

Table 1
2004 Soil Vapor Sample Analytical Results
Soo Line Shoreham Yard Site
 Results in parts per billion (detections only)

Compound	SV04-01 (5')	SV04-02 (5')	SV04-02 (15')	SV04-02 (25')	SV04-03 (5')	SV04-03 (15')	SV04-03 (25')	SV04-04 (5')	SV04-05 (5')	SV04-06 (5')
Acetone	54	160		86	34	66		30		
Cyclohexane	100						8700			
1,1,1-Trichloroethane	280	4200	4900	5200	9500	4800	56000	30000	1600	210
1,1-Dichloroethane	38	120	57	150	160	280	1100	200		
1,1-Dichloroethene	33	36		62	29	30	2800			
cis-1,2-Dichloroethene		39		34	36	55	850	59		
Benzene							900			
Trichloroethene (TCE)	260	23000	4200	17000	3200	1800	170000	410	400	68
4-ethyltoluene	36						2700			
Toluene	370			97			400000	300	64	270
Tetrachloroethene (PCE)	300	3100	950	2100	4900	2200	12000	300	380	280
Ethylbenzene							69000	31		
m&p Xylenes							200000	140		83
o-Xylene							70000	46		25
n-Heptane						520	91000	23		
n-Hexane			55						26	
Propylene	25	41			39	260		47	87	23
Styrene				37			130000	99		80
1,3,5-Trimethylbenzene	42						3300			
1,2,4-Trimethylbenzene	100						7600	23		
THC as Gas	31000	19000	8500	16000	19000	23000	2200000	10000	4700	2300

Source: Ashland 2004

Table 2
 2006 Ambient Air Sample Analytical Results
 Soo Line Shoreham Yard Site
 Results in ug/m³ (detections only)

Compound	AS-1					AS-2					Chronic Screening Criteria	Source
	(Background) 1/4/2006	2/3/2006	7/11/2006	7/27/2006	8/16/2006	(Background) 1/4/2006	5/30/2006	7/11/2006	7/27/2006	8/16/2006		
Acetone	12.0		24.0	16.0	11.0	9.4	13.0	26.0	25.0	13.0	350	RfC
Tetrahydrofuran	4.1									25.0	NA	
Methyl ethyl ketone			2.6			2.7		3.0		4.7	1000	RfC
Ethanol		7.1	6.7					10.0			NA	
Carbon disulfide								19.0			700	HRV
Methylene chloride											20	HRV
Hexane											2000	HRV
2-propanol											NA	
Benzene											1.3-4.5	HRV
Toluene			4.3				4.1	4.8			400	HRV
m&p Xylenes								4.1			700	RfC

Compound	AS-3	AS-4		AS-5						Chronic Screening Criteria	Source
	2/3/2006	(Background) 1/4/2006	2/3/2006	(Background) 1/4/2006	1/25/2006	5/30/2006	7/11/2006	7/27/2006	8/16/2006		
Acetone	12.0	10.0	7.8			7.6	42.0	23.0	10.0	350	RfC
Tetrahydrofuran				3.8						NA	
Methyl ethyl ketone							4.0	3.2		1000	RfC
Ethanol							16.0		9.4	NA	
Carbon disulfide						2.5	2.6			700	HRV
Methylene chloride						63.0			7.2	20	HRV
Hexane						4.9				2000	HRV
2-propanol							8.2				
Benzene					5.4					1.3-4.5	HRV
Toluene					4.0		8.4		3.8	400	HRV
m&p Xylenes										700	RfC

Bold indicates exceedence of chronic screening criteria
 NA = None established
 RfC = EPA Reference Concentration, IRIS Database
 HRV = Minnesota Dept. of Health Chronic Health Risk Value for Air