

5. LEVELS OF AGROCHEMICALS IN SOIL

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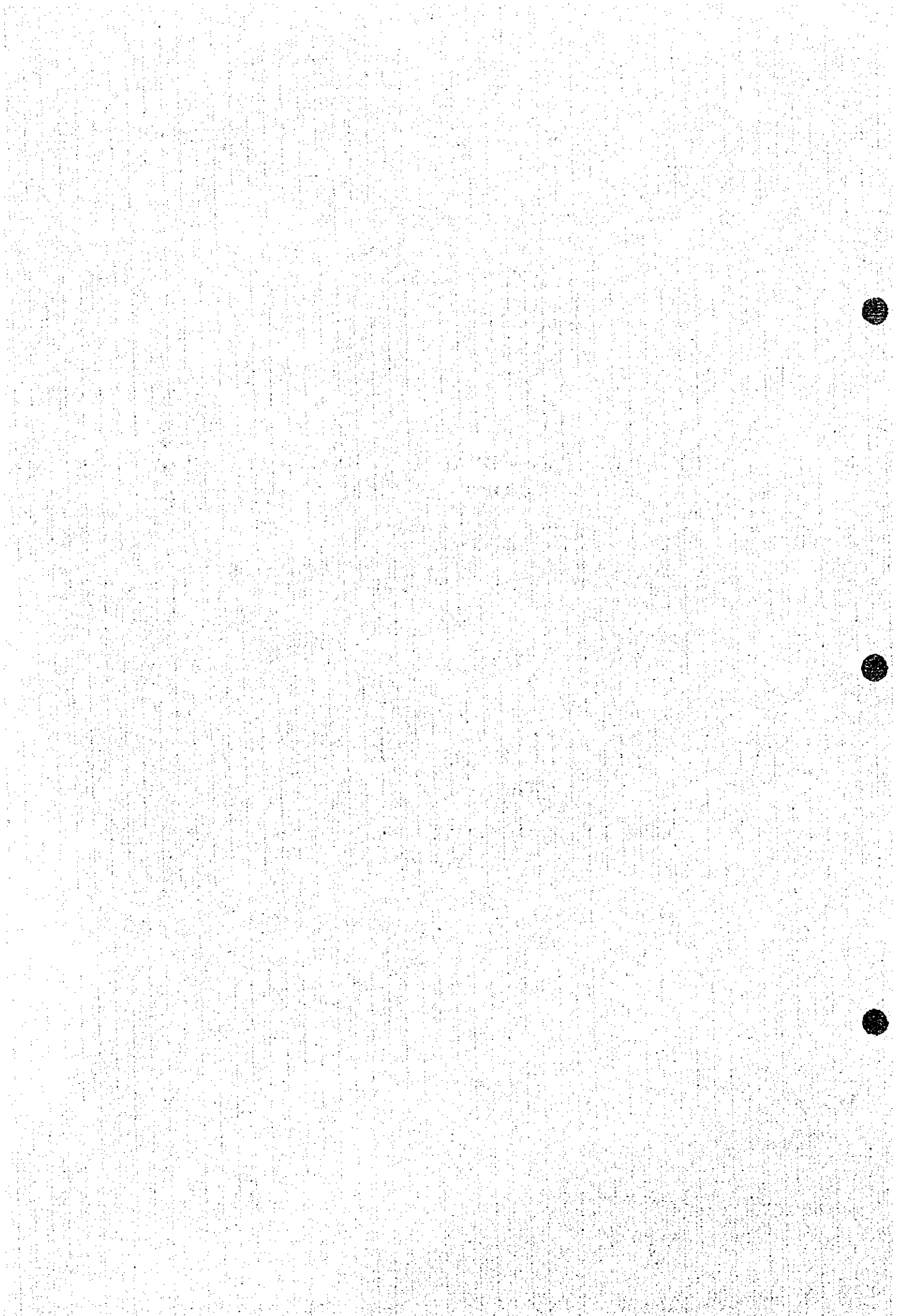
Levels of Agrochemicals in soil in Republic of Karakalpakstan (mg/kg)

		1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Amu Darya Region	DDT	0.814	0.892	0.052	0.711	0.063	0.122	0.031	0.103	0.064	0.057
Kipchak Sovkhoz	DDE	0.22	0.108	0.3	0.491	0.228	0.243	0.121	0.067	0.079	0.101
	a-HCH	0.002	0.001	0.002	0.018	0.002	0.002	0	0.002	0.002	0.001
	g-HCH	0.004	0.003	0.004	0.024	0.005	0	0	0.002	0	0.001
	Fluometuron	-	-	-	-	-	-	0.084	-	-	-
Amu Darya Region	DDT	-	0.149	0.481	-	-	0.251	0.022	0.071	0.164	0.085
Kipchak Sovkhoz	DDE	-	0.067	0.069	-	-	0.131	0.033	0.026	0.221	0.144
	a-HCH	-	-	-	-	-	0.006	0	0.002	0	0.001
	g-HCH	-	-	-	-	-	0.008	0	0.001	0.002	0.002
	Fluometuron	-	-	-	-	-	-	0.058	-	-	-
	Dalapon	-	-	-	-	-	-	1.56	-	-	-
Amu Darya Region	DDT	0.249	0.141	0.172	0.142	0.051	0.25	0.05	0.024	0.051	0.038
Berdah Sovkhoz	DDE	0.36	0.065	0.008	0.131	0.079	0.134	0.01	0.057	0.065	0.023
	a-HCH	0.007	0.009	0.002	0.018	0.002	0.003	0.003	0	0.001	0.002
	g-HCH	0.012	0.002	0.001	0.022	0.004	0.001	0	0	0.001	0.001
	Fluometuron	-	-	-	-	-	-	0.066	-	-	-
Amu Darya Region	DDT	0.181	0.207	0.265	0.169	0.016	0.08	0.035	0.052	0.053	0.012
Berdah Sovkhoz	DDE	0.059	0.088	0.155	0.025	0.042	0.085	0.027	0.038	0.043	0.005
