TEM ISO Worksheet

Analyst	jh
Sample No.	**040827-02**
Date	7/28/2004
Sample Filter Area (mm2)	385
Lab Filter Area (mm2)	385
Number of Grids Analyzed	84
Average Grid Opening Area	0.011507831
Area Analyzed (mm2)	0.966657831
Scanning Mag	18000x
Volume (liters)	58.8
Analytical Sensitivity (s/L)	6.773460924
Analytical Sensitivity (s/cc)	0.006773461
Target Analytical Sensitivity	0.0033
Est GO's Needed:	173
Avg Number fo GO's to Analyze over 5 gri	35
Chi-square test	

Grid size (mm)	GO Area (mm2)	Grid	Number	Location	Struc No. Primary	Struc No. Total	ID	Class Prim	Class Tot	Class #S	Class #S>5	Length	Width	Aspect	neg #	EDS #	Elements	Comments	Tally PAS	Tally TAS	Tally AS>5	Tally AFB>5	Tally PCMES	Tally PCMEF	Tally PSAS5-10	Tally PSAS>10	Tally PSASTOT	Tally PSCH5-10	Tally PSCH>10	Tally PSCHTOT	Tally PSAM5-10	Tally PSAM>10	Tally PSAMTOT
50	0.01007	A	1	A20	1		CDO	MD		1	0	14	6	2.3					1		1												
						1	CDQ		MB			3.5	0.3	11.7	614	407	MG,SI			1													
50	0.01007		2	A22	NSD																												
50	0.01007		3	A42	NSD																												
50	0.01007		4	B10	2	2	CDQ	F				2.7	0.1	27.0					1	1													
					3	3	CMQ	F				2.7	0.06	45.0					1	1													
50	0.01007		5	B41	NSD																												
50	0.01007		6	B43	NSD																												
50	0.01007		7	B24	4	4		F				9.5	0.2	47.5	615	408	MG,SI	GEDRITE	1	1	1	1	1	1	1		1						
50	0.01007		8	B3	5		CDQ	MD		1	0	7	4	1.8					1		1												
						5	CDQ		MF			1.2	0.04	30.0						1													
50	0.01007		9	C10	6	6	CDQ	B				1.5	0.3	5.0					1	1													
					7	7	CMQ	F				1	0.05	20.0					1	1													
50	0.01007		10	C22	8	8	CMQ	F				7	0.1	70.0					1	1	1	1			1		1	1		1			
50	0.01007		11	C34	NSD																												
50	0.01007		12	C42	9	9	CDQ	F				1.5	0.1	15.0					1	1													
					10	10	CDQ	F				1.8	0.1	18.0					1	1													
					11	11	CDQ	F				0.7	0.1	7.0					1	1													
50	0.01007		13	C30	12	12	CDQ	B				14	0.4	35.0					1	1	1	1	1	1		1	1		1	1			
					13	13	CDQ	F				8	0.2	40.0					1	1	1	1	1	1	1		1	1		1			
50	0.01007		14	D20	14		CDQ	MD		1	0	25	15	1.7					1		1												
						14			MF			1.1	0.05	22.0						1													
50	0.01007		15	D33	15	15	CDQ	F				4	0.06	66.7					1	1													
50	0.01007		16	D13	NSD																												
50	0.01007		17	D1	NSD																												
50	0.01007		18	A13	NSD																												
50	0.01007		19	A40	16	16	CMQ	F				2.6	0.06	43.3					1	1													
50	0.01007		20	B21	NSD																												
50	0.01007		21	B33	NSD																												
50	0.01007		22	B3	NSD																												
50	0.01007		23	B1	17		CDQ	MD		1	1	15	3.5	4.3					1		1												
						17	CDQ		MF			12	0.1	120.0	616	409	MG,SI			1					1	1		1	1			
50	0.01007		24	C13	18		CDQ	MD		1	0	10	5	2.0					1		1												
						18	CDQ		MF			1.6	0.09	17.8						1													
					19		CDQ	MD		1	0	3.5	1	3.5					1														
