

TABLE D-36

VOCs IN SOIL GAS

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

Locator ID	Sample ID	Sample Date	TPH-G (gasoline)		Benzene		Toluene		Ethylbenzene	
			ppmv	mg/m ³	ppbv	ug/m ³	ppbv	ug/m ³	ppbv	ug/m ³
SSP-01	SSP-01	7/22/2005	1900	7800	1900	6100	840	3200	<260	< 1100
SSP-01	SSP-01	7/22/2005	1500	6100	1600	5100	510	1900	<200	< 870
SSP-01	SSP-01	9/19/2006	870	3600	830	2700	<5.8	< 22.0	<5.8	< 25
SSP-02	SSP-02	9/20/2006	9.4	39	<0.76	< 2.4	<0.76	< 2.9	<0.76	< 3.3
SSP-03	SSP-03	7/22/2005	<4.5	<18	1.3	0.0	1.8	6.8	<0.75	< 3.3
SSP-03	SSP-03	9/20/2006	<4.2	<17	<0.70	< 2.2	1.1	4.2	<0.70	< 3.0
SSP-04	SSP-04	7/22/2005	<4.8	<20	4.7	15.0	1.3	4.9	<0.80	< 3.5
SSP-04	SSP-04	9/20/2006	<4.6	<19	<0.77	< 2.5	0.87	3.3	<0.77	< 3.4
SSP-05	SSP-05	9/20/2006	<4.6	<19	<0.76	< 2.4	7.3	28	<0.76	< 3.3
SSP-06	SSP-06	9/20/2006	660	2700	2300	7400	<30	< 110	<30	< 130
SSP-06	SSP-06	9/20/2006	630	2600	1700	5400	<31	< 120	<31	<130
SSP-07	SSP-07	9/20/2006	18	74	17	54	1.6	6.1	1.0	4.4
AA01	AA01	7/22/2005	<4.6	<19	<0.76	< 2.4	<0.76	< 2.9	<0.76	< 3.3
AA01	AA01	9/20/2006	<4.3	<18	<0.72	< 2.3	<0.72	< 2.7	<0.72	< 3.1

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Locator ID	Sample ID	Sample Date	o-Xylene		m/p-Xylene		1,2,4-Trimethylbenzene		1,3,5-Trimethylbenzene	
			ppbv	ug/m ³	ppbv	ug/m ³	ppbv	ug/m ³	ppbv	ug/m ³
SSP-01	SSP-01	7/22/2005	270	1200	750	3300	<560	< 2800	<260	< 1300
SSP-01	SSP-01	7/22/2005	<200	< 870	470	2000	<400	< 2000	<200	< 990
SSP-01	SSP-01	9/19/2006	<5.8	< 25	39	170	<12	< 59	<5.8	< 29
SSP-02	SSP-02	9/20/2006	<0.76	< 3.3	<1.5	< 6.5	<1.5	< 7.4	<0.76	< 3.7
SSP-03	SSP-03	7/22/2005	<0.75	< 3.3	<1.5	< 6.5	14	69	2.6	13.0
SSP-03	SSP-03	9/20/2006	<0.70	< 3.0	1.7	7.4	3.4	17	0.81	4.0
SSP-04	SSP-04	7/22/2005	<0.80	< 3.5	<1.6	< 7.0	<1.6	< 7.9	<0.80	< 3.9
SSP-04	SSP-04	9/20/2006	<0.77	< 3.4	<1.5	< 6.5	<1.5	< 7.4	<0.77	< 3.8
SSP-05	SSP-05	9/20/2006	3.0	13.0	5.5	24	11	54	5.3	26
SSP-06	SSP-06	9/20/2006	<30	< 130	<60	< 260	300	1500	<30	< 150
SSP-06	SSP-06	9/20/2006	<31	< 130	74	320	370	1800	<31	< 150
SSP-07	SSP-07	9/20/2006	0.95	4.1	2.3	10	<1.4	< 6.9	<0.69	< 3.4
AA01	AA01	7/22/2005	<0.76	< 3.3	<1.5	< 6.5	<1.5	< 7.4	<0.76	< 3.7
AA01	AA01	9/20/2006	<0.72	< 3.1	<1.4	< 6.1	<1.4	< 6.9	<0.72	< 3.5