	a-HCH	-	-	0.006	0.012	0.002	0.002	0.002	0.002	0.001	0.001
	g-HCH	-	-	0.009	0.01	0.003	0.003	0	0.002	0.003	0.003
	Fluometuron	-	-	-	-	-	-	0.106	-	-	-
Kegeli Region	DDT	0.05	0.316	0.109	0.295	0.13	0.24	0.054	0.031	0.101	0.022
Djumanazarova Memorial Farm	DDE	0.16	0.018	0.065	0.163	0.176	0.44	0.12	0.098	0.131	0.058
	a-HCH	0.006	0.002	0.002	0.011	0	0.007	0.002	0.001	0.01	0.001
	g-HCH	0.007	0.009	0.011	0.024	0.002	0.005	0.001	0.001	0.007	0.003
Kungrad Region	DDT	0.003	0.046	0.172	0.043	0.023	0.028	0.013	0.031	0.048	0.058
Kungrad Kolkhoz	DDE	0.113	0.363	0.188	0.031	0.081	0.027	0.023	0.011	0.083	0.086
	a-HCH	0.006	0	0.002	0.003	0	0.007	0	0.002	0	0.001
	g-HCH	0.015	0.008	0.002	0.01	0	0.009	0	0.002	0.002	0.003
Lecinebad Region	DDT	-	0.07	-	0.015	0.019	0.033	0.003	0.055	0.022	0.016
Alinukol Kolkhoz	DDE	-	0.003	-	0.008	0.012	Tr.	Tr.	0.002	0.01	0.006
	a-HCH	-	0.001	-	0.016	0	0.006	0	0.002	0	0.001
	g-HCH	-	0.001	-	0.015	0.002	0.004	0	0.001	0.002	0.003
Turtkul Region	DDT	0.052	0.028	0.02	0.041	0.101	0.05	0.012	0.096	0.233	0.014
Dimitrova Memorial Kolkhoz	DDE	0.132	0.08	0.023	0.034	0.023	0.017	Tr.	0.046	0.304	0.01
	a-HCH	0.007	0.004	0	0.075	0	0.003	0	0.002	0.001	0.001
	g-HCH	0.018	0.005	0.002	0.008	0	0.009	0	0.002	0	0.002
Hodjeli Region	DDT	0.977	0.087	0.027	0.013	0.097	0.035	0.021	0.011	0.026	0.017
