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environmental and engineering excellence

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January 29, 1988

Ms. Barbara Newman
U.S. Environmental Protection Agency
Region I
J.F.K. Federal Building
Boston, Massachusett 02203

Re: UniFirst Corporation, Woburn, Massachusetts

Dear Ms. Newman:

Enclosed is a summary table that includes the latest round of analyses from on-site and off-site wells that have been installed by UniFirst. This updated table includes information from two newly installed Solinst devices at Well UC-11 and UC-12. UC-11 is adjacent to EPA Well 63 and UC-12 is adjacent to EPA Well S-69.

Please call me should you have any questions regarding these data.

Sincerely,

Jeffrey T. Lawson, P.G.
Senior Program Manager

JTL/lw

enclosure

cc: David Delaney

SUMMARY OF VOC ANALYTICAL RESULTS FOR GROUND-WATER SAMPLES
TAKEN FROM SOLINST DEVICES AT UNIFIRST, WOBURN
MICROGRAMS PER LITER (PARTS PER BILLION)

WELL NO.	DEPTH OF PORT (FEET BELOW GROUND SURFACE)	DATE	ANALYSIS METHOD	TETRACHLORO-ETHENE	TRICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHENE	1,1,1 TRICHLORO-ETHANE	1,1 DICHLORO-ETHANE	1,1 DICHLORO-ETHENE	TOLUENE	ACETONE	CARBON TETRACHLORIDE
UC4	10-20	11/30/87	624	33	ND	ND	ND	ND	ND	ND	ND	ND
	SCREEN INTERVAL											
UC5	9-19	11/30/87	624	1500	8	ND	620	4.3	5.5	ND	ND	ND
	SCREEN INTERVAL											
UC6	33-43	11/30/87	624	43	2.4	ND	ND	ND	ND	ND	ND	ND
	SCREEN INTERVAL	11/30/87	624	97	6.9	ND	ND	ND	ND	ND	ND	ND
UC7-5	15	2/3/87	624	820	100	59	21	11	ND	65	ND	ND
		8/26/87	624	95	4.1	2.3	3	2.2	ND	110	ND	ND
		12/1/87	624	100	5.2	4.8	ND	ND	ND	400	ND	ND
UC7-4	41	2/3/87	624	820	21	56	110	ND	ND	ND	ND	15
		8/26/87	624	3300	99	62	260	140	40	6.7	ND	ND
		12/1/87	624	9400	160	130	600	230	81	9.8	ND	ND
UC7-3	75	2/3/87	624	7900	550	150	140	410	150	76	ND	20
		8/26/87	624	6700	200	85	150	390	71	30	ND	ND
		12/1/87	624	13000	460	330	820	1100	130	53	ND	ND
UC7-2	104	2/3/87	624	17000	200	170	1600	330	120	24	ND	220
		8/25/87	624	17000	180	700	1700	330	50	ND	ND	ND
		8/26/87	624	13000	140	600	1400	370	ND	ND	ND	ND
		12/1/87	624	17000	200	290	1400	950	170	58	ND	ND
UC7-1	138	2/3/87	624	7100	110	64	420	25	ND	ND	ND	34
		8/26/87	624	6900	89	170	550	ND	ND	ND	ND	ND
		12/1/87	624	12000	100	200	530	40	ND	53	ND	ND
UC9-6	37	6/15/87	624	ND	ND	ND	ND	ND	ND	ND	ND	ND
		8/26/87	624	ND	ND	ND	ND	ND	ND	ND	ND	ND
		8/26/87	624	ND	ND	ND	ND	ND	ND	ND	ND	ND
		12/1/87	624	ND	ND	ND	ND	ND	ND	17	ND	ND
UC9-5	60	6/15/87	Not sampled because drive-gas leaks in the system prevented sampling.									
		8/26/87	Not sampled because drive-gas leaks in the system prevented sampling.									
		12/1/87	Not sampled because drive-gas leaks in the system prevented sampling.									
UC9-4	112	6/15/87	624	2500	ND	ND	ND	ND	ND	ND	ND	ND
		8/26/87	624	1300	ND	24	60	ND	ND	ND	ND	ND
		12/1/87	624	1000	14	23	48	7.9	ND	7.8	ND	ND
UC9-3	149	6/15/87	624	40	ND	ND	ND	ND	ND	6	ND	ND
		8/26/87	624	490	ND	ND	15	ND	ND	16	ND	ND
		12/1/87	624	820	19	33	53	5.6	ND	16	ND	ND

