

**Table 4-1**  
**Summary of Soil Boring Field Screening and Analytical Data - Volatiles**  
**Former Norton/Nashua Facility**  
**Watervliet, New York**

Sample Designation	Sampling Date	Sample Depth (feet)	PID Reading		Max. PID Interval (feet)	Acetone (µg/kg)	Methylene chloride (µg/kg)	2-Butanone (MEK) (µg/kg)	Chloroform (µg/kg)	cis-1,2-DCE (µg/kg)	Trichloroethene (µg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethylbenzene (µg/kg)	m,p-Xylene (µg/kg)	o-Xylene (µg/kg)	Heptane (µg/kg)	Total VOC TICs (µg/kg)	Total VOCs (µg/kg)
			Sample (ppmv)	Max. (ppmv)															
<b>Quonset Hut C AOC</b>																			
SB-1	8/26/2003	5 - 6	2.1 <sup>(1)</sup>	9.0	0 - 5	8 JB	5 JB	<11	<6	<6	<6	<6	<6	<6	<6	<6	<11	ND	ND
SB-2	8/26/2003	11 - 12	7.2	7.2	10 - 15	6 JB	4 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	ND	ND
<b>Quonset Hut B AOC</b>																			
SB-10	8/27/2003	8 - 9	8.0	8.0	5 - 10	14 B	8 B	<11	<6	<6	<6	<6	<6	<6	<6	<6	<11	ND	ND
SB-11	8/27/2003	4 - 5	5.5	5.5	0 - 5	10 JB	7 B	<11	<6	<6	<6	<6	<6	<6	<6	<6	<11	ND	ND
SB-12	8/27/2003	7.5 - 8.5	2.9	2.9	5 - 10	10 JB	5 JB	<11	<5	<5	<5	<5	<5	<5	<5	<5	<11	ND	ND
<b>Former Solvent Recovery Room AOC</b>																			
SB-3	8/26/2003	10 - 11	4.7	4.7	10 - 15	12 B	5 JB	<11	<6	<6	<6	<6	49	<6	<6	<6	<11	22	71
SB-4	8/26/2003	9 - 10	4.5 <sup>(2)</sup>	4.6	10 - 15	14 B	5 B	<11	<5	<5	<5	<5	<5	<5	<5	<5	<11	6	6
SB-4	8/26/2003	9 - 10 (RE)	4.5 <sup>(2)</sup>	4.6	10 - 15	10 JB	4 JB	<11	<5	<5	<5	<5	<5	<5	<5	<5	<11	9	9
<b>Former Filter Room AOC</b>																			
SB-13	8/28/2003	9 - 10	0.5 <sup>(2)</sup>	0.9	10 - 15	16 B	5 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	ND	ND
SB-14	8/28/2003	9 - 10	2.3	2.3	5 - 10	6 JB	3 JB	<11	<5	<5	<5	<5	<5	<5	<5	<5	<11	ND	ND
SB-14A*	8/28/2003	20 - 25	2.3	2.3	5 - 10	5 JB	2 JB	<11	<6	<6	<6	<6	<6	<6	<6	<6	<11	ND	ND
SB-140	12/4/2003	6 - 8	0.3 <sup>(2)</sup>	0.4	10 - 15	<11	5 JB	<11	<6	<6	<6	<6	<6	<6	<6	<6	<11	17 J	17 J
<b>Former "Beartex" Sump Pit SWMU/Building #61 Doorway Spill AOC</b>																			
SB-5	8/26/2003	8 - 9	4.5	4.5	5 - 10	13 B	4 JB	<11	<6	<6	<6	<6	<6	<6	<6	<6	<11	ND	ND
SB-6	8/27/2003	9 - 10	0.0 <sup>(2)</sup>	69.8	10 - 15	4 JB	5 JB	<11	<6	<6	<6	<6	<6	<6	<6	<6	<11	45	45
SB-6	8/27/2003	10 - 11	69.8	69.8	10 - 15	740 B	170 JB	<530	<270	<270	<270	<270	5,900	<270	88 J	<270	840	5,560	12,388
SB-7	8/27/2003	9 - 10	0.1 <sup>(2)</sup>	14.7	10 - 15	19 B	5 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	ND	ND
SB-8	8/27/2003	9 - 10	2.1	11.0	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-8	8/27/2003	10 - 11	11.0	11.0	10 - 15	31 B	6 B	<12	<6	<6	<6	<6	36	<6	<6	<6	<12	ND	36
SB-9	8/27/2003	9 - 10	5.5	5.5	5 - 10	14 B	7 B	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	ND	ND
SB-60	9/10/2003	9 - 10	5.0 <sup>(2)</sup>	50.0	10 - 15	10 J	2 JB	<11	<5	<5	<5	<5	<5	<5	<5	<5	<11	20 J	30 J
<b>Building #58 AOC</b>																			
SB-43	9/8/2003	9 - 10	47.0 <sup>(1)</sup>	50.0	0 - 5	33	5 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	ND	33
SB-44	9/8/2003	8 - 9	61.0	61.0	5 - 10	49	7 B	<13	<6	<6	<6	<6	<6	<6	<6	<6	63	228 J	340
SB-45	9/8/2003	9 - 10	45.0 <sup>(2)</sup>	50.0	10 - 15	19	4 JB	<12	<6	11	12	<6	<6	<6	<6	<6	25	66 J	133
SB-46	9/8/2003	9 - 10	45.0 <sup>(1)</sup>	50.0	0 - 5	54	5 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	ND	54
SB-47	9/8/2003	NS	(boring refusal at 2 feet)			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-48	9/9/2003	8 - 9	4.5 <sup>(2)</sup>	5.5	10 - 15	13	4 JB	<11	<6	<6	<6	<6	<6	<6	<6	<6	<11	ND	13
SB-49	9/9/2003	8.5 - 9.5	6.3 <sup>(2)</sup>	6.7	10 - 15	45	8 B	<12	<6	<6	<6	<6	<6	<6	<6	<6	63	ND	108
SB-50	9/9/2003	8 - 9	6.0 <sup>(1)</sup>	7.6	0 - 5	56	5 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	ND	56
SB-51	9/9/2003	11.5 - 12.5	7.0 <sup>(3)</sup>	1,500	0 - 5	27	6 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	20 J	47
SB-52	9/9/2003	6 - 7	120	120	5 - 10	11 J	5 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	ND	11 J
SB-53	9/9/2003	9 - 10	7.0	7.0	5 - 10	<12	5 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	ND	ND
SB-54	9/9/2003	9 - 10	6.0	6.0	5 - 10	<12	4 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	ND	ND
SB-55	9/10/2003	9 - 10	4.0	4.0	5 - 10	<11	3 JB	<11	<5	<5	<5	<5	<5	<5	<5	<5	<11	7 J	7 J
SB-56	9/10/2003	8 - 8.5	4.5	4.5	5 - 10	52	2 JB	<11	<5	<5	<5	<5	90	26	100	46	<11	ND	314
SB-57	9/10/2003	NS	(boring for cut-out water sample)			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
<b>NYSDEC soil clean-up Objective (TAGM #4046) - µg/kg</b>						<b>200</b>	<b>100</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>700</b>	<b>60</b>	<b>1,500</b>	<b>5,500</b>	<b>1,200</b>	<b>12,000</b>	<b>10,000</b>	<b>10,000</b>	

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			Sample (ppmv)	Max. (ppmv)															
<b>Building #58 AOC (cont.)</b>																			
SB-58	9/10/2003	NS	(boring for cut-out water sample)			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-63	9/11/2003	10 - 15	NS	4,000	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-65	9/11/2003	5 - 15	NS	1,700	5 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-66	9/11/2003	9 - 12	3,000	3,000	10 - 15	<160,000	30,000 JB	<160,000	<81000	<81000	<81000	<81000	2,400,000	<81000	<81000	<81000	840,000	100,000 J	3,340,000
SB-85	9/16/2003	5 - 10	NS	50.0	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-94	9/17/2003	5 - 10	NS	5,000	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-95	9/17/2003	10 - 15	NS	5,000	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-96	9/17/2003	10 - 15	NS	125.0	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-97	9/17/2003	10 - 15	NS	3,000	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-100	9/18/2003	9 - 11	3,000	3,000	5 - 15	26,000 B	8,200 JB	<23000	<11000	<11000	<11000	<11000	220,000	<11000	<11000	<11000	340,000	90,000 J	650,000
SB-101	9/18/2003	10 - 15	NS	1,700	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-102	9/18/2003	4 - 5	400	400	0 - 5	27	<5	<11	<5	<5	<5	3 J	4 J	2 J	2 J	<5	<11	39 J	95
SB-102	9/18/2003	9 - 10	3,500	3,500	5 - 10	50,000 B	24,000 B	<48000	<24000	<24000	<24000	<24000	740,000	<24000	<24000	<24000	1,100,000 E	270,000 J	2,110,000
SB-103	9/18/2003	10 - 15	NS	800	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-104	9/18/2003	10 - 15	NS	1,800	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-105	9/18/2003	5 - 10	NS	182	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-106	9/18/2003	10 - 15	NS	1,700	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-108	9/19/2003	0 - 5	NS	25.0	0 - 5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-109	9/19/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-110	9/19/2003	8 - 9	1,500	1,500	5 - 10	<600	140 JB	<600	<300	<300	<300	<300	120 J	<300	<300	<300	<600	53,900 J	54020 J
SB-111	9/19/2003	7 - 8	30.0	30.0	5 - 10	18 B	2 JB	<11	<5	<5	<5	<5	<5	<5	<5	<5	<11	14 J	14 J
SB-112	9/19/2003	8 - 9	50.0	50.0	5 - 10	48 B	3 JB	<17	<8	<8	<8	<8	<8	<8	<8	<8	<17	290 J	290 J
SB-112	9/19/2003	8 - 9 (RE)	50.0	50.0	5 - 10	130 B	20 B	<17	<8	<8	<8	<8	7 J	<8	<8	<8	<17	240 J	247 J
SB-112A*	9/19/2003	20 - 25	50.0	50.0	5 - 10	2,300 JB	930 JB	<2,400	<1,200	<1,200	<1,200	<1,200	<1,200	<1,200	<1,200	<1,200	<2,400	317,000 J	317,000 J
SB-113	11/24/2003	3 - 4	NM	NM	NM	<11	<6	<11	<6	<6	<6	<6	<6	<6	<6	<6	<11	64 J	64 J
SB-113 (RE)	11/24/2003	3 - 4	NM	NM	NM	55 B	4 JB	<11	<6	<6	<6	<6	<6	<6	<6	<6	<11	34 J	34 J
SB-113	11/24/2003	9 - 10	NM	NM	NM	<12	<6	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	88 JN	88 JN
SB-116	11/24/2003	8.5 - 9.5	NM	NM	NM	<11	<6	<11	<6	<6	<6	<6	<6	<6	<6	<6	<11	ND	ND
SB-117	11/24/2003	8 - 9	NM	NM	NM	<12	<6	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	9 J	9 J
SB-118	11/24/2003	8.5 - 9.5	NM	NM	NM	<11	<5	<11	<5	<5	<5	<5	<5	<5	<5	<5	<11	9 J	9 J
SB-119	11/24/2003	8 - 9	NM	NM	NM	<13	<6	<13	<6	<6	<6	<6	<6	<6	<6	<6	<13	9 J	9 J
SB-122	11/25/2003	8.5 - 9.5	0.0	0.0	---	45 B	11 B	<13	<6	<6	<6	<6	<6	<6	<6	<6	<13	8 J	8 J
SB-127	11/26/2003	10 - 15	NS	5,000	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-143	12/5/2003	NS	(boring for well MW-17)			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-147	1/19/2004	9 - 10	8.0	8.0	5 - 10	<12	3 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	ND	ND
SB-148	1/19/2004	7 - 9	0.0	0.0	---	<11	2 JB	<11	<6	<6	<6	<6	<6	<6	<6	<6	<11	ND	ND
SB-148A*	1/19/2004	20 - 25	0.0	0.0	---	<12	2 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	ND	ND
SB-149	1/20/2004	6 - 7	0.0	0.0	---	<12	4 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	20 J	20 J
SB-150	1/20/2004	7 - 8	0.0	0.0	---	<11	3 JB	<11	<6	<6	<6	<6	<6	<6	<6	<6	<11	ND	ND
SB-151	1/20/2004	9 - 10	2.5 <sup>(2)</sup>	600	10 - 15	9 JB	3 JB	<11	<6	<6	<6	<6	10	<6	<6	<6	<11	6 J	16
NYSDEC soil clean-up Objective (TAGM #4046) - µg/kg						200	100	300	300	300	700	60	1,500	5,500	1,200	12,000	10,000	10,000	