						19			MF			1.6	0.1	16.0						1													
50	0.01007		25	C32	20		CMQ	MD		1	0	13	6	2.2					1		1												
						20	CMQ		MF			1.7	0.06	28.3						1													
					21		CMQ	MD		1	1	7	1.5	4.7					1		1		1										
						21	CMQ		MF			5.1	0.1	51.0						1					1		1	1		1			
50	0.01007		26	C40	NSD																												
50	0.01007		27	C11	NSD																												
50	0.01007		28	C14	22	22	CDQ	F				4	0.15	26.7					1	1													
50	0.01007	B	29	C24	23		CDQ	MD		1	0	8	3.5	2.3					1		1												
						23	CDQ		MF			3.5	0.12	29.2						1													
					24	24	CDQ	F				8	0.1	80.0					1	1	1	1			1		1	1		1			
					25		CDQ	MD		1	0	8	3.5	2.3					1		1												
						25	CDQ		MF			4	0.15	26.7						1													
					26		CMQ	MD		1	1	7.5	5	1.5					1		1												
						26	CMQ		MF			5	0.15	33.3						1													
50	0.01007		30	C23	27	27	CMQ	F				3	0.12	25.0					1	1													
50	0.01007		31	C33	28		CMQ	MD		1	0	2	1	2.0					1														
						28	CMQ		MF			2	0.12	16.7						1													
50	0.01007		32	C43	29	29	CDQ	F				1	0.12	8.3					1	1													
50	0.01007		33	B43	NSD																												
50	0.01007		34	B33	30		CMQ	MD		1	0	5.5	2.5	2.2					1		1												
						30	CMQ		MF			2	0.1	20.0						1													
					31		CMQ	MD		1	0	3.5	1	3.5					1														
						31	CMQ		MF			0.8	0.1	8.0						1													
50	0.01007		35	B13	32	32	CDQ	B				8	0.2	40.0					1	1	1	1	1	1	1		1	1		1			
					33		CMQ	MD		1	0	8	6	1.3					1		1												
						33	CMQ		MF			1	0.15	6.7						1													
					34		CMQ	MD		1	0	4	1	4.0					1														
						34	CMQ		MF			1	0.1	10.0						1													
50	0.01007		36	B3	NSD																												
50	0.01007		37	B2	35	35	CDQ	F				4	0.1	40.0					1	1													
50	0.01007		38	C2	36	36	CMQ	F				2	0.1	20.0					1	1													
					37	37	CMQ	F				4	0.12	33.3					1	1													
50	0.01007		39	C12	38	38	CMQ	F				1.8	0.1	18.0					1	1													
					39		CDQ	MD		1	0	5	1	5.0					1														
						39	CDQ		MF			4	0.1	40.0						1													
50	0.01007		40	C22	NSD																												
50	0.01007		41	C10	NSD																												

50	0.01007		42	C20	NSD																													
50	0.01007		43	A41	40		CMQ	MD		1	0	5.5	4	1.4					1		1													
						40	CMQ		MF			1	0.08	12.5						1														
50	0.01007		44	A31	41		CMQ	MD		1	0	4	2	2.0					1															
						41	CMQ		MF			1.8	0.12	15.0						1														
			45	A21	42		CDQ	MD		1	0	8	5	1.6					1		1													
						42	CDQ		MF			1	0.05	20.0						1														
50	0.01007		46	A11	NSD																													
50	0.01007		47	D41	43	43	CDQ	F				5	0.2	25.0					1	1														
					44	44	CDQ	F				11	0.15	73.3					1	1	1	1				1	1		1	1				
					45		CDQ	MD		2	0	11	5	2.2					1		1													
						45	CDQ		MF			4	0.08	50.0						1														
						46	CDQ		MF			3.8	0.1	38.0						1														