Hanaza Memorial Kolkhoz	DDE	0.65	0.005	0.025	0.06	0.043	0.013	0.006	0.093	0.022	0.037
	a-HCH	0	0	0.002	0.007	0	0.002	0.002	0.003	0	0.001
	g-HCH	0.005	0	0.001	0.012	0	0.001	0.001	0.005	0	0.002
Hikmalinski Region	DDT	-	0.027	0.011	0.017	0.015	0.016	0.041	0.009	0.012	0.012
"Moskva" Sovkhoz	DDE	0.13	0.116	0	0.013	0.022	0.011	Tr.	0.002	0.008	0.005
	a-HCH	0.008	0.001	0.001	0.015	0	0.002	0	0.001	0	0.001
	g-HCH	0.017	0.003	0.003	0.016	0.002	0.001	0	0	0	0.02

Levels of Agrochemicals in soil in Khorezm Province (mg/kg)

		1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Bagat Region	DDT	0.102	0.113	0.231	0.02	0.162	0.065	0.02	0.011	0.234	0.2287
Durova Memorial Kolhoz	DDE	0.171	-	-	0.464	0.041	0.113	0.09	0.092	0.203	0.221
	a-HCH	0	0	0.014	0.007	0.002	0.002	0	0.003	0.002	0.001
	g-HCH	0.3	0.007	0.008	0.016	0.003	0.001	0	0.001	0.001	0.001
	Fluometuron	-	-	-	-	-	-	0.176	-	-	-
	Dalapon	-	-	-	-	-	-	0.43	-	-	-
Bagat Region	DDT	0.267	0.014	0.033	0.286	0.148	0.38	0.046	0.022	0.103	0.105
Narimanova Memorial Kolhoz	DDE	0.15	-	-	0.123	0.274	0.221	0.084	0.068	0.223	0.133
	a-HCH	0	0	0.001	0.012	0.002	0.003	0.001	0.003	0.002	0.005
	g-HCH	0.002	0.013	0.003	0.034	0.003	0.005	0.001	0.001	0.002	0.007
Gurlen Region	DDT	-	0.007	0.059	0.033	0.127	0.028	0.027	0.035	0.094	0.127
Halmatova Memorial Kolhoz	DDE	-	-	-	0.163	0.024	0.037	0.022	0.099	0.171	0.241