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			Sample (ppmv)	Max. (ppmv)																
<b>Building #58 AOC (cont.)</b>																				
SB-152	1/20/2004	6.5 - 7.5	0.0	0.0	---	<11	3 JB	<11	<5	<5	<5	<5	<5	<5	<5	<5	<11	ND	ND	
SB-153	1/20/2004	8 - 9	0.0	0.0	---	<12	3 JB	<12	<6	<6	<6	<6	<6	<6	<6	1 J	<12	28 J	29 J	
SB-154	1/20/2004	8.5 - 9.5	0.0	0.0	---	<11	3 JB	<11	<5	<5	<5	<5	<5	<5	<5	1 J	<11	ND	1 J	
SB-155	1/20/2004	7 - 8	0.0	0.0	---	<12	2 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	ND	ND	
<b>Former Test Pit AOC</b>																				
SB-15	8/28/2003	6 - 7	80.0	80.0	5 - 10	59 B	8 B	18	<6	<6	<6	3 J	9	2 J	1 J	<6	<11	116 J	149	
SB-16	8/28/2003	6.5 - 7.5	15.0	15.0	5 - 10	10 JB	3 JB	<11	<6	<6	<6	<6	<6	<6	<6	<6	<11	12 J	12 J	
SB-17	8/28/2003	13 - 14	280	280	10 - 15	760 JB	320 JB	<1,100	<540	<540	<540	<540	12,000	<540	<540	<540	<540	2,200	3,300 J	17,500
SB-18	8/29/2003	10 - 15	NS	500	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-19	8/29/2003	13.5 - 14.5	>1000	>1000	10 - 15	50,000 J	72,000 B	<110,000	<55,000	<55,000	<55,000	<55,000	850,000	<55,000	<55,000	<55,000	70,000 J	ND	970,000	
SB-20	8/29/2003	4 - 5	9.5	9.5	0 - 5	28 B	8 B	<11	2 J	<6	<6	<6	<6	<6	<6	<6	<11	7 J	9 J	
SB-20	8/29/2003	11 - 12	20.0	20.0	10 - 15	56 B	10 B	<12	<6	<6	<6	<6	6	<6	<6	<6	<12	ND	6	
SB-21	9/2/2003	13 - 14	35.0	35.0	10 - 15	11 J	5 JB	<11	<5	<5	<5	<5	65	3 J	5 J	<5	<11	50 J	134	
SB-26	9/3/2003	9 - 10	4.5 <sup>(2)</sup>	>9,999	10 - 15	9 JB	4 JB	<11	<6	<6	<6	<6	14	<6	<6	<6	<11	20 J	34	
SB-27	9/3/2003	0 - 10	NS	30.0	0 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-28	9/3/2003	10 - 15	NS	>9999	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
<b>Former Solvent Line AOC</b>																				
SB-22	9/2/2003	6.5 - 7.5	100	100	5 - 10	61	<5	<11	<5	<5	<5	7	86	2 J	2 J	<5	53	590 J	801	
SB-22	9/2/2003	12.5 - 13.5	150	150	10 - 15	240 JB	270 B	<470	<240	<240	<240	<240	1,200	73 J	230 J	320	6,000	42,300 J	50,123	
SB-23	9/2/2003	10 - 15	NS	5,000	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-24	9/2/2003	5 - 15	NS	900	5 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-25	9/2/2003	7.5 - 10	1,600 <sup>(2)</sup>	1,700	10 - 15	<1,200	600 JB	<1200	<600	<600	<600	<600	250 J	<600	240 J	<600	23,000	77,600 J	101,090	
SB-29	9/3/2003	11 - 12	25.0	25.0	0 - 15	<12	5 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	ND	ND	
SB-30	9/3/2003	5 - 20	NS	>9,999	5 - 20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-37	9/5/2003	10 - 15	NS	1,500	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-38	9/5/2003	9 - 10	30.0 <sup>(2)</sup>	2,100	10 - 15	15	6 B	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	14 J	29	
SB-39	9/5/2003	0 - 5	NS	0.0	0 - 5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-40	9/8/2003	9 - 10	37.0	37.0	0 - 10	<12	3 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	13 J	13 J	
SB-41	9/8/2003	7.5 - 8.5	33.0 <sup>(2)</sup>	36.0	0 - 5	<13	4 JB	<13	<7	<7	<7	<7	<7	<7	<7	<7	<13	15 J	15 J	
SB-41A*	9/8/2003	20 - 25	33.0 <sup>(2)</sup>	36.0	0 - 5	<13	3 JB	<13	<6	<6	<6	<6	<6	<6	<6	<6	<13	ND	ND	
SB-59	9/10/2003	9 - 10	12.0 <sup>(2)</sup>	39.0	10 - 15	30	3 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	660 J	690	
SB-62	9/11/2003	10 - 15	NS	>9999	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-64	9/11/2003	5 - 10	NS	7,000	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-67	9/11/2003	10 - 15	NS	3,000	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-68	9/11/2003	4 - 5	126	126	0 - 5	48	3 JB	<11	<6	<6	<6	5 J	36	1 J	<6	<6	<11	101 J	191	
SB-68	9/11/2003	9 - 10	60.0	60.0	5 - 10	17	2 JB	<11	<6	<6	<6	<6	240 E	<6	<6	<6	<11	18 J	275	
SB-69	9/12/2003	10 - 15	NS	>9999	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-70	9/12/2003	10 - 15	NS	400	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-71	9/12/2003	10 - 15	NS	>9999	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-72	9/12/2003	9 - 10	>9999	>9999	5 - 15	<120,000	75,000 B	<120,000	<61,000	<61,000	<61,000	<61,000	1,300,000	<61,000	<61,000	<61,000	120,000	ND	1,420,000	
NYSDEC soil clean-up Objective (TAGM #4046) - µg/kg						200	100	300	300	300	700	60	1,500	5,500		1,200	12,000	10,000	10,000	

**Table 4-1**  
**Summary of Soil Boring Field Screening and Analytical Data - Volatiles**  
**Former Norton/Nashua Facility**  
**Watervliet, New York**

Sample Designation	Sampling Date	Sample Depth (feet)	PID Reading		Max. PID Interval (feet)	Acetone (µg/kg)	Methylene chloride (µg/kg)	2-Butanone (MEK) (µg/kg)	Chloroform (µg/kg)	cis-1,2-DCE (µg/kg)	Trichloroethene (µg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethylbenzene (µg/kg)	m,p-Xylene (µg/kg)	o-Xylene (µg/kg)	Heptane (µg/kg)	Total VOC TICs (µg/kg)	Total VOCs (µg/kg)
			Sample (ppmv)	Max. (ppmv)															
<b>Former Solvent Line AOC (cont.)</b>																			
SB-73	9/12/2003	3.5 - 4.5	99.0	99.0	0 - 5	12 B	9 B	<11	<6	<6	<6	<6	7	<6	<6	<6	<11	16 J	23
SB-74	9/12/2003	10 - 15	NS	3,000	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-75	9/12/2003	3.5 - 4.5	31.0	31.0	0 - 5	46	4 JB	<12	<6	<6	<6	<6	38	<6	<6	<6	<12	ND	84
SB-75	9/12/2003	9 - 10	23.0	23.0	5 - 10	31	4 JB	18	<6	<6	<6	<6	2 J	<6	<6	<6	<12	230 JN	263
SB-76	9/12/2003	9 - 10	30.0	30.0	5 - 10	<11	3 JB	<11	<6	<6	<6	<6	<6	<6	<6	<6	<11	80 JN	80 JN
SB-86	9/16/2003	10 - 15	NS	1,500	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-87	9/16/2003	10 - 15	NS	>9,999	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-88	9/16/2003	5 - 10	NS	5,000	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-89	9/16/2003	10 - 15	NS	7,000	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-90	9/16/2003	10 - 15	NS	7,000	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-91	9/16/2003	9 - 10	25.0	25.0	0 - 10	<12	4 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	30 JN	30 JN
SB-92	9/16/2003	10 - 15	NS	900	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-93	9/17/2003	7 - 9	0.0	0.0	---	<11	3 JB	<11	<5	<5	<5	<5	<5	<5	<5	<5	<11	ND	ND
SB-93A*	9/17/2003	20 - 25	0.0	0.0	---	<11	3 JB	<11	<6	<6	<6	<6	<6	<6	<6	<6	<11	ND	ND
SB-98	9/17/2003	9 - 10	30.0	30.0	5 - 15	<12	3 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	ND	ND
SB-99	9/17/2003	9 - 10	30.0	30.0	5 - 10	<12	3 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	ND	ND
SB-107	9/19/2003	9 - 10	25.0	25.0	0 - 10	15 B	2 JB	<11	<6	<6	<6	<6	<6	<6	<6	<6	<11	ND	ND
SB-107A*	9/19/2003	20 - 25	25.0	25.0	0 - 10	16 B	2 JB	<11	<5	<5	<5	<5	<5	<5	<5	<5	<11	ND	ND
SB-114	11/24/2003	8 - 9	NM	NM	NM	<11	<6	<11	<6	<6	<6	<6	<6	<6	<6	<6	<11	ND	ND
SB-115	11/24/2003	8 - 9	NM	NM	NM	<11	<6	<11	<6	<6	<6	<6	<6	<6	<6	<6	<11	ND	ND
SB-120	11/25/2003	9 - 10	0.0 <sup>(1)</sup>	0.2	0 - 5	<15	<7	<15	<7	<7	<7	<7	<7	<7	<7	<7	<15	9 J	9 J
SB-120A*	11/25/2003	20 - 25	0.0 <sup>(1)</sup>	0.2	0 - 5	<12	<6	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	ND	ND
SB-123	11/26/2003	8.5 - 9.5	>9999	>9999	5 - 15	640 B	130 JB	<480	<240	<240	<240	52 J	8,900	180 J	560	<240	460 J	30,300 J	40,452
SB-124	11/26/2003	10 - 15	NS	200	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-125	11/26/2003	8.5 - 9.5	3.0 <sup>(2)</sup>	>9999	10 - 15	67 B	4 JB	<13	<6	<6	<6	<6	4 J	<6	<6	<6	<13	18 J	22 J
SB-126	11/26/2003	9 - 10	>9999	>9999	5 - 10	<49000	<25000	<49000	<25000	<25000	<25000	<25000	820,000	<25000	<25000	<25000	89,000	20,000 J	929,000
SB-144	1/19/2004	5 - 10	NS	1,100	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-145	1/19/2004	10 - 15	NS	190	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-146	1/19/2004	5 - 10	NS	2,500	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-157	1/21/2004	8 - 9	0.0	0.0	---	<12	2 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	10 J	10 J
<b>Former Tank Farm SWMU</b>																			
SB-31	9/4/2003	11 - 13	1,300	1,300	10 - 15	<12,000	2,700 JB	<12,000	<6,000	<6,000	<6,000	<6,000	97,000	<6,000	<6,000	<6,000	<12,000	ND	97,000
SB-32	9/4/2003	10 - 15	NS	>9999	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-33	9/4/2003	8 - 9	>9999	>9999	5 - 15	510 J	290 JB	<1200	<590	<590	<590	<590	410 J	<590	<590	<590	<1200	108,500 J	109,420 J
SB-34	9/5/2003	7 - 8	>5000	>5000	5 - 15	99	19 JB	<66	<33	<33	<33	<33	85	<33	<33	<33	210	230 J	624
SB-35	9/5/2003	10 - 15	NS	1,000	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-36	9/5/2003	7 - 8	20.0	20.0	5 - 10	13	8 B	<13	<6	<6	<6	<6	<6	<6	<6	<6	<13	10 J	23
SB-42	9/8/2003	8 - 9	57.0	57.0	5 - 10	27	5 JB	<11	<5	<5	<5	<5	<5	<5	<5	<5	<11	15 J	42
SB-61	9/10/2003	5 - 10	NS	4,000	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-77	9/12/2003	10 - 15	NS	>9999	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
<b>NYSDEC soil clean-up Objective (TAGM #4046) - µg/kg</b>						200	100	300	300	300	700	60	1,500	5,500	1,200	12,000	10,000	10,000	

**Table 4-1**  
**Summary of Soil Boring Field Screening and Analytical Data - Volatiles**  
**Former Norton/Nashua Facility**  
**Watervliet, New York**

Sample Designation	Sampling Date	Sample Depth (feet)	PID Reading		Max. PID Interval (feet)	Acetone (µg/kg)	Methylene chloride (µg/kg)	2-Butanone (MEK) (µg/kg)	Chloroform (µg/kg)	cis-1,2-DCE (µg/kg)	Trichloroethene (µg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethylbenzene (µg/kg)	m,p-Xylene (µg/kg)	o-Xylene (µg/kg)	Heptane (µg/kg)	Total VOC TICs (µg/kg)	Total VOCs (µg/kg)
			Sample (ppmv)	Max. (ppmv)															
<b>Former Tank Farm SWMU (cont.)</b>																			
SB-78	9/15/2003	8 - 9	0.0 <sup>(1)</sup>	0.2	0 - 5	<11	2 JB	<11	<5	<5	<5	<5	<5	<5	<5	<5	<11	ND	ND
SB-79	9/15/2003	5 - 10	NS	800	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-80	9/15/2003	5 - 10	NS	450	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-81	9/15/2003	9 - 10	16.0	16.0	5 - 10	<11	2 JB	<11	<5	<5	<5	<5	<5	<5	<5	<5	<11	ND	ND
SB-82	9/15/2003	9 - 10	1,100	1,100	5 - 10	78 B	25 JB	<57	<28	<28	<28	<28	<28	<28	<28	<28	<57	6,200 J	6,200
SB-83	9/15/2003	9 - 10	500	500	5 - 10	1,400 B	420 JB	<1,100	<560	<560	<560	<560	<560	<560	<560	<560	13,000	10,700 J	23,700 J
SB-84	9/15/2003	9 - 10	5.0 <sup>(1)</sup>	16.0	0 - 5	15 B	5 JB	<11	<6	<6	<6	<6	<6	<6	<6	<6	<11	ND	ND
SB-141	12/4/2003	14 - 15	70.0 <sup>(4)</sup>	1,300	5 - 10	<11	3 JB	<11	<5	<5	<5	<5	<5	<5	<5	<5	<11	32 J	32 J
SB-141	12/4/2003	14 - 15 (RE)	70.0 <sup>(4)</sup>	1,300	5 - 10	<11	9 B	<11	<5	<5	<5	<5	<5	<5	<5	<5	<11	13 J	13 J
SB-142	12/4/2003	10 - 12	>9999	>9999	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-156	1/20/2004	7 - 9	0.0	0.0	---	<12	2 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	9 J	9 J
<b>Sanitary Sewer AOC</b>																			
SB-138	12/3/2003	4 - 5	0.4	0.4	0 - 5	<12	5 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	18 J	18 J
SB-138	12/3/2003	7.7 - 8.5	80	80	5 - 10	<12	5 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	18 J	18 J
<b>Storm Sewer AOC</b>																			
SB-121	11/25/2003	8 - 9	0.0	0.0	---	12 JB	2 JB	<12	<6	<6	<6	<6	<6	<6	<6	<6	<12	8 J	8 J
SB-139	12/4/2003	4 - 5	0.8	0.8	0 - 5	<11	4 JB	<11	<6	<6	<6	<6	<6	<6	<6	<6	<11	9 J	9 J
SB-139A*	12/4/2003	20 - 25	0.8	0.8	0 - 5	<11	5 JB	<11	<6	<6	<6	<6	<6	<6	<6	<6	<11	9 J	9 J
Field Blank	9/15/2003	---	---	---	---	<10	10 B	<10	2 J	<5	<5	<5	<5	<5	<5	<5	<10	9 J	11 J
Field Blank	12/4/2003	---	---	---	---	<10	3 JB	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	5 J	5 J
Field Blank	1/22/2004	---	---	---	---	<10	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	7 J	7 J
Trip Blank	8/28/2003	---	---	---	---	15 B	3 JB	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	ND	ND
Trip Blank	8/29/2003	---	---	---	---	11 B	7 B	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	ND	ND
Trip Blank	9/5/2003	---	---	---	---	19	7 B	<10	1 J	<5	<5	<5	8	<5	<5	<5	<10	ND	28
Trip Blank	9/11/2003	---	---	---	---	9 J	3 JB	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	ND	9 J
Trip Blank	9/12/2003	---	---	---	---	21 B	2 JB	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	ND	ND
Trip Blank	9/12/2003	---	---	---	---	22 B	6 B	<10	1 J	<5	<5	<5	7	<5	<5	<5	<10	ND	8
Trip Blank	9/19/2003	---	---	---	---	13 B	4 JB	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	ND	ND
Trip Blank	9/19/2003	---	---	---	---	14 B	4 JB	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	ND	ND
Trip Blank	11/25/2003	---	---	---	---	<10	3 JB	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	ND	ND
Trip Blank	11/26/2003	---	---	---	---	9 JB	14 B	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	6 J	6 J
Trip Blank	12/3/2003	---	---	---	---	11 B	10 B	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	6 J	6 J
Trip Blank	12/5/2003	---	---	---	---	<10	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	5 J	5 J
Trip Blank	1/22/2004	---	---	---	---	<10	<5	<10	2 J	<5	<5	<5	<5	<5	<5	<5	<10	13 J	15 J
<b>NYSDEC soil clean-up Objective (TAGM #4046) - µg/kg</b>						200	100	300	300	300	700	60	1,500	5,500	1,200	12,000	10,000	10,000	

\* SB-14A, SB-41A, SB-93A, SB-107A, SB-112A, SB-120A, SB-139A, and SB-148A are duplicate samples.