50	0.01007		48	A42	46		CMQ	MD		1	0	4.5	1.8	2.5					1															
						47	CMQ		MF			0.8	0.1	8.0						1														
50	0.01007		49	A32	47		CDQ	MD		1	1	7	2.5	2.8					1		1													
						48	CDQ		MF			6	0.05	120.0						1					1		1	1		1				
50	0.01007		50	A22	48	49	CDQ	MC		+	0	8	4	2.0					1	1	1													
					49		CMQ	MD		1	0	4	1.5	2.7					1															
						50	CMQ		MF			0.8	0.15	5.3						1														
50	0.01007		51	A12	50	51	CMQ	F				1.2	0.1	12.0					1	1														
50	0.01007		52	A2	NSD																													
50	0.01007		53	D2	51	52	CMQ	F				1	0.1	10.0					1	1														
50	0.01007		54	D22	52		CDQ	MD		1	0	8	1.5	5.3					1		1		1											
						53	CDQ		MF			8	0.12	66.7						1					1		1	1		1				
					53	54	CMQ	B				2.5	0.5	5.0					1	1														
50	0.01007		55	D32	54		CDQ	MD		1	0	7	4	1.8					1		1													
						55	CDQ		MF			1.5	0.1	15.0						1														
50	0.01007		56	D42	NSD																													
50	0.01007		57	A33	55	56	CMQ	F				2	0.1	20.0					1	1														
					56		CMQ	MD		1	0	3.5	1	3.5					1															
						57	CMQ		MF			1	0.05	20.0						1														
60	0.01449	C	58	B14	57	58	CMQ	F				2.5	0.1	25.0					1	1														
					58	59	CDQ	F				1.8	0.1	18.0					1	1														
60	0.01449		59	B4	59	60	CMQ	F				4	0.1	40.0					1	1														
					60	61	CMQ	F				4.5	0.1	45.0					1	1														
					61	62	CMQ	F				0.8	0.15	5.3					1	1														
					62	63	CMQ	F				1	0.1	10.0					1	1														
60	0.01449		60	C4	63	64	CMQ	F				1	0.1	10.0					1	1														
					64	65	CMQ	F				1	0.08	12.5					1	1														
60	0.01449		61	B13	65	66	CDQ	F				1.2	0.1	12.0					1	1														
60	0.01449		62	B3	NSD																													
60	0.01449		63	C3	66		CDQ	MD		1	0	3.5	0.8	4.4					1															
						67	CDQ		MF			3	0.1	30.0						1														
60	0.01449		64	C13	67		CMQ	MD		1	0	10	5	2.0					1		1								1					
						68	CMQ		MF			1.5	0.03	50.0						1														
					68		CMQ	MD		1	0	13	10	1.3					1		1								1					
						69	CMQ		MF			4	0.11	36.4						1														
60	0.01449		65	B2	69	70	CMQ	F				4	0.08	50.0					1	1														
					70		CMQ	MD		1	0	2	0.8	2.5					1															
						71	CMQ		MF			1	0.1	10.0						1														
					71		CMQ	MD		1	0	10	6	1.7					1		1													
						72	CMQ		MF			0.8	0.12	6.7						1														
					72		CDQ	MD		1	1	9	1	9.0					1		1		1											
						73	CDQ		MF			8	0.15	53.3						1					1		1	1		1				
60	0.01449		66	C2	73		CMQ	MD		1	0	3	1	3.0					1															
						74	CMQ		MF			1.2	0.1	12.0						1														
60	0.01449		67	C12	74		CMQ	MD		1	0	5.5	3.5	1.6					1		1													
						75	CMQ		MF			1	0.08	12.5						1														
60	0.01449		68	B21	75	76	CDQ	B				5.5	0.35	15.7					1	1	1	1	1	1	1		1	1		1				
60	0.01449		69	B11	NSD																													
60	0.01449		70	B1	NSD																													
60	0.01449		71	C1	76		CMQ	MD		2	0	7	2	3.5					1		1		1											