	a-HCH	0.002	0.005	0.004	0	0.001	0	0.002	0.003	0.002	0.012
	g-HCH	0.003	0.003	0.007	0	0.002	0.002	0.003	0	0.002	0.003
Koshkuyur Region	DDT	0.461	0.007	0.233	0.104	0.093	0.523	0.026	0.403	0.468	0.336
Rahimova Memorial Kolhoz	DDE	0.138	-	-	0.217	0.693	0.332	0.21	0.013	0.282	0.336
	a-HCH	0	0	0.014	0.006	0.004	0.003	0.002	0	0.002	0.001
	g-HCH	0.003	0	0.018	0.011	0.002	0	0.001	0.003	0.001	0
Urgench Region	DDT	0.188	0.26	1.372	0.163	0.022	0.176	0.074	0.103	0.133	0.022
Manguberdi Memorial Kolhoz	DDE	0.014	-	-	0.13	0.096	0.05	0.08	0.114	0.201	0.036
	a-HCH	0.007	0	0.007	0.008	0.002	0.003	0.003	0.004	-	0
	g-HCH	0.008	0	0.009	0.019	0.005	0.012	0.008	0.003	-	0
Urgench Region	DDT	0.077	0.094	0.047	0.388	0.039	0.038	0.023	0.013	0.086	0.041
Manguberdi Memorial Kolhoz	DDE	0.017	-	-	0.046	0.073	0.05	0.013	0.01	0.13	0.048
	a-HCH	0.002	0.003	0.005	0.005	0.002	0	0.003	0.003	-	0
	g-HCH	0.003	0.002	0.009	0.017	0.002	0	0.001	0.002	-	0
Hazarasp Region	DDT	0.181	0.043	0.188	0.013	0.049	0.19	0.037	0.049	0.076	0.081
Franze Memorial Kolhoz	DDE	0.234	-	-	0.053	0.039	0.24	0.019	0.016	0.21	0.279
	a-HCH	0.003	0.002	0.008	0.002	0.003	0	0.003	0.003	0.002	0.001
	g-HCH	0.009	0.004	0.013	0.005	0.007	0	0.001	0.001	0.002	0.001
Hankin region	DDT	0.386	0.628	0.37	0.618	1.23	0.893	0.164	0.436	0.456	0.266
Ahumbayeva Memorial Kolhoz	DDE	1.46	0.613	-	0.4	0.133	0.148	0.48	0.003	0.403	0.416