<sup>(1)</sup> maximum PID detected in shallow fill below pavement/floor; <sup>(2)</sup> max. PID below water table; <sup>(3)</sup> max. PID restricted to wood fragment; <sup>(4)</sup> max. PID restricted to base of interval - insufficient volume for sampling

ppmv = parts per million by volume, µg/kg = micrograms per kilogram, PID = photoionization detector, MEK = methyl ethyl ketone, DCE = dichloroethene, TICs = tentatively identified compounds, VOCs = volatile organic compounds.

B = compound detected in blank, E = concentration exceeds the calibration range, J = estimated concentration; compound detected below the quantitation limit; N = presumptive evidence of a compound (TICs only), RE = laboratory replicate sample.

NA = not analyzed, ND = not detected, NM = not measured (equipment malfunction), NS = not sampled. Field Blanks were liquid samples; results are presented in micrograms per liter (µg/L).

VOCs analyzed via EPA Method 8260 plus heptane and TICs. Only detected analytes are listed above. A complete list of analytes is provided in the laboratory report.

B-qualified TICs not included in table. B-qualified analytes not included in Total VOCs.

**Table 4-2**  
**Summary of Soil Boring Analytical Data - Semi-Volatiles**  
**RCRA Facility Investigation (RFI)**  
**Former Norton/Nashua Facility**  
**Watervliet, New York**

Sample Designation	Sampling Date	Sample Depth (feet)	Phenol (µg/kg)	1,4-Dichloro benzene (µg/kg)	2-Methyl-phenol (µg/kg)	4-Methyl-phenol (µg/kg)	1,2,4 Trichloro-benzene (µg/kg)	Naphthalene (µg/kg)	2-Methyl naphthalene (µg/kg)	Acenaphthylene (µg/kg)	Acenaphthene (µg/kg)	Dibenzofuran (µg/kg)	Fluorene (µg/kg)	Phenanthrene (µg/kg)	Anthracene (µg/kg)	Carbazole (µg/kg)	
<b>Quonset Hut C AOC</b>																	
SB-1	8/26/2003	5 - 6	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	
SB-2	8/26/2003	11 - 12	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	
<b>Quonset Hut B AOC</b>																	
SB-10	8/27/2003	8 - 9	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<b>330 J</b>	<b>110 J</b>	<370
SB-11	8/27/2003	4 - 5	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<b>84 J</b>	<370	<370
SB-12	8/27/2003	7.5 - 8.5	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360
<b>Former Solvent Recovery Room AOC</b>																	
SB-3	8/26/2003	10 - 11	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380
SB-4	8/26/2003	9 - 10	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360
<b>Former Filter Room AOC</b>																	
SB-13	8/28/2003	9 - 10	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390
SB-14	8/28/2003	9 - 10	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370
SB-14A*	8/28/2003	20 - 25	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370
SB-140	12/4/2003	6 - 8	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370
<b>Former "Beartex" Sump Pit SWMU/Building #61 Doorway Spill AOC</b>																	
SB-5	8/26/2003	8 - 9	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380
SB-6	8/27/2003	9 - 10	<380	<380	<380	<380	<380	<b>210 J</b>	<b>260 J</b>	<b>77 J</b>	<b>120 J</b>	<b>160 J</b>	<b>130 J</b>	<b>1,700</b>	<b>730</b>	<b>180 J</b>	
SB-6	8/27/2003	10 - 11	<440	<440	<440	<440	<440	<b>96 J</b>	<b>87 J</b>	<440	<440	<b>46 J</b>	<b>47 J</b>	<b>480</b>	<b>210 J</b>	<440	
SB-7	8/27/2003	9 - 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-8	8/27/2003	9 - 10	<370	<370	<370	<370	<370	<370	<370	<370	<b>93 J</b>	<b>97 J</b>	<b>120 J</b>	<b>2,700</b>	<b>740</b>	<b>110 J</b>	
SB-8	8/27/2003	10 - 11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-9	8/27/2003	9 - 10	<390	<390	<390	<390	<390	<b>47 J</b>	<b>55 J</b>	<390	<390	<390	<390	<390	<b>160 J</b>	<b>64 J</b>	<390
SB-60	9/10/2003	9 - 10	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370
<b>Building #58 AOC</b>																	
SB-43	9/8/2003	9 - 10	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400
SB-44	9/8/2003	8 - 9	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430
SB-45	9/8/2003	9 - 10	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390
SB-46	9/8/2003	9 - 10	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400
SB-47	9/8/2003	NS	(boring refusal at 2 feet)				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-48	9/9/2003	8 - 9	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380
SB-49	9/9/2003	8.5 - 9.5	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410
SB-50	9/9/2003	8 - 9	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400
SB-51	9/9/2003	11.5 - 12.5	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410
SB-52	9/9/2003	6 - 7	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400
SB-53	9/9/2003	9 - 10	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400
SB-54	9/9/2003	9 - 10	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370
SB-55	9/10/2003	9 - 10	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360
SB-56	9/10/2003	8 - 8.5	<b>330 J</b>	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<b>51 J</b>	<370	<370
SB-57	9/10/2003	NS	(boring for cut-out water sample)				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-58	9/10/2003	NS	(boring for cut-out water sample)				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-63	9/11/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-65	9/11/2003	5 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-66	9/11/2003	9 - 12	<1100	<1100	<1100	<1100	<1100	<1100	<1100	<1100	<1100	<1100	<1100	<1100	<1100	<1100	<1100
<b>NYSDEC soil clean-up objective</b>			30	8,500	100	900	3,400	13,000	36,400	41,000	50,000	6,200	50,000	50,000	50,000	50,000	

**Table 4-2  
Summary of Soil Boring Analytical Data - Semi-Volatiles  
RCRA Facility Investigation (RFI)  
Former Norton/Nashua Facility  
Watervliet, New York**

Sample Designation	Sampling Date	Sample Depth (feet)	Phenol (µg/kg)	1,4-Dichloro benzene (µg/kg)	2-Methyl-phenol (µg/kg)	4-Methyl-phenol (µg/kg)	1,2,4 Trichloro-benzene (µg/kg)	Naphthalene (µg/kg)	2-Methyl naphthalene (µg/kg)	Acenaphthylene (µg/kg)	Acenaphthene (µg/kg)	Dibenzo-furan (µg/kg)	Fluorene (µg/kg)	Phenanthrene (µg/kg)	Anthracene (µg/kg)	Carbazole (µg/kg)
<b>Building #58 AOC (cont.)</b>																
SB-85	9/16/2003	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-94	9/17/2003	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-95	9/17/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-96	9/17/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-97	9/17/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-100	9/18/2003	9 - 11	<380	<380	<b>240 J</b>	<b>210 J</b>	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380
SB-101	9/18/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-102	9/18/2003	4 - 5	<370	<b>39 J</b>	<370	<370	<370	<370	<370	<370	<370	<370	<370	<b>510</b>	<b>47 J</b>	<370
SB-102	9/18/2003	9 - 10	<400	<b>82 J</b>	<b>310 J</b>	<b>260 J</b>	<b>300 J</b>	<b>63 J</b>	<b>56 J</b>	<400	<400	<400	<400	<b>96 J</b>	<400	<400
SB-103	9/18/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-104	9/18/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-105	9/18/2003	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-106	9/18/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-108	9/19/2003	0 - 5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-109	9/19/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-110	9/19/2003	8 - 9	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400
SB-111	9/19/2003	7 - 8	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370
SB-112	9/19/2003	8 - 9	<560	<560	<560	<560	<560	<560	<560	<560	<560	<560	<560	<560	<560	<560
SB-112	9/19/2003	8 - 9 (RE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-112A*	9/19/2003	20 - 25	<810	<810	<810	<810	<810	<810	<810	<810	<810	<810	<810	<810	<810	<810
SB-113	11/24/2003	3 - 4	<380	<380	<380	<380	<380	<b>150 J</b>	<b>280 J</b>	<b>58 J</b>	<b>240 J</b>	<b>170 J</b>	<b>200 J</b>	<b>3,500</b>	<b>1,500</b>	<b>260 J</b>
SB-113 (RE)	11/24/2003	3 - 4 (RE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-113	11/24/2003	9 - 10	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420
SB-116	11/24/2003	8.5 - 9.5	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380
SB-117	11/24/2003	8 - 9	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420
SB-118	11/24/2003	8.5 - 9.5	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370
SB-119	11/24/2003	8 - 9	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430
SB-122	11/25/2003	8.5 - 9.5	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430
SB-127	11/26/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-143	12/5/2003	NS	(boring for well MW-17)			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-147	1/19/2004	9 - 10	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390
SB-148	1/19/2004	7 - 9	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<b>43 J</b>	<370	<370
SB-148A*	1/19/2004	20 - 25	<410	<410	<410	<410	<410	<b>270 J</b>	<b>140 J</b>	<b>140 J</b>	<b>270 J</b>	<b>190 J</b>	<b>340 J</b>	<b>4,300</b>	<b>1,700</b>	<b>260 J</b>
SB-149	1/20/2004	6 - 7	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<b>130 J</b>	<b>41 J</b>	<390
SB-150	1/20/2004	7 - 8	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370
SB-151	1/20/2004	9 - 10	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370
SB-152	1/20/2004	6.5 - 7.5	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360
SB-153	1/20/2004	8 - 9	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400
SB-154	1/20/2004	8.5 - 9.5	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360
SB-155	1/20/2004	7 - 8	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400
<b>NYSDEC soil clean-up objective</b>			30	8,500	100	900	3,400	13,000	36,400	41,000	50,000	6,200	50,000	50,000	50,000	50,000

**Table 4-2**  
**Summary of Soil Boring Analytical Data - Semi-Volatiles**  
**RCRA Facility Investigation (RFI)**  
**Former Norton/Nashua Facility**  
**Watervliet, New York**

Sample Designation	Sampling Date	Sample Depth (feet)	Phenol (µg/kg)	1,4-Dichloro benzene (µg/kg)	2-Methyl-phenol (µg/kg)	4-Methyl-phenol (µg/kg)	1,2,4 Trichloro-benzene (µg/kg)	Naphthalene (µg/kg)	2-Methyl naphthalene (µg/kg)	Acenaphthylene (µg/kg)	Acenaphthene (µg/kg)	Dibenzofuran (µg/kg)	Fluorene (µg/kg)	Phenanthrene (µg/kg)	Anthracene (µg/kg)	Carbazole (µg/kg)
<b>Former Test Pit AOC</b>																
SB-15	8/28/2003	6 - 7	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370
SB-16	8/28/2003	6.5 - 7.5	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380
SB-17	8/28/2003	13 - 14	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360
SB-18	8/29/03	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-19	8/29/2003	13.5 - 14.5	<370	<370	<b>350 J</b>	<b>330 J</b>	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370
SB-20	8/29/2003	4 - 5	<380	<380	<380	<380	<380	<380	<380	<380	<b>59 J</b>	<380	<b>55 J</b>	<b>980</b>	<b>380</b>	<380
SB-20	8/29/2003	11 - 12	<410	<410	<410	<410	<410	<410	<410	<b>53 J</b>	<410	<410	<410	<b>160 J</b>	<b>110 J</b>	<410
SB-21	9/2/2003	13 - 14	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360
SB-26	9/3/2003	9 - 10	<380	<380	<380	<380	<380	<b>140 J</b>	<b>200 J</b>	<b>57 J</b>	<b>70 J</b>	<b>100 J</b>	<b>58 J</b>	<b>1,900</b>	<b>710</b>	<b>250 J</b>
SB-27	9/3/2003	0 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-28	9/3/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
<b>Former Solvent Line AOC</b>																
SB-22	9/2/2003	6.5 - 7.5	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360
SB-22	9/2/2003	12.5 - 13.5	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<b>160 J</b>	<b>60 J</b>	<390
SB-23	9/2/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-24	9/2/2003	5 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-25	9/2/2003	7.5 - 10	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400
SB-29	9/3/2003	11 - 12	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420
SB-30	9/3/2003	5 - 20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-37	9/5/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-38	9/5/2003	9 - 10	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400
SB-39	9/5/2003	0 - 5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-40	9/8/2003	9 - 10	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410
SB-41	9/8/2003	7.5 - 8.5	<440	<440	<440	<440	<440	<440	<440	<440	<440	<440	<440	<440	<440	<440
SB-41A*	9/8/2003	20 - 25	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420
SB-59	9/10/2003	9 - 10	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420
SB-62	9/11/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-64	9/11/2003	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-67	9/11/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-68	9/11/2003	4 - 5	<370	<370	<370	<370	<370	<b>47 J</b>	<b>40 J</b>	<b>61 J</b>	<b>72 J</b>	<370	<b>66 J</b>	<b>1,300</b>	<b>190 J</b>	<b>53 J</b>
SB-68	9/11/2003	9 - 10	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380
SB-69	9/12/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-70	9/12/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-71	9/12/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-72	9/12/2003	9 - 10	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410
SB-73	9/12/2003	3.5 - 4.5	<370	<370	<370	<370	<370	<370	<370	<b>46 J</b>	<370	<370	<370	<b>340 J</b>	<b>47 J</b>	<370
<b>NYSDEC soil clean-up objective</b>			30	8,500	100	900	3,400	13,000	36,400	41,000	50,000	6,200	50,000	50,000	50,000	50,000



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**RCRA Facility Investigation (RFI)**  
**Former Norton/Nashua Facility**  
**Watervliet, New York**

Sample Designation	Sampling Date	Sample Depth (feet)	Phenol (µg/kg)	1,4-Dichloro benzene (µg/kg)	2-Methyl-phenol (µg/kg)	4-Methyl-phenol (µg/kg)	1,2,4 Trichloro-benzene (µg/kg)	Naphthalene (µg/kg)	2-Methyl naphthalene (µg/kg)	Acenaphthylene (µg/kg)	Acenaphthene (µg/kg)	Dibenzofuran (µg/kg)	Fluorene (µg/kg)	Phenanthrene (µg/kg)	Anthracene (µg/kg)	Carbazole (µg/kg)
<b>Former Solvent Line AOC (cont.)</b>																
SB-74	9/12/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-75	9/12/2003	3.5 - 4.5	<380	<380	<380	<380	<380	<b>39 J</b>	<b>62 J</b>	<380	<380	<380	<380	<b>180 J</b>	<b>63 J</b>	<380
SB-75	9/12/2003	9 - 10	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400
SB-76	9/12/2003	9 - 10	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370
SB-86	9/16/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-87	9/16/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-88	9/16/2003	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-89	9/16/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-90	9/16/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-91	9/16/2003	9 - 10	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410
SB-92	9/16/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-93	9/17/2003	7 - 9	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370
SB-93A*	9/17/2003	20 - 25	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370
SB-98	9/17/2003	9 - 10	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400
SB-99	9/17/2003	9 - 10	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410
SB-107	9/19/2003	9 - 10	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370
SB-107A*	9/19/2003	20 - 25	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370
SB-114	11/24/2003	8 - 9	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370
SB-115	11/24/2003	8 - 9	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370
SB-120	11/25/2003	9 - 10	<490	<490	<490	<490	<490	<490	<490	<490	<490	<490	<490	<490	<490	<490
SB-120A*	11/25/2003	20 - 25	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400
SB-123	11/26/2003	8.5 - 9.5	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400
SB-124	11/26/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-125	11/26/2003	8.5 - 9.5	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430
SB-126	11/26/2003	9 - 10	<410	<410	<b>1,100</b>	<b>1,100</b>	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410
SB-144	1/19/2004	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-145	1/19/2004	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-146	1/19/2004	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-157	1/21/2004	8 - 9	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400
<b>NYSDEC soil clean-up objective</b>			30	8,500	100	900	3,400	13,000	36,400	41,000	50,000	6,200	50,000	50,000	50,000	50,000