						77	CMQ		MF			3	0.1	30.0						1														
						78	CMQ		MF			0.8	0.1	8.0						1														
					77	79	CDQ	F				2.2	0.12	18.3					1	1														
					78	80	CMQ	F				2	0.08	25.0					1	1														
60	0.01449		72	C11	79	81	CDQ	F				3.8	0.2	19.0					1	1														
					80		CMQ	MD		1	0	4	0.8	5.0					1															
						82	CMQ		MF			3	0.1	30.0						1														
					81	83	CDQ	F				1	0.1	10.0					1	1														
					82		CMQ	MD		1	0	3.8	1	3.8					1															
						84	CMQ		MF			3.8	0.12	31.7						1														
					83	85	CDQ	F				2	0.1	20.0					1	1														
60	0.01449		73	C10	84		CMQ	MD		1	1	8	1.5	5.3					1		1		1											
						86	CMQ		MF			6	0.11	54.5						1					1		1	1		1				
					85	87	CMQ	F				1	0.1	10.0					1	1														
					86	88	CDQ	F				4	0.11						1	1														
					87		CMQ	MD		1	0	2	0.8	2.5					1															
						89	CMQ		MF			0.8	0.1	8.0						1														
60	0.01449		74	A20	NSD																													
60	0.01449		75	A10	88		CMQ	MD		1	0	3	1	3.0					1															
						90	CMQ		MF			0.8	0.08	10.0						1														
60	0.01449		76	D20	89	91	CMQ	F				1.5	0.1	15.0					1	1														
60	0.01449		77	D11	NSD																													
60	0.01449		78	D21	90	92	CMQ	F				1.5	0.11	13.6					1	1														
					91	93	CMQ	F				4	0.1	40.0					1	1														
					92		CMQ	MD		1	0	2	1.5	1.3					1															
						94	CMQ		MF			0.8	0.15	5.3						1														
60	0.01449		79	D31	93		CDQ	MD		1	0	25	8	3.1					1		1													
						95	CDQ		MF			3.5	0.1	35.0						1														
60	0.01449		80	D41	94	96	CDQ	F				3.8	0.1	38.0					1	1														
					95	97	CMQ	F				2.5	0.1	25.0					1	1														

60	0.01449		81	A12	NSD																														
60	0.01449		82	A2	96		CMQ	MD		1	0	2.5	2	1.3					1																
						98	CMQ		MF			2	0.1	20.0						1															
60	0.01449		83	D2	97		CMQ	MD		1	0	7	6	1.2					1		1														
						99	CMQ		MF			0.8	0.1	8.0						1															
					98		CMQ	MD		1	0	5	2	2.5					1																
						100	CMQ		MF			2.5	0.11	22.7						1															
60	0.01449		84	D12	99		CMQ	MD		2	0	6	3	2.0					1		1														
						101	CMQ		MF			2	0.1	20.0						1															
						102	CMQ		MF			1	0.1	10.0						1															
					100		CMQ	MD		2	0	8	4	2.0					1		1														
						103	CMQ		MF			1	0.1	10.0						1															
						104	CMQ		MF			0.6	0.11	5.5						1															
					101		CDQ	MD		1	0	5	4	1.3					1																
						105	CDQ		MF			0.8	0.1	8.0						1															
					102		CDQ	MD		1	0	8	5	1.6					1		1														
						106	CDQ		MF			3	0.1	30.0						1															
					103		CMQ	MD		1	0	3.5	1	3.5					1																
						107	CMQ		MF			3.5	0.08	43.8						1															
					104	108	CMQ	F				3	0.1	30.0					1	1															
Totals	0.011507831		84		104	108													104	108	39	8	10	5	11	3	14	10	3	13	0	0	0		