	a-HCH	0	0.01	0.004	0	0	0.014	0.003	0.007	0.006	-
	g-HCH	0	0.009	0.008	0	0	0.006	0.002	0.003	0.004	-
Hankin Region	DDT	0.396	0.462	0.12	0.71	1.54	0.253	0.206	0.173	0.107	0.276
Yangjihaei Kolhoz	DDE	0.147	0.11	-	0.354	0.136	0.279	0.218	0.383	0.189	0.471
	a-HCH	0	0.016	0	0.006	0.001	0.004	0.003	0.006	0.006	-
	g-HCH	0	0.005	0	0.002	0.002	0.002	0	0.003	0.004	-
Khiva Region	DDT	0.647	0.769	0.037	0.088	0.072	0.027	0.017	0.133	0.484	0.402
Qashya Memorial Kolhoz	DDE	1.12	0.692	-	0.013	0.023	0.083	0.143	0.108	0.772	0.612
	a-HCH	0	0	0.006	0.003	0.001	0	0.006	0	0.023	0.023
	g-HCH	0	0	0.007	0.034	0.003	0	0.002	0	0.006	0.006
Shavat Region	DDT	0.096	0.043	0.046	0.031	0.249	0.036	0.014	0.01	0.021	1.141
Dashik Kolhoz	DDE	0.067	-	-	0.06	0.01	0.003	0.008	0.109	0.01	0.39
	a-HCH	0.003	0.007	0.005	0.003	0	0.001	0.004	0	0	0
	g-HCH	0.001	0.016	0.02	0.006	0	0.002	0.006	0	0	0
Yangjarik Region	DDT	0.17	0.086	0.279	0.322	0.236	0.191	0.06	0.104	2.56	0.03
Qulistan Kolhoz	DDE	0.347	-	-	0.132	0.173	0.169	0.179	0.036	0.343	0.237
	a-HCH	0	0	0.014	0.006	0.001	0.001	0	0	0.008	0
	g-HCH	0.005	0.002	0.013	0.014	0.002	0.012	0	0	0.003	0
Yangjarik Region	DDT	0.472	0.207	0.241	0.26	0.154	0.286	0.003	0.097	0.083	0.134
Khorezm Kolhoz	DDE	0.231	-	-	0.692	0.37	0.267	0.378	0.058	0.269	0.304
	a-HCH	0	0.001	0.011	0.003	0.004	0.004	0.002	0.023	0.003	0.001