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**RCRA Facility Investigation (RFI)**  
**Former Norton/Nashua Facility**  
**Watervliet, New York**

Sample Designation	Sampling Date	Sample Depth (feet)	Phenol (µg/kg)	1,4-Dichloro benzene (µg/kg)	2-Methyl-phenol (µg/kg)	4-Methyl-phenol (µg/kg)	1,2,4 Trichloro-benzene (µg/kg)	Naphthalene (µg/kg)	2-Methyl naphthalene (µg/kg)	Acenaphthylene (µg/kg)	Acenaphthene (µg/kg)	Dibenzofuran (µg/kg)	Fluorene (µg/kg)	Phenanthrene (µg/kg)	Anthracene (µg/kg)	Carbazole (µg/kg)
<b>Former Tank Farm SWMU</b>																
SB-31	9/4/2003	11 - 13	<400	<400	<b>120 J</b>	<b>82 J</b>	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400
SB-32	9/4/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-33	9/4/2003	8 - 9	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390
SB-34	9/5/2003	7 - 8	<440	<440	<440	<440	<440	<440	<440	<440	<440	<440	<440	<440	<440	<440
SB-35	9/5/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-36	9/5/2003	7 - 8	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430
SB-42	9/8/2003	8 - 9	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360
SB-61	9/10/2003	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-77	9/12/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-78	9/15/2003	8 - 9	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360
SB-79	9/15/2003	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-80	9/15/2003	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-81	9/15/2003	9 - 10	<360	<360	<360	<360	<360	<360	<360	<360	<360	<b>100 J</b>	<360	<360	<360	<360
SB-82	9/15/2003	9 - 10	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380
SB-83	9/15/2003	9 - 10	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370
SB-84	9/15/2003	8 - 9	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370
SB-141	12/4/2003	14 - 15	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360
SB-141	12/4/2003	14 - 15 (RE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-142	12/4/2003	10 - 12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-156	1/20/2004	7 - 9	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<b>170 J</b>	<b>73 J</b>	<410
<b>Sanitary Sewer AOC</b>																
SB-138	12/3/2003	4 - 5	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<b>110 J</b>	<b>44 J</b>	<400
SB-138	12/3/2003	7.7 - 8.5	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<b>120 J</b>	<b>52 J</b>	<400
SB-138	12/4/2003	8.5 - 8.8	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<b>55 J</b>	<400	<400
<b>Storm Sewer AOC</b>																
SB-121	11/25/2003	8 - 9	<400	<400	<400	<400	<400	<b>72 J</b>	<b>59 J</b>	<400	<b>54 J</b>	<b>40 J</b>	<b>46 J</b>	<b>920</b>	<b>360 J</b>	<b>66 J</b>
SB-139	12/4/2003	4 - 5	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<b>250 J</b>	<380	<380
SB-139A*	12/4/2003	20 - 25	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<b>180 J</b>	<b>73 J</b>	<370
Field Blank	9/15/2003	---	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Field Blank	12/4/2003	---	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Field Blank	1/22/2004	---	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
<b>NYSDEC soil clean-up objective</b>			30	8,500	100	900	3,400	13,000	36,400	41,000	50,000	6,200	50,000	50,000	50,000	50,000

**Table 4-2**  
**Summary of Soil Boring Analytical Data - Semi-Volatiles**  
**RCRA Facility Investigation (RFI)**  
**Former Norton/Nashua Facility**  
**Watervliet, New York**

Sample Designation	Sampling Date	Sample Depth (feet)	Di-n-Butyl Phthalate (µg/kg)	Fluor-anthene (µg/kg)	Pyrene (µg/kg)	Benzo(a) anthracene (µg/kg)	Chrysene (µg/kg)	Bis-(2-ethyl-hexyl)phthalate (µg/kg)	Benzo(b) fluoranthene (µg/kg)	Benzo(k) fluoranthene (µg/kg)	Benzo(a) pyrene (µg/kg)	Indeno(1,2,3-cd)pyrene (µg/kg)	Dibenzo (a,h) anthracene (µg/kg)	Benzo(g,h,i) perylene (µg/kg)	Total SVOC TICs (µg/kg)	Total SVOCs (µg/kg)
<b>Quonset Hut C AOC</b>																
SB-1	8/26/2003	5 - 6	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	ND	ND
SB-2	8/26/2003	11 - 12	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	ND	ND
<b>Quonset Hut B AOC</b>																
SB-10	8/27/2003	8 - 9	<370	<b>380</b>	<b>490</b>	<b>130 J</b>	<b>150 J</b>	<370	<b>110 J</b>	<b>120 J</b>	<b>150 J</b>	<b>120 J</b>	<370	<b>140 J</b>	ND	<b>1,790</b>
SB-11	8/27/2003	4 - 5	<370	<b>120 J</b>	<b>140 J</b>	<b>71 J</b>	<b>90 J</b>	<370	<b>83 J</b>	<b>73 J</b>	<b>71 J</b>	<b>61 J</b>	<370	<b>58 J</b>	<b>3,400 J</b>	<b>4,167</b>
SB-12	8/27/2003	7.5 - 8.5	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	ND	ND
<b>Former Solvent Recovery Room AOC</b>																
SB-3	8/26/2003	10 - 11	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<b>400 JN</b>	<b>400 JN</b>
SB-4	8/26/2003	9 - 10	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	ND	ND
<b>Former Filter Room AOC</b>																
SB-13	8/28/2003	9 - 10	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<390	<b>2,200 JN</b>	<b>2,200 JN</b>
SB-14	8/28/2003	9 - 10	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<b>200 J</b>	<b>200 J</b>
SB-14A*	8/28/2003	20 - 25	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	ND	ND
SB-140	12/4/2003	6 - 8	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	ND	ND
<b>Former "Beartex" Sump Pit SWMU/Building #61 Doorway Spill AOC</b>																
SB-5	8/26/2003	8 - 9	<380	<b>47 J</b>	<b>47 J</b>	<380	<380	<380	<380	<380	<380	<380	<380	<380	ND	<b>94 J</b>
SB-6	8/27/2003	9 - 10	<380	<b>2,400</b>	<b>2,000</b>	<b>1,200</b>	<b>1,200</b>	<380	<b>1,000</b>	<b>840</b>	<b>1,100</b>	<b>890</b>	<b>140 J</b>	<b>800</b>	<b>5,600 JN</b>	<b>17,170</b>
SB-6	8/27/2003	10 - 11	<440	<b>830</b>	<b>690</b>	<b>880</b>	<b>860</b>	<440	<b>860</b>	<b>530</b>	<b>1,400</b>	<b>790</b>	<b>930</b>	<b>1,200</b>	<b>7,200 J</b>	<b>16,170</b>
SB-7	8/27/2003	9 - 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-8	8/27/2003	9 - 10	<370	<b>4,600</b>	<b>3,900</b>	<b>2,500</b>	<b>2,400</b>	<370	<b>1,800</b>	<b>1,700</b>	<b>2,100</b>	<b>1,500</b>	<b>260 J</b>	<b>1,200</b>	<b>8,700 JN</b>	<b>30,660</b>
SB-8	8/27/2003	10 - 11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-9	8/27/2003	9 - 10	<390	<b>250 J</b>	<b>220 J</b>	<b>170 J</b>	<b>180 J</b>	<390	<b>170 J</b>	<b>160 J</b>	<b>190 J</b>	<b>170 J</b>	<390	<b>160 J</b>	<b>5,500 J</b>	<b>7,170</b>
SB-60	9/10/2003	9 - 10	<370	<370	<370	<370	<370	<b>40 J</b>	<370	<370	<370	<370	<370	<370	ND	<b>40 J</b>
<b>Building #58 AOC</b>																
SB-43	9/8/2003	9 - 10	<400	<400	<400	<400	<400	<b>44 J</b>	<400	<400	<400	<400	<400	<400	<b>4,000 J</b>	<b>4,044 J</b>
SB-44	9/8/2003	8 - 9	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	ND	ND
SB-45	9/8/2003	9 - 10	<390	<390	<390	<390	<390	<b>63 J</b>	<390	<390	<390	<390	<390	<390	<b>300 J</b>	<b>363 J</b>
SB-46	9/8/2003	9 - 10	<400	<400	<400	<400	<400	<b>41 J</b>	<400	<400	<400	<400	<400	<400	<b>2,200 J</b>	<b>2,241 J</b>
SB-47	9/8/2003	NS	(boring refusal at 2 feet)				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-48	9/9/2003	8 - 9	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	ND	ND
SB-49	9/9/2003	8.5 - 9.5	<410	<410	<410	<410	<410	<b>52 J</b>	<410	<410	<410	<410	<410	<410	<b>1,600 J</b>	<b>1,652 J</b>
SB-50	9/9/2003	8 - 9	<400	<400	<400	<400	<400	<b>45 J</b>	<400	<400	<400	<400	<400	<400	<b>600 J</b>	<b>645 J</b>
SB-51	9/9/2003	11.5 - 12.5	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<b>600 J</b>	<b>600 J</b>
SB-52	9/9/2003	6 - 7	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	ND	ND
SB-53	9/9/2003	9 - 10	<400	<400	<400	<400	<400	<b>56 J</b>	<400	<400	<400	<400	<400	<400	ND	<b>56 J</b>
SB-54	9/9/2003	9 - 10	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	ND	ND
SB-55	9/10/2003	9 - 10	<360	<360	<360	<360	<360	<b>37 J</b>	<360	<360	<360	<360	<360	<360	<b>1,500 J</b>	<b>1,537 J</b>
SB-56	9/10/2003	8 - 8.5	<370	<b>95 J</b>	<b>63 J</b>	<b>45 J</b>	<b>44 J</b>	<b>72 J</b>	<370	<370	<370	<370	<370	<b>40 J</b>	<b>55,000 JN</b>	<b>55,359 J</b>
SB-57	9/10/2003	NS	(boring for cut-out water sample)				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-58	9/10/2003	NS	(boring for cut-out water sample)				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-63	9/11/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-65	9/11/2003	5 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-66	9/11/2003	9 - 12	<1100	<1100	<1100	<1100	<1100	<1100	<1100	<1100	<1100	<1100	<1100	<1100	<b>62,000 JN</b>	<b>62,000 JN</b>
<b>NYSDEC soil clean-up objective</b>			8,100	50,000	50,000	224	400	50,000	1,100	1,100	61	3,200	14	50,000	500,000	500,000

**Table 4-2**  
**Summary of Soil Boring Analytical Data - Semi-Volatiles**  
**RCRA Facility Investigation (RFI)**  
**Former Norton/Nashua Facility**  
**Watervliet, New York**

Sample Designation	Sampling Date	Sample Depth (feet)	Di-n-Butyl Phthalate (µg/kg)	Fluor-anthene (µg/kg)	Pyrene (µg/kg)	Benzo(a) anthracene (µg/kg)	Chrysene (µg/kg)	Bis-(2-ethyl-hexyl)phthalate (µg/kg)	Benzo(b) fluoranthene (µg/kg)	Benzo(k) fluoranthene (µg/kg)	Benzo(a) pyrene (µg/kg)	Indeno(1,2,3-cd)pyrene (µg/kg)	Dibenzo (a,h) anthracene (µg/kg)	Benzo(g,h,i) perylene (µg/kg)	Total SVOC TICs (µg/kg)	Total SVOCs (µg/kg)
<b>Building #58 AOC (cont.)</b>																
SB-85	9/16/2003	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-94	9/17/2003	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-95	9/17/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-96	9/17/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-97	9/17/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-100	9/18/2003	9 - 11	<380	<380	<380	<380	<380	<b>47 BJ</b>	<380	<380	<380	<380	<380	<380	ND	ND
SB-101	9/18/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-102	9/18/2003	4 - 5	<370	<b>650</b>	<b>790</b>	<b>220 J</b>	<b>270 J</b>	<b>68 BJ</b>	<b>210 J</b>	<b>160 J</b>	<b>280 J</b>	<370	<370	<b>280 J</b>	<b>4,100 JN</b>	<b>6,960</b>
SB-102	9/18/2003	9 - 10	<400	<b>79 J</b>	<b>76 J</b>	<b>41 J</b>	<b>43 J</b>	<b>66 BJ</b>	<400	<400	<400	<400	<400	<400	<b>3,800 JN</b>	<b>4039 J</b>
SB-103	9/18/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-104	9/18/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-105	9/18/2003	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-106	9/18/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-108	9/19/2003	0 - 5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-109	9/19/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-110	9/19/2003	8 - 9	<400	<400	<400	<400	<400	<b>53 BJ</b>	<400	<400	<b>310 J</b>	<400	<400	<400	<b>1,100 J</b>	<b>1,410 J</b>
SB-111	9/19/2003	7 - 8	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	ND	ND
SB-112	9/19/2003	8 - 9	<560	<560	<560	<560	<560	<b>140 BJ</b>	<560	<560	<560	<560	<560	<560	<b>24,500 JN</b>	<b>24,500 JN</b>
SB-112	9/19/2003	8 - 9 (RE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-112A*	9/19/2003	20 - 25	<810	<810	<810	<810	<810	<810	<810	<810	<810	<810	<810	<810	<b>41,000 JN</b>	<b>41,000 JN</b>
SB-113	11/24/2003	3 - 4	<380	<b>5,400</b>	<b>4,800</b>	<b>3,500</b>	<b>3,700</b>	<b>180 BJ</b>	<b>3,300</b>	<b>2,400</b>	<b>3,500</b>	<b>3,400</b>	<b>790</b>	<b>2,600</b>	<b>30,000 J</b>	<b>63,390</b>
SB-113 (RE)	11/24/2003	3 - 4 (RE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-113	11/24/2003	9 - 10	<420	<420	<420	<420	<420	<b>190 BJ</b>	<420	<420	<420	<420	<420	<420	ND	ND
SB-116	11/24/2003	8.5 - 9.5	<380	<380	<380	<380	<380	<b>110 BJ</b>	<380	<380	<380	<380	<380	<380	ND	ND
SB-117	11/24/2003	8 - 9	<420	<420	<420	<420	<420	<b>95 BJ</b>	<420	<420	<420	<420	<420	<420	ND	ND
SB-118	11/24/2003	8.5 - 9.5	<370	<370	<370	<370	<370	<b>92 BJ</b>	<370	<370	<370	<370	<370	<370	ND	ND
SB-119	11/24/2003	8 - 9	<430	<430	<430	<430	<430	<b>86 BJ</b>	<430	<430	<430	<430	<430	<430	ND	ND
SB-122	11/25/2003	8.5 - 9.5	<430	<430	<430	<430	<430	<b>560 B</b>	<430	<430	<430	<430	<430	<430	ND	ND
SB-127	11/26/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-143	12/5/2003	NS	(boring for well MW-17)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-147	1/19/2004	9 - 10	<390	<b>63 J</b>	<b>77 J</b>	<b>67 J</b>	<b>69 J</b>	<390	<b>50 J</b>	<b>71 J</b>	<b>81 J</b>	<b>61 J</b>	<390	<b>52 J</b>	ND	<b>591 J</b>
SB-148	1/19/2004	7 - 9	<370	<b>49 J</b>	<b>51 J</b>	<370	<370	<370	<370	<370	<370	<370	<370	<370	ND	<b>100 J</b>
SB-148A*	1/19/2004	20 - 25	<410	<b>4,800</b>	<b>4,800</b>	<b>1,800</b>	<b>1,900</b>	<410	<b>1,200</b>	<b>1,400</b>	<b>1,800</b>	<b>1,400</b>	<410	<b>1,400</b>	<b>6,400 JN</b>	<b>26,900</b>
SB-149	1/20/2004	6 - 7	<390	<b>250 J</b>	<b>370 J</b>	<b>99 J</b>	<b>120 J</b>	<390	<b>60 J</b>	<b>84 J</b>	<b>95 J</b>	<b>69 J</b>	<390	<b>110 J</b>	ND	<b>1,257 J</b>
SB-150	1/20/2004	7 - 8	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	ND	ND
SB-151	1/20/2004	9 - 10	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	ND	ND
SB-152	1/20/2004	6.5 - 7.5	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	ND	ND
SB-153	1/20/2004	8 - 9	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<b>700 J</b>	<b>700 J</b>
SB-154	1/20/2004	8.5 - 9.5	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	ND	ND
SB-155	1/20/2004	7 - 8	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	ND	ND
<b>NYSDEC soil clean-up objective</b>			8,100	50,000	50,000	224	400	50,000	1,100	1,100	61	3,200	14	50,000	500,000	500,000

