		0.25					

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Locator ID	Sample Date	Approximate Water Depth (feet)(a)	Sample Depth (ft)	HPAH Compounds (µg/kg)			
				Benzo(k)- fluoranthene	Benzo(a)- pyrene	Indeno(1,2,3-c,d)- pyrene	Dibenz(a,h)- anthracene
SD-100	1/26/2006	-2.8	0 - 0.33	54	76	48	11
SD-101	1/26/2006	-4.3	0 - 0.33	120	160	96	19
SD-102	1/26/2006	-4.1	0 - 0.33	300	450	280	56
SD-103	1/26/2006	1.4	0 - 0.33	58	58	39	8.4 J
SD-104	1/26/2006	6.3	0 - 0.33	5.8 J	11 J	8.8 J	4.9 U
REF-EBB	1/26/2006	15.8	0 - 0.33	5.2 U	9.3 J	7.3 J	4.5 U
REF-YB	1/26/2006	0.7	0 - 0.33	4.5 U	9.3 J	7.7 J	3.9 U
SD-700(P)	6/19/2003		0.25	641 U	641 U	641 U	641 U
SD-700(P)	6/19/2003		0.25				
SD-701(P)	6/19/2003		0.25	48	52.6	30.1	26.8 U
SD-701(P)	6/19/2003		0.25				

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				Benzo(g,h,i)- perylene	Total HPAH	Total PAH
SD-100	1/26/2006	-2.8	0 - 0.33	44	1,663 JD	1,663 JD
SD-101	1/26/2006	-4.3	0 - 0.33	74	4,369 D	4,969 JD
SD-102	1/26/2006	-4.1	0 - 0.33	210	11,316 JD	12,856 JD
SD-103	1/26/2006	1.4	0 - 0.33	32	1,385 J	2,060 J
SD-104	1/26/2006	6.3	0 - 0.33	9.3 J	120 J	128.6 J
REF-EBB	1/26/2006	15.8	0 - 0.33	7.8 J	78.3 J	82.4 J
REF-YB	1/26/2006	0.7	0 - 0.33	9.3 J	74.7 J	78.4 J
SD-700(P)	6/19/2003		0.25	641 U		
SD-700(P)	6/19/2003		0.25			
SD-701(P)	6/19/2003		0.25	33.6		
SD-701(P)	6/19/2003		0.25			

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