MASSACHUSETTS INSTITUTE OF TECHNOLOGY

DEPARTMENT OF CHEMISTRY
CAMPRIDGE, MASSACHUSETTS 02:39

June 25, 1978

Robert W. Vosticys
Notice of Space Science Data Center
Good of Space Hight Center
Code 601
Granbelt, Maryland 20771

Dear Mr. Vosus ::

Under sep rate cover we are sending six (6) magnetic tapes and two (2) microi has representing the organic analysis portion of the Viking Molecular analysis data. This represents from 1, 2, and 3 listed in the attachment of my letter of November 17, 1977 to you. It may be the attachment data, will be forthcoming shouldy.

the attached example and key. A correlation of experiments and metric tape is also attached [entitled "formats it vising Molec of Auritysis (GC-MS) EDR's]. The tapes are 9 track, and compatible, unlabelled, 800 Lpi. For further information, prospective users of the data should contact Dr. James E. Biller. Description of Chemister, Room 56-025, M.I.T., Cambridge, MA 02139, (617) 13-7232. Detailed documentation of the tape and data formats will be sent under separate cover by Dr. Biller within a short time.

Very truly yours,

K. Biemann
Finitessor of Chemistry
Tubb Leader.
Viking Molecular Analysis Team

KalmIn

xes Or. Conway Snyder IPL

Identification number ^a	Date of Analysis	Oven Temperature (°C)	Mode	Oven Purge Gas	Time column held at 200° (minutes)	Oven No.	Tape Raw Data	Tape No. aw Proc. ata Data
								r r
	VL-1 Cruise	lise Blank						
10003	Cruise	\$00	Hydrous	13 _{C02}	36	H	Ħ	m
	VL-1 Sample 1		(Subsurface); acquired on Sol 8	on Sol 8				
10015	Sol 17	200°	Hydrous	13 _{CO2}	18	-	H	m
10018	Sol 23	200	Anhydrous	13 _{C02}	36	s=4	н	ю
	VL-1 Sample 2	_	(Surface); acquired on Sol 31	Sol .31				
10023	Sol 32	350	Hydrous	13c02	54	7	7	ന
10024	Sol 37	200	Hydrous	13 _{CO2}	54	7	2	ო
10025	Sol 43	\$00°	Hydrous	13 _{C02}	36	7	7	ะก

Identification numbera	Date of Analysis	Oven Temperature (°C)	Mode	Oven Purge Gas	Time column held at 200° (minutes)	Oven	Tape Raw Data	No. Proc.
							22	
	VL-Z Cru	VL-2 Cruise Blank						
10007	Cruise	200	Hydrous	13002	36	7	4	9
					,			
	VL-Z Samp.	VL-Z Sample 1 (Bonneville Duracrust);	e Duracrust);	acquired on	Sol 21			
10032	Sol 24	200	Hydrous	н2	36	2	4	9
10033	Sol 26	350°	Hydrous	H ₂	36	7	7	ø
10034	Sol 35	500	Hydrous	H ₂	36	84	7	9
10035	Sol 37	200	Hydrous	13002	36	7	4	o [®]
	777	TITLE Comment of Comments of C		,				
10036	6-1 7.1			acquired on so.	à	,	u	,
7000	T# TOS	-00	ayarons	H 2	30	ຠ	n	ø
10037	Sol 43	200。	Hydrous	H ₂	36	ო	٧	9
10038	Sol 45	350°	Hydrous	H ₂	36	m	S	9
10039	So1 47	2000	Hydrous	H ₂	36	ന	2	9
10041	Sol 61	200°	Hydrous	13co2	36	m	50	9

KEY TO PRESENTATION OF DATA ON MICROFILM

- a. M.I.T. Identification Number
- b. M.I.T. Scan Number (=c-282)
- c. Mission Scan Number
- d. Upper Spectrum---complete spectrum (normalized to most abundant ion)
- e. Lower Spectrum---peaks below m/e47 deleted (normalized to most abundant ion > m/e 47)
- f. m/e
- g. Effluent Divider Status
- h. Intensity of most abundant ion in arbitrary units (maximum 9,999,999 or 9.99 E + 06)