**Table 4-2**  
**Summary of Soil Boring Analytical Data - Semi-Volatiles**  
**RCRA Facility Investigation (RFI)**  
**Former Norton/Nashua Facility**  
**Watervliet, New York**

Sample Designation	Sampling Date	Sample Depth (feet)	Di-n-Butyl Phthalate (µg/kg)	Fluor-anthene (µg/kg)	Pyrene (µg/kg)	Benzo(a) anthracene (µg/kg)	Chrysene (µg/kg)	Bis-(2-ethyl-hexyl)phthalate (µg/kg)	Benzo(b) fluoranthene (µg/kg)	Benzo(k) fluoranthene (µg/kg)	Benzo(a) pyrene (µg/kg)	Indeno(1,2,3-cd)pyrene (µg/kg)	Dibenzo (a,h) anthracene (µg/kg)	Benzo(g,h,i) perylene (µg/kg)	Total SVOC TICs (µg/kg)	Total SVOCs (µg/kg)
<b>Former Test Pit AOC</b>																
SB-15	8/28/2003	6 - 7	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	1,000 J	1,000 J
SB-16	8/28/2003	6.5 - 7.5	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	ND	ND
SB-17	8/28/2003	13 - 14	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	2,000 J	2,000 J
SB-18	8/29/03	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-19	8/29/2003	13.5 - 14.5	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	700 J	700 J
SB-20	8/29/2003	4 - 5	<380	1,100	1,200	470	530	<380	270 J	350 J	400	280 J	<380	290 J	2,900 JN	7,790
SB-20	8/29/2003	11 - 12	<410	860	990	950	1,100	<410	850	750	800	510	75 J	420	3,400 JN	10,705
SB-21	9/2/2003	13 - 14	<360	<360	<360	<360	<360	45 BJ	<360	<360	<360	<360	<360	<360	200 J	200 J
SB-26	9/3/2003	9 - 10	<380	3,400	2,600	1,700	1,900	<380	1,600	1,200	1,600	1,400	300 J	1,400	5,300 JN	22,400
SB-27	9/3/2003	0 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-28	9/3/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
<b>Former Solvent Line AOC</b>																
SB-22	9/2/2003	6.5 - 7.5	<360	<360	<360	<360	<360	52 J	<360	<360	<360	<360	<360	<360	2,800 J	2,852 J
SB-22	9/2/2003	12.5 - 13.5	44 J	150 J	160 J	70 J	78 J	<390	58 J	59 J	76 J	52 J	<390	62 J	2,000 J	2,809 J
SB-23	9/2/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-24	9/2/2003	5 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-25	9/2/2003	7.5 - 10	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	2,000 J	2,000 J
SB-29	9/3/2003	11 - 12	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	ND	ND
SB-30	9/3/2003	5 - 20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-37	9/5/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-38	9/5/2003	9 - 10	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	ND	ND
SB-39	9/5/2003	0 - 5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-40	9/8/2003	9 - 10	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	ND	ND
SB-41	9/8/2003	7.5 - 8.5	<440	<440	<440	<440	<440	<440	<440	<440	<440	<440	<440	<440	ND	ND
SB-41A*	9/8/2003	20 - 25	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	ND	ND
SB-59	9/10/2003	9 - 10	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420	500 J	500 J
SB-62	9/11/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-64	9/11/2003	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-67	9/11/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-68	9/11/2003	4 - 5	<370	1,900	1,600	810	900	60 J	640	600	880	710	79 J	730	2,500 J	11,409
SB-68	9/11/2003	9 - 10	<380	<380	<380	<380	<380	46 J	<380	<380	<380	<380	<380	<380	ND	46 J
SB-69	9/12/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-70	9/12/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-71	9/12/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-72	9/12/2003	9 - 10	<410	<410	<410	<410	<410	51 J	<410	<410	<410	<410	<410	<410	ND	51 J
SB-73	9/12/2003	3.5 - 4.5	<370	510	560	230 J	240 J	<370	150 J	150 J	240 J	160 J	<370	200 J	ND	2,440
NYSDEC soil clean-up objective			8,100	50,000	50,000	224	400	50,000	1,100	1,100	61	3,200	14	50,000	500,000	500,000

**Table 4-2**  
**Summary of Soil Boring Analytical Data - Semi-Volatiles**  
**RCRA Facility Investigation (RFI)**  
**Former Norton/Nashua Facility**  
**Watervliet, New York**

Sample Designation	Sampling Date	Sample Depth (feet)	Di-n-Butyl Phthalate (µg/kg)	Fluor-anthene (µg/kg)	Pyrene (µg/kg)	Benzo(a) anthracene (µg/kg)	Chrysene (µg/kg)	Bis-(2-ethyl-hexyl)phthalate (µg/kg)	Benzo(b) fluoranthene (µg/kg)	Benzo(k) fluoranthene (µg/kg)	Benzo(a) pyrene (µg/kg)	Indeno(1,2,3-cd)pyrene (µg/kg)	Dibenzo (a,h) anthracene (µg/kg)	Benzo(g,h,i) perylene (µg/kg)	Total SVOC TICs (µg/kg)	Total SVOCs (µg/kg)	
<b>Former Solvent Line AOC (cont.)</b>																	
SB-74	9/12/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-75	9/12/2003	3.5 - 4.5	<380	<b>240 J</b>	<b>230 J</b>	<b>110 J</b>	<b>130 J</b>	<b>76 J</b>	<b>84 J</b>	<b>92 J</b>	<b>97 J</b>	<b>95 J</b>	<380	<b>99 J</b>	<b>200 J</b>	<b>1,453 J</b>	
SB-75	9/12/2003	9 - 10	<400	<400	<400	<400	<400	<b>49 J</b>	<400	<400	<400	<400	<400	<400	ND	<b>49 J</b>	
SB-76	9/12/2003	9 - 10	<370	<370	<370	<370	<370	<b>68 J</b>	<370	<370	<370	<370	<370	<370	ND	<b>68 J</b>	
SB-86	9/16/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-87	9/16/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-88	9/16/2003	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-89	9/16/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-90	9/16/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-91	9/16/2003	9 - 10	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	ND	ND	
SB-92	9/16/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-93	9/17/2003	7 - 9	<370	<370	<370	<370	<370	<b>42 BJ</b>	<370	<370	<370	<370	<370	<370	ND	ND	
SB-93A*	9/17/2003	20 - 25	<370	<370	<370	<370	<370	<b>58 BJ</b>	<370	<370	<370	<370	<370	<370	ND	ND	
SB-98	9/17/2003	9 - 10	<400	<400	<400	<400	<400	<b>46 BJ</b>	<400	<400	<400	<400	<400	<400	ND	ND	
SB-99	9/17/2003	9 - 10	<410	<410	<410	<410	<410	<b>70 BJ</b>	<410	<410	<410	<410	<410	<410	ND	ND	
SB-107	9/19/2003	9 - 10	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	<370	ND	ND	
SB-107A*	9/19/2003	20 - 25	<370	<370	<370	<370	<370	<b>39 BJ</b>	<370	<370	<370	<370	<370	<370	<370	<b>600 J</b>	<b>600 J</b>
SB-114	11/24/2003	8 - 9	<370	<370	<370	<370	<370	<b>110 BJ</b>	<370	<370	<370	<370	<370	<370	ND	ND	
SB-115	11/24/2003	8 - 9	<370	<370	<370	<370	<370	<b>57 BJ</b>	<370	<370	<370	<370	<370	<370	ND	ND	
SB-120	11/25/2003	9 - 10	<490	<490	<490	<490	<490	<b>94 BJ</b>	<490	<490	<490	<490	<490	<490	ND	ND	
SB-120A*	11/25/2003	20 - 25	<400	<400	<400	<400	<400	<b>390 BJ</b>	<400	<400	<400	<400	<400	<400	ND	ND	
SB-123	11/26/2003	8.5 - 9.5	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<b>4,000 J</b>	<b>4,000 J</b>	
SB-124	11/26/2003	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-125	11/26/2003	8.5 - 9.5	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<b>2,000 J</b>	<b>2,000 J</b>	
SB-126	11/26/2003	9 - 10	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<410	<b>800 JN</b>	<b>800 JN</b>	
SB-144	1/19/2004	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-145	1/19/2004	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-146	1/19/2004	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SB-157	1/21/2004	8 - 9	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	ND	ND	
<b>NYSDEC soil clean-up objective</b>			8,100	50,000	50,000	224	400	50,000	1,100	1,100	61	3,200	14	50,000	500,000	500,000	

**Table 4-2**  
**Summary of Soil Boring Analytical Data - Semi-Volatiles**  
**RCRA Facility Investigation (RFI)**  
**Former Norton/Nashua Facility**  
**Watervliet, New York**

Sample Designation	Sampling Date	Sample Depth (feet)	Di-n-Butyl Phthalate (µg/kg)	Fluor-anthene (µg/kg)	Pyrene (µg/kg)	Benzo(a) anthracene (µg/kg)	Chrysene (µg/kg)	Bis-(2-ethyl-hexyl)phthalate (µg/kg)	Benzo(b) fluoranthene (µg/kg)	Benzo(k) fluoranthene (µg/kg)	Benzo(a) pyrene (µg/kg)	Indeno(1,2,3-cd)pyrene (µg/kg)	Dibenzo (a,h) anthracene (µg/kg)	Benzo(g,h,i) perylene (µg/kg)	Total SVOC TICs (µg/kg)	Total SVOCs (µg/kg)
<b>Former Tank Farm SWMU</b>																
SB-31	9/4/2003	11 - 13	1,300	1,300	10 - 15	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400
SB-32	9/4/2003	10 - 15	NS	>9999	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-33	9/4/2003	8 - 9	>9999	>9999	5 - 15	<390	<390	<390	<390	<390	<b>190 J</b>	<390	<390	<390	<390	<390
SB-34	9/5/2003	7 - 8	>5000	>5000	5 - 15	<440	<440	<440	<440	<440	<440	<440	<440	<440	<440	<440
SB-35	9/5/2003	10 - 15	NS	1,000	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-36	9/5/2003	7 - 8	20.0	20.0	5 - 10	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430	<430
SB-42	9/8/2003	8 - 9	57.0	57.0	5 - 10	<360	<360	<360	<360	<360	<b>46 J</b>	<360	<360	<360	<360	<360
SB-61	9/10/2003	5 - 10	NS	4,000	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-77	9/12/2003	10 - 15	NS	>9999	10 - 15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-78	9/15/2003	8 - 9	0.0 <sup>(1)</sup>	0.2	0 - 5	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360
SB-79	9/15/2003	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-80	9/15/2003	5 - 10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-81	9/15/2003	9 - 10	<360	<360	<360	<360	<360	<b>51 BJ</b>	<360	<360	<360	<360	<360	<360	ND	ND
SB-82	9/15/2003	9 - 10	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<380	<b>3,000 J</b>	<b>3,000 J</b>
SB-83	9/15/2003	9 - 10	<370	<370	<370	<370	<370	<b>78 BJ</b>	<370	<370	<370	<370	<370	<370	<b>3,300 J</b>	<b>3,300 J</b>
SB-84	9/15/2003	8 - 9	<370	<370	<370	<370	<370	<b>43 BJ</b>	<370	<370	<370	<370	<370	<370	ND	ND
SB-141	12/4/2003	14 - 15	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<360	<b>200 J</b>	<b>200 J</b>
SB-141	12/4/2003	14 - 15 (RE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-142	12/4/2003	10 - 12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-156	1/20/2004	7 - 9	<410	<b>180 J</b>	<b>160 J</b>	<b>90 J</b>	<b>94 J</b>	<b>42 J</b>	<b>71 J</b>	<b>77 J</b>	<b>83 J</b>	<b>62 J</b>	<410	<b>63 J</b>	ND	<b>922 J</b>
<b>Sanitary Sewer AOC</b>																
SB-138	12/3/2003	4 - 5	<400	<b>210 J</b>	<b>180 J</b>	<b>100 J</b>	<b>110 J</b>	<400	<b>68 J</b>	<b>92 J</b>	<b>68 J</b>	<b>58 J</b>	<400	<b>63 J</b>	ND	<b>949 J</b>
SB-138	12/3/2003	7.5 - 8.5	<400	<b>220 J</b>	<b>190 J</b>	<b>100 J</b>	<b>110 J</b>	<400	<b>77 J</b>	<b>92 J</b>	<b>70 J</b>	<b>63 J</b>	<400	<b>62 J</b>	<b>800 J</b>	<b>1,784 J</b>
SB-138	12/4/2003	8.5 - 8.8	<400	<b>88 J</b>	<b>80 J</b>	<b>43 J</b>	<b>49 J</b>	<b>41 J</b>	<400	<400	<b>45 J</b>	<400	<400	<400	<b>34,300 JN</b>	<b>34,646 J</b>
<b>Storm Sewer AOC</b>																
SB-121	11/25/2003	8 - 9	<400	<b>1,400</b>	<b>1,200</b>	<b>720</b>	<b>870</b>	<b>370 BJ</b>	<b>530</b>	<b>600</b>	<b>700</b>	<b>510</b>	<b>140 J</b>	<b>610</b>	<b>1,500 J</b>	<b>8,780</b>
SB-139	12/4/2003	4 - 5	<380	<b>270 J</b>	<b>380</b>	<b>110 J</b>	<b>110 J</b>	<380	<b>45 J</b>	<b>94 J</b>	<b>120 J</b>	<b>67 J</b>	<380	<b>88 J</b>	ND	<b>1,284</b>
SB-139A*	12/4/2003	20 - 25	<370	<b>350 J</b>	<b>350 J</b>	<b>120 J</b>	<b>190 J</b>	<370	<b>78 J</b>	<b>110 J</b>	<b>67 J</b>	<b>56 J</b>	<370	<b>86 J</b>	ND	<b>1,407</b>
Field Blank	9/15/2003	---	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<b>20 J</b>	<b>20 J</b>
Field Blank	12/4/2003	---	<5	<5	<5	<5	<5	<b>14</b>	<5	<5	<5	<5	<5	<5	<b>3 JN</b>	<b>17</b>
Field Blank	1/22/2004	---	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND	ND
<b>NYSDEC soil clean-up objective</b>			8,100	50,000	50,000	224	400	50,000	1,100	1,100	61	3,200	14	50,000	500,000	500,000

\* SB-14A, SB-41A, SB-93A, SB-107A, SB-112A, SB-139A, and SB-148A are duplicate samples.

ppmv = parts per million by volume, µg/kg = micrograms per kilogram, TICs = tentatively identified compounds.

