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MEMORANDUM TO FILE

DATE: August 24, 1993

SUBJECT: **Possible "Downgradient Spreading" of the VOC Plume into a New Area at Sparton Technology, Inc., Albuquerque**

The following information relates to the analytical data obtained during the recent (July 26-27, 1993) CME conducted at ST. VOC's had not been detected previously (10/90 and 6/91) via Method 8240 in MW-61, screened in the Upper Flow Zone (UFZ). In the 7/93 CME split sampling event, TCE and other VOC's were detected analytically. Although there is a possibility that this VOC occurrence in MW-61 may be sourced from another facility, upgradient and on-site monitoring wells (MW-15 and MW-41), sampled during this CME, also have the same "signature" VOC contamination (concentrations in ppb):

	<u>MW-61</u>	<u>MW-15</u>	<u>MW-41</u>
TCE	410	61	380
DCE	14	5	83
TCA	5	24	110
PCE	3	1	7

These data suggest strongly that the VOC contaminant plume at ST is spreading or dispersing in a "new" (i.e. previously unrecognized) lateral (?) direction to the northwest of the known southwesterly contaminant flow direction. The reasons for this "new direction" are unknown currently because there are insufficient data. It is also unknown whether any "local" production well pumping may be causing the VOC plume to be spreading to the northwest.

More investigation and possibly additional monitoring wells are warranted. EPA (Region VI) has been informed, and copies of the CME analytical data have been sent to EPA.

Ron Kern, Technical Compliance Program, HRMB

cc: Steve Alexander