Table A: Pilot - Second Round Randomly Selected Candidates for Carcinogenicity Evaluation

No.	Random #	Chemical Name	CAS Number	Use
1	1	ICRF-159	21416875	Experimental drug (not approved)
2	5	4-chloro-4'-aminodiphenyl-ether	101791	Additive to lubricants, flame retardants in rubber
3	8	C.I. acid red 51	16423680	Food dye
4	15	phenelzine sulfate	156514	Antidepressant drug
5	18	styrene	100425	Synthesis of polymers
6	21	tetrachlorvinphos	22248799	Insecticide
7	22	N-(2-methoxyethyl)-N-nitrosourea	108278702	Used for research on carcinogenesis
8	26	tris(2-ethylhexyl)phosphate (trioctyl phosphate)	78422	Flame retardant, plasticizer
9	35	p-benzoquinone dioxime (p-quinone dioxime)	105113	Accelerator in rubber manufacture
10	37	dehydroretronecine	23107122	Natural product of certain plants
11	48	hexachlorobutadiene	87683	Solvent for elastomers; heat-transfer liquid; transformer & hydraulic fluid; wash liquor for removing C4 & higher hydrocarbons.
12	54	FD&C blue no. 2	860220	Food coloring
13	56	dimethyldiazene-1-oxide (methylazoxymethane/azoxymethane)	25843452	Used for research on carcinogenesis
14	62	bis(4-chlorophenyl)sulfone (p,p'-dichlorophenylsulfone)	80079	Used in the synthesis of plastics
15	66	6-nitrobenzimidazole	94520	Used in photographic developers
16	68	malathion	121755	Insecticide
17	73	3'-methyl-4-dimethylamino-azobenzene	55801	Used for research on carcinogenesis
18	81	C.I. acid blue 9 and its salts	2650182	Dye for nylon, wool, other materials
19	82	lovastatin	75330755	Prescription drug used for treatment of hypercholesterolemia
20	84	chrysoidine (C.I. solvent orange 3)	532821	Dye for silk, cotton, oils, waxes
21	88	MX (3-chloro-4-(dichloro-methyl)-5-hydroxy-2(511)-furanone)	77439760	Chlorination byproduct/water contaminant
22	91	tribenuron methyl	101200480	Herbicide
23	108	4-chloro-m-phenylenediamine	5131602	Chemical research
24	109	6-methoxy-2-nitronaphtho-[1,8-bc]pyran	10502399	Used for research on carcinogenesis

25	112	pivalolactone	1955459	Intermediate in chemical synthesis
26	114	petasitenine	60102376	Used in folk medicine, herbal medicine
27	118	allyl isovalerate	2835394	Fragrance in cosmetics, flavoring agent
28	119	11-aminoundecanoic acid	2432997	Initiator in nylon synthesis
29	133	3-chloromethylpyridine hydrochloride	6959484	Chemical research
30	136	chlorinated paraffins (C23; 43% chlorine)	108171273	Used in waxes
31	142	1-butanol (n-butanol, n-butyl alcohol)	71363	Solvent (e.g., for fats and waxes); used in manufacturing (e.g., resins, rayon, detergents); used in microscopy for paraffin imbedding
32	159	estradiol mustard	22966796	Evaluated but not approved as anti-neoplastic drug
33	164	4-methylquinoline	491350	Used for research on carcinogenesis
34	169	sesamol	533313	Component of sesame seeds, used in pharmaceutical and food industries
35	179	2-bromo-2-methylpropane (tert-butyl bromide)	507197	Intermediate for chemical synthesis
36	182	3,3'-dimethoxybenzidine-4,4'-diisocyanate	91930	Not produced commercially in 1977. Current uses unknown
37	188	dibromomannitol	488415	Evaluated but not approved as anti-neoplastic drug
38	190	4-bis(2-hydroxyethyl)amino-2-(5-nitro-2-thienyl)-quinazoline	33372393	Evaluated but not approved as an anti-helminthic drug
39	192	omeprazole	73590586	Antacid drug
40	196	mexacarbate	315184	Pesticide for control of insects and mites
41	201	troysan polyphase (IPBC)	55406536	Wood preservative
42	202	N-nitrosomethyl-N-heptylamine	16338991	Used for research on carcinogenesis
43	210	ritalin (methylphenidate) and its hydrochloride	113451	Drug for treatment of hyperactive children
44	217	N'-ethyl-N-methyl-N-nitrosourea	72479131	Used for research on carcinogenesis
45	220	triadimenol	55219653	Fungicide
46	230	N,N'-diethylthiourea	105555	Accelerator for rubber production
47	232	diltiazem	42399417	Prescription drug for treatment of hypertension and angina
48	234	2,4,6-trimethylaniline & its hydrochloride (aminomesitylene)	88051	Intermediate for chemical synthesis

49	241	N-nitroso-N-pentylurea, (N-amyl-N-nitrosourea)	10589749	Used for research on carcinogenesis
50	244	bleomycin	11056067	Prescription drug used to treat certain types of cancer
51	254	carboxymethylnitrosourea (N-carbamoyl-N-nitroso-glycine)	60391926	Used for research on carcinogenesis
52	266	N'-ethyl-N-nitrosobutylamine	4549444	Used for research on carcinogenesis
53	270	1-butylhydrazine hydro-chloride (n-butylhydrazine hydrochloride)	56795654	Used for research on carcinogenesis
54	272	isophosphamide (ifosfamide)	3778732	Prescription drug used to treat certain cancers
55	274	2-amino-5-nitrothiazole	121664	Antiprotozoan drug for chickens
56	277	antipyrine (phenazone)	60800	Analgesic drug
57	278	tocopherol mix (E-mix 80*)	1406662	Mixture of tocopherols including vitamin E
58	280	trimethylthiourea	2489772	Accelerator for rubber production and curing agent
59	287	diclofop-methyl	51338273	Herbicide
60	297	4-ethylsulfonylnaphthalene-1-sulfonamide	842002	Evaluated but not approved as a drug