B = compound detected in blank, E = concentration exceeds the calibration range, J = estimated concentration; compound detected below the quantitation limit; N = presumptive evidence of a compound (TICs only), RE = laboratory replicate sample.

NA = not analyzed, ND = not detected, NM = not measured (equipment malfunction), NS = not sampled. Field Blanks were liquid samples; results are presented in micrograms per liter (µg/L).

Semi-volatile organic compounds analyzed via EPA Method 8270 plus TICs. Only detected analytes are listed above. A complete list of analytes is provided in the laboratory report.

B-qualified TICs not included in table. B-qualified analytes not included in Total VOCs.

NYSDEC soil clean-up objectives per TAGM #4046.

**Table 4-3**  
**Summary of Geoprobe Ground-Water Analytical Data - Volatiles**  
**Former Norton/Nashua Facility**  
**Watervliet, New York**

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Sample Designation	Sampling Date	Acetone (µg/L)	Methylene chloride (µg/L)	Chloroform (µg/L)	Toluene (µg/L)	m,p-xylene (µg/L)	o-xylene (µg/L)	Heptane (µg/L)	Total VOC TICs (µg/L)
SB-1	8/26/2003	13 B	3 JB	<5	7	<5	<5	<10	ND
SB-17	8/28/2003	<5000	3,500 B	<2500	33,000	<2500	<2500	<5000	ND
SB-19	8/29/2003	<10000	5,000 JB	<5000	110,000	<5000	<5000	<10000	ND
SB-25	9/2/2003	<10	6 B	3 J	78	3 J	<10	<10	9 J
SB-26	9/3/2003	<2000	980 JB	<1000	26,000	<1000	<1000	<2000	ND
SB-36	9/5/2003	7 J	3 JB	<5	37	<5	<5	7 J	7 J
West Cutout	9/8/2003	<10	2 JB	<5	1 J	<10	<10	<5	46 J
SB-57	9/10/2003	12	2 JB	<5	7	<5	<5	12	20 J
SB-58	9/10/2003	8 J	5 B	<5	4 J	<5	<5	8 J	ND
SB-62	9/11/2003	<100	70 B	<50	1,800	<50	<50	<100	800 J
SB-62A*	9/11/2003	<1000	710 B	<500	12,000	<500	<500	<1000	1,500 J
SB-71	9/12/2003	<2000	1,300 B	<1000	25,000	<1000	<1000	<2000	ND
SB-82	9/15/2003	<10	8 B	<5	19	<5	<5	<10	10 J
SB-127	11/26/2003	<2000	2,500 B	<1000	40,000 E	<1000	<1000	<2000	ND
SB-148	1/20/2004	<10	4 JB	<5	<5	2 J	<5	<10	ND
Field Blank	9/19/2003	<10	10 B	3 J	<10	<10	<10	<10	10 J
Field Blank	12/4/2003	<10	<5	3 JB	<5	<5	<5	<10	ND
Field Blank	1/22/2004	<10	<5	<5	<5	<5	<5	<10	15 J
		50	5	7	5	5	5	NA	NA
<b>NYSDEC ground-water standard/guideline (TOGS 1.1.1) - µg/L</b>									

\* SB-62A is a duplicate sample.

µg/L = micrograms per liter; VOCs = volatile organic compounds; TICs = tentatively identified compounds;

B = compound detected in blank, E = concentration exceeds the calibration range, J = estimated concentration,

analyte detected below the quantitation limit.

VOCs analyzed via EPA Method 8260 plus heptane and TICs. Only detected analytes are listed above.

A complete list of analytes is provided in the laboratory report.

B-qualified TICs not included in table. B-qualified analytes not included in Total VOCs.



**Table 4-4**  
**Summary of Geoprobe Ground-Water Analytical Data - Semi-Volatiles**  
**Former Norton/Nashua Facility**  
**Watervliet, New York**

Sample Designation	Sampling Date	2-Methyl-phenol (µg/L)	4-Methyl-phenol (µg/L)	Bis-(2-ethyl-hexyl)phthalate (µg/L)	Di-n-Butyl phthalate (µg/L)	Pyrene (µg/L)	Benzo(b) fluoranthene (µg/L)	Benzo(k) fluoranthene (µg/L)	Indeno(1,2,3-cd) pyrene (µg/L)	Dibenzo(a,h) anthracene (µg/L)	Benzo(g,h,i) perylene (µg/L)	Total SVOC TICs (µg/L)
SB-1	8/26/2003	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	100 J
SB-17	8/28/2003	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ND
SB-19	8/29/2003	9 J	16	<10	<10	<10	<10	<10	<10	<10	<10	ND
SB-25	9/2/2003	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND
SB-26	9/3/2003	6	6	<5	<5	<5	<5	<5	<5	<5	<5	ND
SB-36	9/5/2003	<5	<5	0.8 JB	<5	<5	<5	<5	<5	<5	<5	6 JN
West Cutout*	9/8/2003	<5	<5	<5	0.7 J	0.8 J	<5	<5	<5	<5	<5	14 JN
West Cutout (RE)	9/8/2003	<5	<5	<5	0.6 J	<5	<5	<5	<5	<5	<5	10 JN
SB-57	9/10/2003	<5	<5	1 JB	<5	<5	<5	<5	<5	<5	<5	ND
SB-58	9/10/2003	<5	<5	0.9 JB	<5	<5	<5	<5	<5	<5	<5	ND
SB-62	9/11/2003	5	9	<5	<5	<5	<5	<5	<5	<5	<5	ND
SB-62A**	9/11/2003	5	8	0.8 JB	<5	<5	<5	<5	<5	<5	<5	ND
SB-71	9/12/2003	2 J	3 J	<5	<5	<5	<5	<5	<5	<5	<5	ND
SB-82	9/15/2003	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	3 J
SB-127	11/26/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-148	1/20/2004	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	2 J
Field Blank	9/19/2003	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	22 JN
Field Blank	12/4/2003	<5	<5	8	<5	<5	<5	<5	<5	<5	<5	2 JN
Field Blank	1/22/2004	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND
		1		5	50	50	0.002	0.002	0.002	NA	NA	NA
NYSDEC ground-water standard/guideline (TOGS 1.1.1) - µg/L												

\* Sample also analyzed for TPH-DRO (Total Petroleum Hydrocarbons-Diesel-Range Organics via EPA Method 8015. Reported TPH-DRO concentration was 50.8 mg/L (milligrams per liter).

\*\* SB-62A is a duplicate sample.

µg/L = micrograms per liter; SVOCs = semi-volatile organic compounds; TICs = tentatively identified compounds;

B = compound detected in blank, E = concentration exceeds the calibration range, J = estimated concentration, analyte detected below the quantitation limit;

N = presumptive evidence of a compound (TICs only); NA = not analyzed; ND = not detected.

SVOCs analyzed via EPA Method 8270 plus TICs. Only detected analytes are listed above. A complete list of analytes is provided in the laboratory report.

B-qualified TICs not included in table. B-qualified analytes not included in Total VOCs.

**Table 5-1**  
**Summary of Sewer Water Analytical Data - Volatiles**  
**Former Norton/Nashua Facility**  
**Watervliet, NY**

page 1 of 3

Sample Designation	Sampling Date	Acetone (µg/L)	Methylene chloride (µg/L)	Toluene (µg/L)	m,p Xylenes (µg/L)	VOC TICs (µg/L)
<b>MH-1</b>	6/14/2004	<10	<5	<5	<5	ND
<b>(MH-20)</b>	6/14/2004	<10	<5	<5	<5	ND
<b>MH-5</b>	10/31/2001	<10	<5	<5	<5	<b>39 J</b>
	2/17/2004	<10	<b>3 JB</b>	<5	<5	ND
<b>MH-6</b>	10/31/2001	<10	<5	<5	<5	<b>26 J</b>
<b>MH-11</b>	11/2/2001	<10	<5	<5	<5	ND
<b>MH-12</b>	2/17/2004	<10	<5	<5	<5	ND
<b>MH-13</b>	2/17/2004	<10	<b>3 JB</b>	<5	<5	ND
<b>(MH-20)</b>	2/17/2004	<b>25</b>	<b>3 JB</b>	<5	<5	ND
<b>MH-14</b>	2/17/2004	<10	<5	<5	<5	ND
<b>MH-1(San)</b>	10/31/2001	<10	<5	<5	<5	ND
	2/17/2004	<b>30 B</b>	<5	<5	<5	<b>70 J</b>
<b>MH-FC(San)</b>	10/31/2001	<10	<5	<5	<5	ND
<b>(MH-20)</b>	10/31/2001	<10	<5	<5	<5	ND
<b>Alden-1</b>	11/2/2001	<10	<5	<5	<5	ND
<b>Alden-4</b>	11/2/2001	<10	<5	<5	<5	ND
<b>FB-2</b>	10/31/2001	<10	<5	<5	<5	ND
<b>FB</b>	2/17/2004	<10	<b>4 JB</b>	<5	<5	<b>6 J</b>
<b>TB-1</b>	10/31/2001	<10	<5	<5	<5	ND
<b>TB-3</b>	11/2/2001	<10	<5	<5	<5	ND
<b>TB</b>	2/17/2004	<10	<b>2 JB</b>	<5	<5	ND
		NA	<b>200 H(FC)</b>	<b>6,000 H(FC)</b>	NA	NA
<b>NYSDEC Surface-Water Class C standard (6 NYCRR Part 703) - µg/L</b>						

µg/L = micrograms per liter; FB = field blank; TB = trip blank; TIC = tentatively identified compound;

J = estimated concentration, detected below the quantitation limit; B = detected in the laboratory blank.

NA = standard/guideline not available; H(FC) = human fish consumption. MH-20 samples are blind replicates.

Volatiles via EPA Method 8260. Note: heptane was not detected in any of the above samples.

Lowest (most conservative) ground-water standard for Surface-Water Class C

(Hudson River 4, 6 NYCRR Part 858) listed above for each compound.

Only detected analytes are listed above. A complete list of analytes is provided in the laboratory report.

**Table 5-1**  
**Summary of Sewer Water Analytical Data - Semi-Volatiles**  
**Former Norton/Nashua Facility**  
**Watervliet, NY**

Sample Designation	Sampling Date	Phenol (µg/L)	4-Methyl-phenol (µg/L)	Naphthalene (µg/L)	Acenaphthene (µg/L)	Dibenzofuran (µg/L)	Fluorene (µg/L)	Phenanthrene (µg/L)	Anthracene (µg/L)	Carbazole (µg/L)	Fluoranthene (µg/L)	Pyrene (µg/L)
MH-1	6/14/2004	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
(MH-20)	6/14/2004	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MH-5	10/31/2001	<10	<10	<10	<10	<10	<10	<b>4 J</b>	<b>2 J</b>	<10	<b>7 J</b>	<b>6 J</b>
	2/17/2004	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MH-6	10/31/2001	<10	<10	<10	<10	<10	<10	<b>5 J</b>	<b>2 J</b>	<10	<b>9 J</b>	<b>8 J</b>
MH-11	11/2/2001	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MH-12	2/17/2004	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MH-13	2/17/2004	<5	<5	<5	<5	<5	<5	<b>2 J</b>	<b>1 J</b>	<5	<b>3 J</b>	<b>2 J</b>
(MH-20)	2/17/2004	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MH-14	2/17/2004	<b>0.7 J</b>	<5	<b>0.8 J</b>	<b>2 J</b>	<b>0.9 J</b>	<b>2 J</b>	<b>21</b>	<b>9</b>	<b>2 J</b>	<b>29</b>	<b>25</b>
MH-1(San)	10/31/2001	<b>35 J</b>	<b>130</b>	<50	<50	<50	<50	<50	<50	<50	<b>5 J</b>	<b>6 J</b>
MH-1(San)RE	10/31/2001	<b>39 J</b>	<b>130</b>	<50	<50	<50	<50	<50	<50	<50	<50	<50
MH-1(San)	2/17/2004	<b>4 J</b>	<b>29</b>	<6	<6	<6	<6	<b>1 J</b>	<6	<6	<b>2 J</b>	<b>1 J</b>
MH-FC(San)	10/31/2001	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
(MH-20)	10/31/2001	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Alden-1	11/2/2001	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Alden-4	11/2/2001	<b>3 J</b>	<b>16</b>	<10	<10	<10	<10	<10	<10	<10	<10	<10
FB-2	10/31/2001	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
FB	2/17/2004	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
<b>5 E</b>				NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>NYSDEC Surface-Water Class C standard/guideline (6 NYCRR Part 703) - µg/L</b>												

**Table 5-1**  
**Summary of Sewer Water Analytical Data - Semi-Volatiles**  
**Former Norton/Nashua Facility**  
**Watervliet, NY**

Sample Designation	Sampling Date	Benzo(a) anthracene (µg/L)	Chrysene (µg/L)	Butylbenzyl phthalate (µg/L)	Bis-(2-ethyl-hexyl)phthalate (µg/L)	Di-n-butyl phthalate (µg/L)	Benzo(b) fluoranthene (µg/L)	Benzo(k) fluoranthene (µg/L)	Benzo(a) pyrene (µg/L)	Indeno(1,2,3-cd)pyrene (µg/L)	Benzo(g,h,i) perylene (µg/L)	SVOC TICs (µg/L)
MH-1	6/14/2004	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	57 JN
(MH-20)	6/14/2004	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	55 JN
MH-5	10/31/2001	3 J	4 J	<10	2 J	<10	3 J	4 J	3 J	2 J	2 J	4 J
	2/17/2004	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	3 JN
MH-6	10/31/2001	4 J	5 J	<10	3 J	<10	4 J	5 J	4 J	2 J	2 J	200 J
MH-11	11/2/2001	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	5 J
MH-12	2/17/2004	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	2 JN
MH-13	2/17/2004	2 J	2 J	<5	0.7 J	2 J	1 J	1 J	1 J	0.9 J	0.9 J	6 JN
(MH-20)	2/17/2004	<5	<5	<5	0.8 J	<5	<5	<5	<5	<5	<5	3 JN
MH-14	2/17/2004	17	18	<5	4 J	22	12	13	14	9	8	214 JN
MH-1(San)	10/31/2001	<50	<50	<50	65	<50	<50	<50	<50	<50	<50	15,970 JN
MH-1(San)RE	10/31/2001	<50	<50	<50	84	<50	<50	<50	<50	<50	<50	6,100 JN
MH-1(San)	2/17/2004	1 J	1 J	3 J	13	<6	1 J	1 J	<6	1 J	<6	1,657 JN
MH-FC(San)	10/31/2001	<10	<10	<10	2 J	<10	<10	<10	<10	<10	<10	29 JN
(MH-20)	10/31/2001	<10	<10	<10	1 J	<10	<10	<10	<10	<10	<10	100 JN
Alden-1	11/2/2001	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	5 J
Alden-4	11/2/2001	<10	<10	<10	3 J	<10	<10	<10	<10	<10	<10	1,144 JN
FB-2	10/31/2001	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ND
FB	2/17/2004	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND
		NA	NA	NA	0.6 A(C)	NA	NA	NA	NA	NA	NA	NA
<b>NYSDEC Surface-Water Class C standard (6 NYCRR Part 703) - µg/L</b>												

µg/L = micrograms per liter; RE = laboratory replicate; FB = field blank; J = estimated concentration, detected below the quantitation limit; TIC = tentatively identified compound;

N = presumptive evidence of a compound; NA = standard/guideline not available; A(C) = aquatic (chronic); E = aesthetic.