WELL NO.	DEPTH OF PORT (FEET BELOW GROUND SURFACE)	DATE	ANALYSIS METHOD	TETRACHLORO-ETHENE	TRICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHENE	1,1,1 TRICHLORO-ETHANE	1,1 DICHLORO-ETHANE	1,1 DICHLORO-ETHENE	TOLUENE	ACETONE	CARBON TETRACHLORIDE
UC9-2	181	6/15/87	624	520	29	ND	ND	ND	ND	ND	ND	ND
		8/26/87	624	300	14	ND	ND	ND	ND	74	ND	ND
		12/1/87	624	280	34	11	2.5	3.1	ND	94	ND	ND
		12/1/87	624	280	24	10	2.2	4.2	ND	95	ND	ND
UC9-1	238	6/15/87	624	7	ND	ND	ND	ND	ND	ND	ND	ND
		8/27/87	624	110	4	3.6	5	ND	ND	ND	ND	ND
UC10-6	93	6/8/87	624	1400	86	48	32	8	ND	15	ND	ND
		6/15/87	624	54	ND	ND	ND	ND	ND	7	72	ND
		8/26/87	624	74	3.8	ND	ND	ND	ND	13	ND	ND
		12/1/87	624	94	3.2	2.5	4.4	ND	ND	4.9	ND	ND
UC10-5	129	6/8/87	624	760	ND	ND	ND	ND	ND	ND	ND	ND
		6/15/87	624	880	40	27	ND	ND	ND	25	ND	ND
		8/26/87	624	290	ND	ND	ND	ND	ND	49	ND	ND
		12/1/87	624	140	10	ND	ND	ND	ND	23	ND	ND
UC10-4	158	6/8/87	624	480	31	24	ND	ND	ND	245	ND	ND
		6/15/87	624	2300	ND	ND	ND	ND	ND	140	ND	ND
		8/26/87	624	5500	130	ND	ND	ND	ND	130	ND	ND
		12/1/87	624	3100	170	65	66	8.5	4.9	68	ND	ND
UC10-3	181	6/8/87	Not sampled because drive-gas leaks in the system prevented sampling.									
		6/15/87	624	32	ND	14	ND	ND	ND	7	ND	ND
		8/25/87	624	1600	ND	ND	ND	ND	ND	123	ND	ND
		12/1/87	624	880	130	51	7.7	3.2	ND	91	ND	ND
UC10-2	227	6/8/87	624	570	38	44	24	ND	ND	ND	ND	ND
		6/15/87	624	22	ND	20	ND	ND	ND	6	110	ND
		8/26/87	624	4200	160	93	ND	ND	ND	130	ND	ND
		12/1/87	624	2600	150	100	30	10	5.6	110	ND	ND
UC10-1	243	6/8/87	624	39	8	21	7	ND	ND	6	ND	ND
		6/15/87	624	ND	10	10	ND	ND	ND	5	87	ND
		8/27/87	624	450	87	73	15	8.5	3.3	47	ND	ND
		12/1/87	624	180	28	23	3.6	2.3	ND	35	ND	ND
UC11-6	51	12/21/87	601	700	84	26	22	ND	ND	-	-	ND
UC11-4	172	12/21/87	601	28	12	8.9	ND	3.8	ND	-	-	ND
		12/22/87	601	110	67	42	3.6	28	3.9	-	-	ND
UC11-3	211	12/21/87	601	880	150	41	ND	34	ND	-	-	ND
UC11-2	273	12/21/87	601	340	130	66	28	29	6	-	-	ND
		12/21/87	601	330	120	64	25	23	5.6	-	-	ND
UC11-1	335	12/21/87	601	6.3	14	19	ND	8.7	1.1	-	-	ND
UC12-6	60	12/22/87	601	ND	ND	ND	ND	ND	ND	-	-	ND
UC12-5	92	12/22/87	601	ND	ND	ND	ND	ND	ND	-	-	ND

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UC12-4	161	12/22/87	601	ND	ND	ND	ND	ND	ND	-	-	ND
UC12-3	199	12/22/87	601	6.1	5.3	2.3	ND	1.3	ND	-	-	ND
		12/22/87	601	6.8	5.7	2.4	ND	ND	ND	-	-	ND
UC12-2	276	12/22/87	601	ND	ND	ND	ND	ND	ND	-	-	ND
UC12-1	343	12/22/87	601	ND	ND	ND	ND	ND	ND	-	-	ND

NOTES:

1. ND = Not detected
   - = Not reported
2. The field and shipping blanks for 6/8/87, 6/15/87, 8/26/87, and 8/27/87 contained no detectable concentrations of VOCs. The field blank and several samples taken on 2/3/87 contained methylene chloride. The shipping blank prepared on 2/2/87 and that accompanying the 2/3/87 sample vials contained no detectable concentrations of VOCs.
3. The detection limits vary substantially among the parameters analyzed for and the samples. Refer to the laboratory data sheets for specific detection limits.
4. The field and shipping blanks for 12/1/87, 12/21/87, and 12/22/87 contained no detectable concentrations of VOCs.