MH-20 samples are blind replicates.

Lowest (most conservative) ground-water standard for Surface-Water Class C (Hudson River 4, 6 NYCRR Part 858) listed above for each compound.

Semi-volatiles via EPA Method 8270.

Only detected analytes are listed above. A complete list of analytes is provided in the laboratory report.

**Table 5-2**  
**Summary of Sewer Sediment Analytical Data - Volatiles**  
**Former Norton/Nashua Facility**  
**Watervliet, NY**

Sample Designation	Sampling Date	Chloro-benzene (µg/kg)	Benzene (µg/kg)	Ethyl-benzene (µg/kg)	m,p-Xylenes (µg/kg)	o-Xylene (µg/kg)	Toluene (µg/kg)	Heptane (µg/kg)	VOC TICs (µg/kg)
MH-1	10/31/2001	8	<6	<6	<6	<6	<6	<11	15
MH-2	10/31/2001	<6	<6	<6	<6	<6	<6	<11	65
MH-2.5	10/31/2001	100	<6	<6	<6	<6	4 J	<11	ND
MH-3	10/31/2001	<5	<5	<5	<5	<5	<5	<11	ND
MH-3.5	10/31/2001	<8	<8	<8	<8	<8	<8	<16	ND
MH-6	10/31/2001	8	<6	<6	<6	<6	<6	<13	ND
MH-9	10/31/2001	<6	<6	<6	<6	<6	<6	<12	ND
MH-11	11/2/2001	14	<12	<12	<12	<12	<12	<25	23
MH-13	10/31/2001	<6	<6	<6	<6	<6	<6	<11	198
MH-FC	10/31/2001	27,000 E	210	45 J	130	39 J	23 J	<180	ND
MH-FC RE	10/31/2001	54,000 E	500	160	570	210	340	<180	ND
(MH-20)	10/31/2001	25,000 E	190	<81	140	32 J	<81	<160	ND
(MH-20) RE	10/31/2001	48,000 E	440	130	460	140	130	<160	ND
FB-1*	10/31/2001	4 J	<6	<6	<6	<6	<6	<10	6 J
FB*	3/17/2004	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	6 J
TB*	10/31/2001	<5	<5	<5	<5	<5	<5	<10	ND
TB*	10/31/2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	ND
* aqueous sample		3,500	600	24,000	92,000	49,000	-	-	
<b>NYSDEC Sediment Screening Criteria (1999) - µg/kg</b>									

µg/kg = micrograms per kilogram; TICs = tentatively identified compounds; J = estimated concentration, detected below the quantitation limit; E = estimated concentration (laboratory diluted sample); FB = field blank; TB = trip blank; RE = laboratory replicate; ND = not detected. MH-20 samples are blind replicates.

Volatile organic compounds (VOCs) via EPA Method 8260.

Lowest (most conservative) sediment criterion for each compound listed above.

Only detected analytes are listed above. A complete list of analytes is provided in the laboratory report.

**Table 5-2**  
**Summary of Sewer Sediment Analytical Data - Semi-Volatiles**  
**Former Norton/Nashua Facility**  
**Watervliet, NY**

Sample Designation	Sampling Date	1,4-Dichlorobenzene (µg/kg)	Naphthalene (µg/kg)	2-Methylnaphthalene (µg/kg)	Acenaphthene (µg/kg)	Dibenzofuran (µg/kg)	Fluorene (µg/kg)	Phenanthrene (µg/kg)	Anthracene (µg/kg)
MH-2.5	2/17/2004	<78000	72,000 J	20,000 J	100,000	54,000 J	83,000	800,000	360,000
MH-3.5	2/17/2004	<180000	130,000 J	61,000 J	200,000	110,000 J	200,000	1,600,000	690,000
(MH-21)	2/17/2004	<34000	20,000 J	9,200 J	39,000	20,000 J	39,000	330,000	150,000
MH-6	10/31/2001	<2200	<2200	<2200	890 J	580 J	1,000 J	9,900	4,500
MH-11	11/2/2001	<4200	<4200	<4200	780 J	<4200	720 J	10,000	<4200
MH-11 RE	11/2/2001	<4200	<4200	<4200	790 J	<4200	770 J	10,000	4,400
MH-13	2/17/2004	<4700	4,700 J	1,700 J	8,000	4,200 J	6,100	66,000	28,000
MH-14	2/17/2004	<74000	67,000 J	21,000 J	100,000	56,000 J	89,000	790,000	300,000
MH-FC	10/31/2001	9,500 E	480 J	410 J	450 J	<580	530 J	2,800	1,700
(MH-20)	10/31/2001	6,900	370 J	390 J	<540	<540	<540	1,300	690
(MH-20) RE	10/31/2001	7,300	350 J	380 J	220 J	<540	75 J	1,800	<540
FB-1*	10/31/2001	<10	<10	<10	<10	<10	<10	<10	<10
FB*	2/17/2004	<5	<5	<5	<5	<5	<5	<5	<5
* aqueous sample		12,000	30,000	34,000	140,000	-	8,000	120,000	107,000
NYSDEC Sediment Screening Criteria (1999) - µg/kg									

Sample Designation	Sampling Date	Carbazole (µg/kg)	Di-n-butylphthalate (µg/kg)	Fluoranthene (µg/kg)	Pyrene (µg/kg)	Butylbenzylphthalate (µg/kg)	Benzo(a)anthracene (µg/kg)	Chrysene (µg/kg)	bis(2-Ethylhexyl)phthalate (µg/kg)
MH-2.5	2/17/2004	130,000	<78000	960,000	920,000	<78000	410,000	410,000	<78000
MH-3.5	2/17/2004	210,000	<180000	1,700,000	1,700,000	<180000	870,000	890,000	<180000
(MH-21)	2/17/2004	46,000	<34000	360,000	380,000	<34000	190,000	200,000	<34000
MH-6	10/31/2001	<2200	<2200	12,000	14,000	<2200	6,700	7,000	1,200 J
MH-11	11/2/2001	<4200	<4200	13,000	31,000	<4200	9,400	11,000	13,000
MH-11 RE	11/2/2001	<4200	<4200	17,000	23,000	<4200	9,900	12,000	12,000
MH-13	2/17/2004	8,700	<4800	80,000 E	57,000	<4800	34,000	37,000	650 J
MH-14	2/17/2004	85,000	<74000	880,000	830,000	<74000	370,000	380,000	<74000
MH-FC	10/31/2001	<580	2,800	2,700	5,200	510J	1,800	1,700	8,500
(MH-20)	10/31/2001	<540	3,600	1,300	2,200	390J	870	860	7,400
(MH-20) RE	10/31/2001	<540	3,200	1,400	2,800	500J	1,200	1,200	9,300 E
FB-1*	10/31/2001	<10	<10	<10	<10	<10	<10	<10	<10
FB*	2/17/2004	<5	<5	<5	<5	<5	<5	<5	<5
* aqueous sample		-	-	1,020,000	961,000	-	12,000	-	199,500
NYSDEC Sediment Screening Criteria (1999) - µg/kg									

**Table 5-2**  
**Summary of Sewer Sediment Analytical Data - Semi-Volatiles**  
**Former Norton/Nashua Facility**  
**Watervliet, NY**

Sample Designation	Sampling Date	Di-n-octyl-phthalate (µg/kg)	Benzo(b) fluoranthene (µg/kg)	Benzo(k) fluoranthene (µg/kg)	Benzo(a) pyrene (µg/kg)	Indeno(1,2,3-cd) pyrene (µg/kg)	Dibenzo(a,h) anthracene (µg/kg)	Benzo(g,h,i) perylene (µg/kg)	SVOC TICs (µg/kg)
MH-2.5	2/17/2004	<78000	270,000	260,000	340,000	270,000	<78000	220,000	1,118,000 JN
MH-3.5	2/17/2004	<180000	510,000	500,000	620,000	440,000	111,000 J	400,000	3,050,000 JN
(MH-21)	2/17/2004	<34000	120,000	110,000	140,000	110,000	9,700 J	95,000	850,000 JN
MH-6	10/31/2001	<2200	6,000	6,000	5,800	3,200	6,000	2,300	10,800 JN
MH-11	11/2/2001	<4200	11,000	11,000	8,900	5,600	<4200	4,600	14,000 JN
MH-11 RE	11/2/2001	<4200	12,000	11,000	9,500	5,400	<4200	3,800 J	24,000 JN
MH-13	2/17/2004	<4800	20,000	25,000	27,000	16,000	2,600 J	14,000	78,000 JN
MH-14	2/17/2004	<74000	240,000	260,000	310,000	240,000	19,000 J	190,000	1,120,000 JN
MH-FC	10/31/2001	510 J	1,200	1,700	1,500	510 J	<580	370 J	21,600 JN
(MH-20)	10/31/2001	310 J	680	840	650	<540	<540	<540	20,000 JN
(MH-20) RE	10/31/2001	300 J	670	750	690	350 J	<540	240 J	23,000 JN
FB-1*	10/31/2001	<10	<10	<10	<10	<10	<10	<10	ND
FB*	2/17/2004	<5	<5	<5	<5	<5	<5	<5	ND
* aqueous sample		-	-	-	1,300	-	-	-	-
<b>NYSDEC Sediment Screening Criteria (1999) - µg/kg</b>									

µg/kg = micrograms per kilogram; TICs = tentatively identified compounds; J = estimated concentration, detected below the quantitation limit;

E = laboratory estimated concentration; N = presumptive evidence of a compound; FB = field blank; RE = laboratory replicate.

Semi-volatile organic compounds (SVOCs) via EPA Method 8270.

MH-20/MH-21 samples are blind replicates.

Lowest (most conservative) sediment criterion for each compound listed above.

Only detected analytes are listed above. A complete list of analytes is provided in the laboratory report.

**Table 5-3**  
**Contingent Supplemental RFI Sewer Sampling Information**  
**Former Norton/Nashua Facility**  
**Watervliet, NY**

<b>Matrix</b>	<b>Sewer Sample Manhole Location</b>	<b>Sampled (S) or Condition</b>	<b>Matrix</b>	<b>Sewer Sample Manhole Location</b>	<b>Sampled (S) or Condition</b>
<b>Sediment</b>	MH-1(San)	no sediment	<b>Water</b>	<b>MH-1(San)</b>	<b>S</b>
	MH Bldg.59(San)*	no sediment		MH Bldg.59(San)*	dry
	MH-1*	no sediment		<b>MH-1*</b>	dry/S
	MH-2	no sediment		MH-2	frozen/minimal water
	<b>MH-2.5*</b>	<b>S</b>		MH-2.5*	dry/minimal water
	MH-3*	no sediment		MH-3*	frozen/minimal water
	<b>MH-3.5*</b>	<b>S</b>		MH-3.5*	dry
	MH-4*	no sediment		MH-4*	dry
	MH-5	no sediment		<b>MH-5</b>	<b>S</b>
	MH-10*	not accessible		MH-10	not accessible
	MH-12*	no sediment		<b>MH-12*</b>	<b>S</b>
	<b>MH-13</b>	<b>S</b>		<b>MH-13*</b>	<b>S</b>
	<b>MH-14*</b>	<b>S</b>		<b>MH-14*</b>	<b>S</b>
MH-15	could not locate	MH-15	could not locate		
<b>field blank</b>	<b>S</b>	<b>field blank</b>	<b>S</b>		

\* contingent/alternate sewer manhole sampling location

sample not collected

Sewer sediment samples analyzed for TCL semi-volatiles & tentatively identified compounds (TICs) via EPA Method 8270.  
Sewer water samples analyzed for TCL volatiles plus heptane & TICs via EPA method 8260, and TCL semi-volatiles & TICs via EPA Method 8270.



**Table 5-4**  
**Sewer Bedding Well Vapor Samples**  
**Former Norton/Nashua Facility**  
**Watervliet, New York**

Sample Designation	MW-11	MW-12	DGC-12	MW-13	Ambient	Blank
Date	2/18/2004	2/18/2004	2/18/2004	2/18/2004	2/18/2004	2/18/2004
Units	(ppbv)	(ppbv)	(ppbv)	(ppbv)	(ppbv)	(ppbv)
Heptane	12	<0.2	<0.2	5	<0.2	<0.2
Toluene	22	2	2	1	2	<0.2
Propene	8	7	6	37 D	2	<0.2
Dichlorodifluoromethane	0.5 J	0.5 J	0.5 J	0.5 J	0.5 J	<0.2
Chloromethane	<0.2	0.6 J	0.9 J	6	1	<0.2
Chloroethane	<0.2	<0.2	0.4 J	<0.2	<0.2	<0.2
Trichlorofluoromethane	0.3 J	0.2 J	0.3 J	0.3 J	0.3 J	<0.2
Pentane	15	2	1	40 D	1	<0.2
Acrolein	2	<0.5	<0.5	<0.5	<0.5	<0.5
Acetone	11	6	6	4	4	<1
Carbon Disulfide	1	<0.5	<0.5	0.9 J	<0.5	<0.5
Acetonitrile	7	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene Chloride	0.9 J	<0.5	<0.5	<0.5	<0.5	<0.5
tert-Butyl Alcohol	<0.2	2	<0.2	<0.2	<0.2	<0.2
Methyl Tertiary Butyl Ether	<0.2	<0.2	<0.2	22	<0.2	<0.2
Hexane	5	0.5 J	0.4 J	8	0.2 J	<0.2
2-Butanone	<0.5	1	1	<0.5	0.7 J	<0.5
Chloroform	1	<0.2	<0.2	0.7 J	<0.2	<0.2
1,1,1 Trichloroethane	<0.2	0.7 J	0.5 J	<0.2	<0.2	<0.2
1,2 Dichloroethane	0.3 J	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene	3	0.4 J	0.5 J	0.2 J	0.6 J	<0.2
Trichloroethene	0.2 J	<0.2	<0.2	<0.2	<0.2	<0.2
Octane	0.6 J	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrachloroethene	<0.2	0.4 J	0.3 J	2	<0.2	<0.2
Ethylbenzene	0.9 J	0.3 J	0.3 J	0.2 J	<0.2	<0.2
m/p-Xylenes	2	0.9 J	0.8 J	0.7 J	<0.2	<0.2
o-Xylenes	0.7 J	0.3 J	0.3 J	0.3 J	<0.2	<0.2
Styrene	0.7 J	<0.2	<0.2	<0.2	<0.2	<0.2
4-Ethyltoluene	0.6 J	<0.2	0.2 J	0.3 J	<0.2	<0.2
1,2,4 Trimethylbenzene	0.7 J	0.3 J	0.3 J	0.3 J	<0.2	<0.2
Total VOC TICs	477	229	102	222	3	0
Total VOCs	538	252	122	344	13	0
Methane (ppmv)	6.9 J	3.6 J	3.8 J	24	4.2 J	3.6 J

ppbv = parts per billion by volume; TICs = tentatively identified compounds; VOCs = volatile organic compounds; D = laboratory qualified diluted sample; J = estimated concentration, compound detected below the quantitation limit. All vapor samples were collected in Summa canisters equipped with a regulator that collected the sample over a six-hour period. DGC-12 was a blind field replicate of MW-12. The "ambient" sample was collected by placing the summa canister on the ground near and connecting the canister to a short length of open Teflon tubing for sampling. The "blank" sample summa canister accompanied the other canisters in the field and during transport. The "blank" sample was prepared at the laboratory using "clean air". All samples were analyzed for VOCs via EPA Method TO-15 and methane via EPA Modified Method 18. Only detected analytes are listed above. A complete list of analytes is provided in the laboratory report.

**Table 10-1**  
**AOC/SWMU Compounds of Concern (COCs) Summary Table**  
**Former Norton/Nashua Facility**  
**Watervliet, New York**

AOC/SWMU		Compound(s) of Concern (COCs)	
		Soil (sewer SWMUs = sediment)	Ground Water (sewer SWMUs = sewer water)
<i>Quonset Hut C AOC</i>		<i>none</i>	<i>none</i>
<i>Quonset Hut B AOC</i>		<i>PAHs*</i>	<i>none</i>
<i>Former Solvent Recovery Room AOC</i>		<i>none</i>	<i>none</i>
<i>Former Filter Room AOC</i>		<i>none</i>	<i>none</i>
<b>AOC Beneath Buildings</b>	<b>Former "Beartex" Sump Pit SWMU/ Building #61 Doorway Spill AOC</b>	toluene, PAHs*	toluene, phenols
	<b>Building #58 AOC</b>	toluene, heptane, VOC TICs, phenols	toluene
	<b>Former Text Pit AOC</b>	toluene, heptane, phenols	toluene, phenols
	<b>Former Solvent Line AOC</b>	toluene, heptane, VOC TICs, phenols, PAHs*	toluene, VOC TICs, phenols
	<b>Former Tank Farm SWMU</b>	toluene, heptane, VOC TICs, phenols	FPP, toluene, heptane, VOC TICs
	<b>Storm Sewer SWMU</b>	PAHs	PAHs
	<b>Sanitary Sewer SWMU</b>	<i>PAHs</i>	<i>PAHs, phthalates, phenols</i>
	<b>Off-Site AOC</b>	<i>none</i>	toluene

\* The presence of PAHs in these areas was clearly associated with historical cinder/fill materials. Based upon the absence of a risk of exposure or off-site migration, the soil PAHs will not be further investigated or addressed as COCs at the Site. See Section 4.5 for more details.

*Italicized AOCs - No Further Action (NFA) proposed*

**Table 10-1**  
**AOC/SWMU Compounds of Concern (COCs) Summary Table**  
**Former Norton/Nashua Facility**  
**Watervliet, New York**

AOC/SWMU		Compound(s) of Concern (COCs)	
		Soil (sewer SWMUs = sediment)	Ground Water (sewer SWMUs = sewer water)
<i>Quonset Hut C AOC</i>		<i>none</i>	<i>none</i>
<i>Quonset Hut B AOC</i>		<i>PAHs*</i>	<i>none</i>
<i>Former Solvent Recovery Room AOC</i>		<i>none</i>	<i>none</i>
<i>Former Filter Room AOC</i>		<i>none</i>	<i>none</i>
<b>AOC Beneath Buildings</b>	<b>Former "Beartex" Sump Pit SWMU/ Building #61 Doorway Spill AOC</b>	toluene, PAHs*	toluene, phenols
	<b>Building #58 AOC</b>	toluene, heptane, VOC TICs, phenols	toluene
	<b>Former Text Pit AOC</b>	toluene, heptane, phenols	toluene, phenols
	<b>Former Solvent Line AOC</b>	toluene, heptane, VOC TICs, phenols, PAHs*	toluene, VOC TICs, phenols
	<b>Former Tank Farm SWMU</b>	toluene, heptane, VOC TICs, phenols	FPP, toluene, heptane, VOC TICs
	<b>Storm Sewer SWMU</b>	PAHs	PAHs
	<b>Sanitary Sewer SWMU</b>	<i>PAHs</i>	<i>PAHs, phthalates, phenols</i>
	<b>Off-Site AOC</b>	<i>none</i>	toluene

\* The presence of PAHs in these areas was clearly associated with historical cinder/fill materials. Based upon the absence of a risk of exposure or off-site migration, the soil PAHs will not be further investigated or addressed as COCs at the Site. See Section 4.5 for more details.

*Italicized AOCs - No Further Action (NFA) proposed*

**Table 10-2**  
**Technology Screening Matrix**  
**Former Norton/Nashua Facility**  
**Watervliet, New York**

**OFF-SITE AREAS**

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<b>TREATMENT TECHNOLOGY</b>	<b>Applicability/ Effectiveness (A)</b>	<b>Reliability/ Risks (R)</b>	<b>Permissibility/Ease of Implementation (P)</b>	<b>Costs (C)</b>	<b>Treatment Time (T)</b>	<b>Total Score = A*R*P*(C+T)</b>	<b>Rank</b>
Ground-Water Extraction	2.0	1.0	1.5	2.0	1.5	11	8
Soil Vapor Extraction (SVE)	3.0	1.5	2.0	2.5	2.0	41	5
Dual-Phase Vapor Extraction (DPVE)	2.5	1.5	1.5	1.5	2.0	20	7
In-Situ Air Sparging (IAS)*	3.0	1.5	1.5	2.5	2.0	30	6
Soil Excavation and Off-Site Disposal**	2.0	1.5	1.0	1.0	2.5	11	8
Vacuum Truck Extraction	2.0	1.5	3.0	4.5	2.0	59	4
In-Situ Chemical Oxidation (ISCO)	3.5	2.0	1.5	4.0	3.0	74	3
<b>Monitored Natural Attenuation (MNA)</b>	<b>4.5</b>	<b>2.5</b>	<b>3.0</b>	<b>5.0</b>	<b>1.5</b>	<b>219</b>	<b>1</b>
<b>Enhanced Bioremediation</b>	<b>4.0</b>	<b>2.5</b>	<b>2.5</b>	<b>4.5</b>	<b>2.0</b>	<b>163</b>	<b>2</b>
Passive PSH Recovery	NA	NA	NA	NA	NA	NA	NA

\* Ranking assumes concurrent SVE.

NA = technology not applicable for this area

**Total Scores/Ranks in bold are considered feasible.**

**Table 10-2**  
**Technology Screening Matrix**  
**Former Norton/Nashua Facility**  
**Watervliet, New York**

**BENEATH MAIN BUILDING**

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<b>TREATMENT TECHNOLOGY</b>	<b>Applicability/ Effectiveness (A)</b>	<b>Reliability/ Risks (R)</b>	<b>Permissibility/Ease of Implementation (P)</b>	<b>Costs (C)</b>	<b>Treatment Time (T)</b>	<b>Total Score = A*R*P*(C+T)</b>	<b>Rank</b>
Ground-Water Extraction	2.0	1.0	1.5	2.0	1.5	11	9
Soil Vapor Extraction (SVE)	3.0	1.5	2.0	2.5	2.0	41	5
Dual-Phase Vapor Extraction (DPVE)	2.5	1.5	1.5	1.5	2.0	20	8
In-Situ Air Sparging (IAS)*	3.0	1.5	1.5	2.5	2.0	30	6
Soil Excavation and Off-Site Disposal**	2.5	2.5	1.0	1.0	3.0	25	7
<b>Vacuum Truck Extraction**</b>	<b>2.5</b>	<b>2.0</b>	<b>3.0</b>	<b>4.5</b>	<b>2.0</b>	<b>98</b>	<b>4</b>
<b>In-Situ Chemical Oxidation (ISCO)</b>	<b>4.0</b>	<b>2.5</b>	<b>1.5</b>	<b>4.0</b>	<b>3.0</b>	<b>105</b>	<b>3</b>
<b>Monitored Natural Attenuation (MNA)</b>	<b>3.5</b>	<b>2.0</b>	<b>3.0</b>	<b>5.0</b>	<b>1.5</b>	<b>137</b>	<b>2</b>
<b>Enhanced Bioremediation</b>	<b>4.0</b>	<b>2.5</b>	<b>3.0</b>	<b>4.0</b>	<b>2.5</b>	<b>195</b>	<b>1</b>
Passive PSH Recovery	NA	NA	NA	NA	NA	NA	NA

\* Ranking assumes concurrent SVE.

NA = technology not applicable for this area

\*\* Ranking assumes secondary treatment phase via alternate technology.

**Total Scores/Ranks in bold are considered feasible.**

**Table 10-2**  
**Technology Screening Matrix**  
**Former Norton/Nashua Facility**  
**Watervliet, New York**

**FORMER TANK FARM**

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<b>TREATMENT TECHNOLOGY</b>	<b>Applicability/ Effectiveness (A)</b>	<b>Reliability/ Risks (R)</b>	<b>Permissibility/Ease of Implementation (P)</b>	<b>Costs (C)</b>	<b>Treatment Time (T)</b>	<b>Total Score = A*R*P*(C+T)</b>	<b>Rank</b>
Ground-Water Extraction	2.0	1.0	1.5	2.0	1.5	11	10
Soil Vapor Extraction (SVE)	3.0	1.5	2.0	2.5	2.0	41	6
Dual-Phase Vapor Extraction (DPVE)	2.5	1.5	1.5	1.5	2.0	20	8
In-Situ Air Sparging (IAS)*	2.0	1.5	1.5	2.5	2.0	20	8
<b>In-Situ Chemical Oxidation (ISCO)</b>	<b>3.5</b>	<b>2.0</b>	<b>2.0</b>	<b>3.5</b>	<b>3.0</b>	<b>91</b>	<b>5</b>
<b>Soil Excavation and Off-Site Disposal**</b>	<b>4.0</b>	<b>2.5</b>	<b>2.0</b>	<b>2.0</b>	<b>3.0</b>	<b>100</b>	<b>4</b>
<b>Vacuum Truck Extraction***</b>	<b>3.0</b>	<b>2.0</b>	<b>3.0</b>	<b>4.0</b>	<b>2.0</b>	<b>108</b>	<b>3</b>
<b>Passive PSH Recovery***</b>	<b>3.0</b>	<b>2.0</b>	<b>3.0</b>	<b>5.0</b>	<b>2.0</b>	<b>126</b>	<b>2</b>
Monitored Natural Attenuation (MNA)	1.5	1.0	3.0	5.0	1.0	27	7
<b>Enhanced Bioremediation***</b>	<b>3.5</b>	<b>2.0</b>	<b>3.0</b>	<b>4.0</b>	<b>2.5</b>	<b>137</b>	<b>1</b>

\* Ranking assumes concurrent SVE.

\*\* Ranking assumes secondary treatment phase via alternate technology.

**Total Scores/Ranks in bold are considered feasible.**

\*\*\* Ranking assumes additional treatment via alternate technology.

**Table 10-3**  
**Selected Corrective Measure Alternative(s)**  
**Former Norton/Nashua Facility**  
**Watervliet, New York**

	AOC/SWMU	Compound(s) of Concern (COCs)		Selected Corrective Measure Alternative(s)
		Soil	Ground Water	
	<i>Quonset Hut C AOC</i>	<i>none</i>	<i>none</i>	<i>No Further Action</i>
	<i>Quonset Hut B AOC</i>	<i>PAHs*</i>	<i>none</i>	<i>No Further Action</i>
	<i>Former Solvent Recovery Room AOC</i>	<i>none</i>	<i>none</i>	<i>No Further Action</i>
	<i>Former Filter Room AOC</i>	<i>none</i>	<i>none</i>	<i>No Further Action</i>
	<i>Sanitary Sewer SWMU</i>	<i>PAHs</i>	<i>PAHs, phenols, phthalates</i>	<i>No Further Action</i>
<b>AOC Beneath Buildings</b>	<b>Former "Beartex" Sump Pit SWMU/ Building #61 Doorway Spill AOC</b>	toluene, PAHs*	toluene, phenols	enhanced bioremediation (and contingent EFR) or ISCO (and contingent EFR) followed by MNA
	<b>Building #58 AOC</b>	toluene, heptane, VOC TICs, phenols	toluene	
	<b>Former Text Pit AOC</b>	toluene, heptane, phenols	toluene, phenols	
	<b>Former Solvent Line AOC</b>	toluene, heptane, VOC TICs, phenols, PAHs*	toluene, VOC TICs, phenols	
	<b>Former Tank Farm SWMU - FPP</b>	-	FPP	passive FPP recovery, EFR
	<b>Former Tank Farm SWMU</b>	toluene, heptane, VOC TICs, phenols	toluene, heptane, VOC TICs	soil excavation and/or enhanced bioremediation, ISCO, MNA
	<b>Storm Sewer SWMU</b>	PAHs	PAHs	sediment removal, sewer sediment/water monitoring
	<b>Off-Site AOC</b>	none	toluene	MNA

\* Soil PAHs will not be further investigated or addressed as COCs at the Site. See Section 4.5 for more details.

EFR = enhanced fluid recovery (vacuum truck or similar), ISCO = in-situ chemical oxidation, MNA = monitored natural attenuation