	g-HCH	0	0.007	0.02	0.011	0.006	0.006	0.006	0.013	0	0.002
Yangibazar Region	DDT	0.043	0.013	0.016	0.223	0.07	0.103	0.032	0.037	0.013	0.072
Hanza Kolhoz	DDE	0.039	-	-	0.172	0.064	0.033	0.029	0.078	0.042	0.039
	a-HCH	0.005	0	0.001	0.012	0.001	0.002	0.001	0	0	0
	g-HCH	0.003	0.002	0.008	0.027	0.001	0.001	0.001	0	0	0

**6. RESULTS OF REMOVAL TEST BY TESTING CELL
OF FLAT FILM**

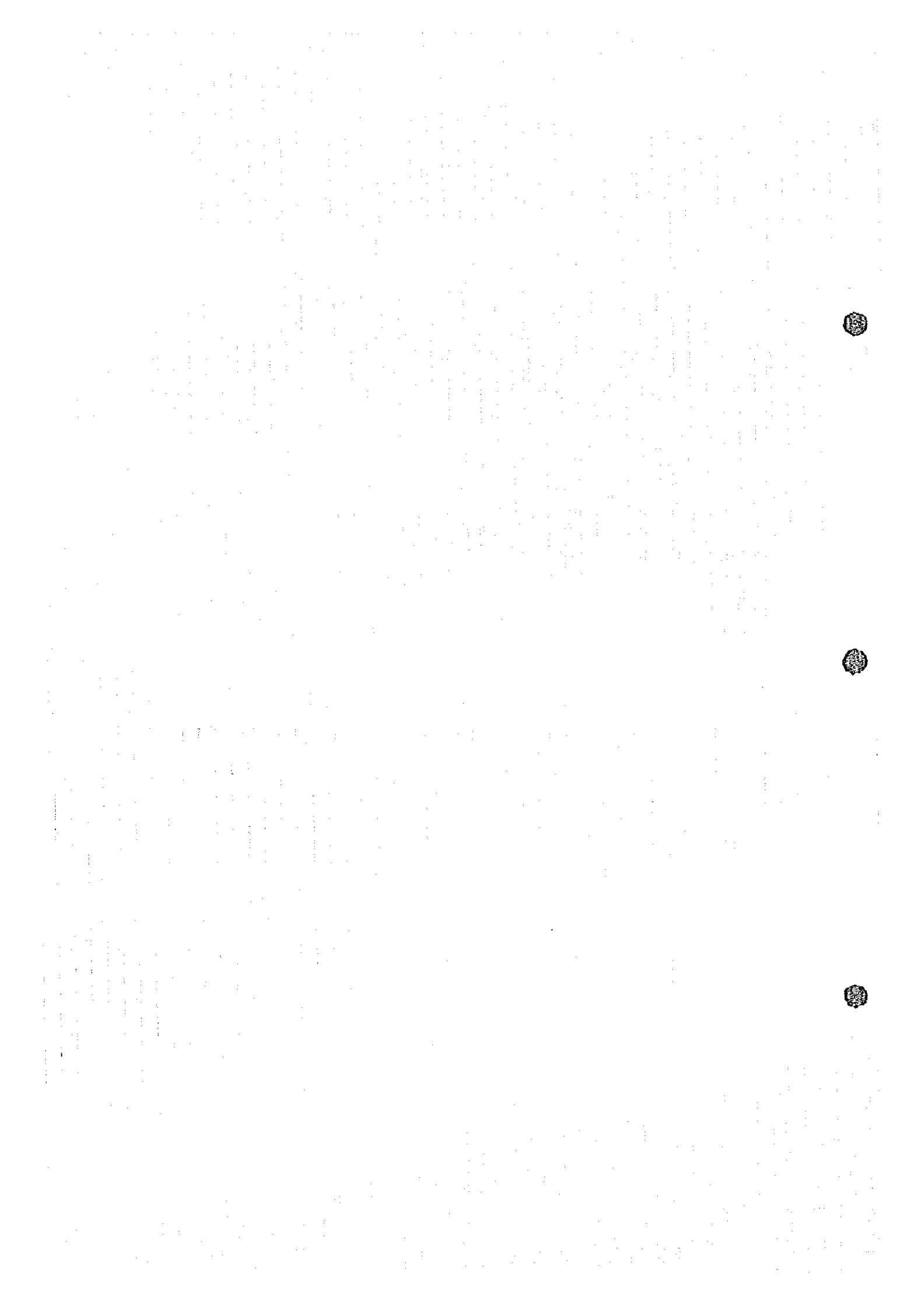


Results of Removal Test by Testing Cell of Flat Film

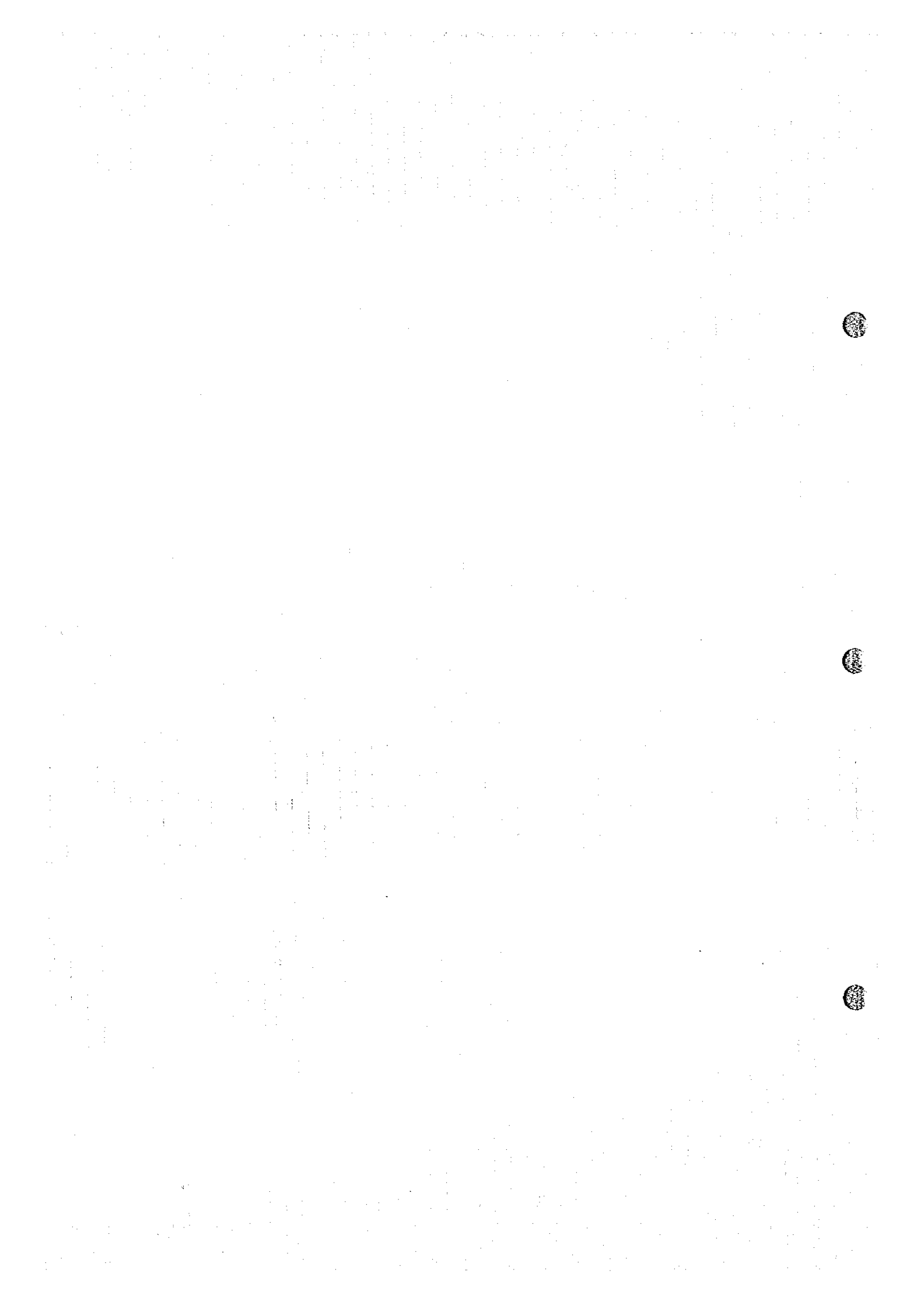
	Kizketken Canal in Nukus		Kipchak		Tuyamuyun Res.			
	Total Hardness (mg eq/l)	Dry Residue (mg/l)	Total Hardness (mg eq/l)	Dry Residue (mg/l)	Total Hardness (mg eq/l)	Dry Residue (mg/l)	SO4 (mg/l)	Cl (mg/l)
Pre-test	9.3	1092.7	10	1087	5.8	866.7	281	240
NTR-729H	2.2	442.7	2.3	485	3.2	470.5	37.45	168.4
NTR-759H	0.6	118.7	2.1	372	0.5	86.5	10.29	0
NTR-7250	4	579.3	5.1	764	4.2	514.5	59.27	168.4
NTR-7410	9.2	1114.7	12.9	1610	9.4	1019	373.7	164.4
NTR-7450	8.6	1040.7	10.3	1241	7.7	810	284	144.3
	Shavat Canal in Urgench				Kizil-Ui			
Pre-test	8.8	1028	336	250	10.1	1063	394.2	208.5
NTR-729H	4	450	83.12	175.3	2.37	410	88.5	127.6
NTR-759H	0.75	102	24.69	39	1.75	275	41.2	92.2
NTR-7250	4.5	620	129.2	198.2	4.37	670	160.9	202.2
NTR-7410	14.5	1606	710.6	375.7	10.75	1222	540.7	230.4
NTR-7450	12.5	1135	548.9	212.7	10.25	1158	486.8	212.7

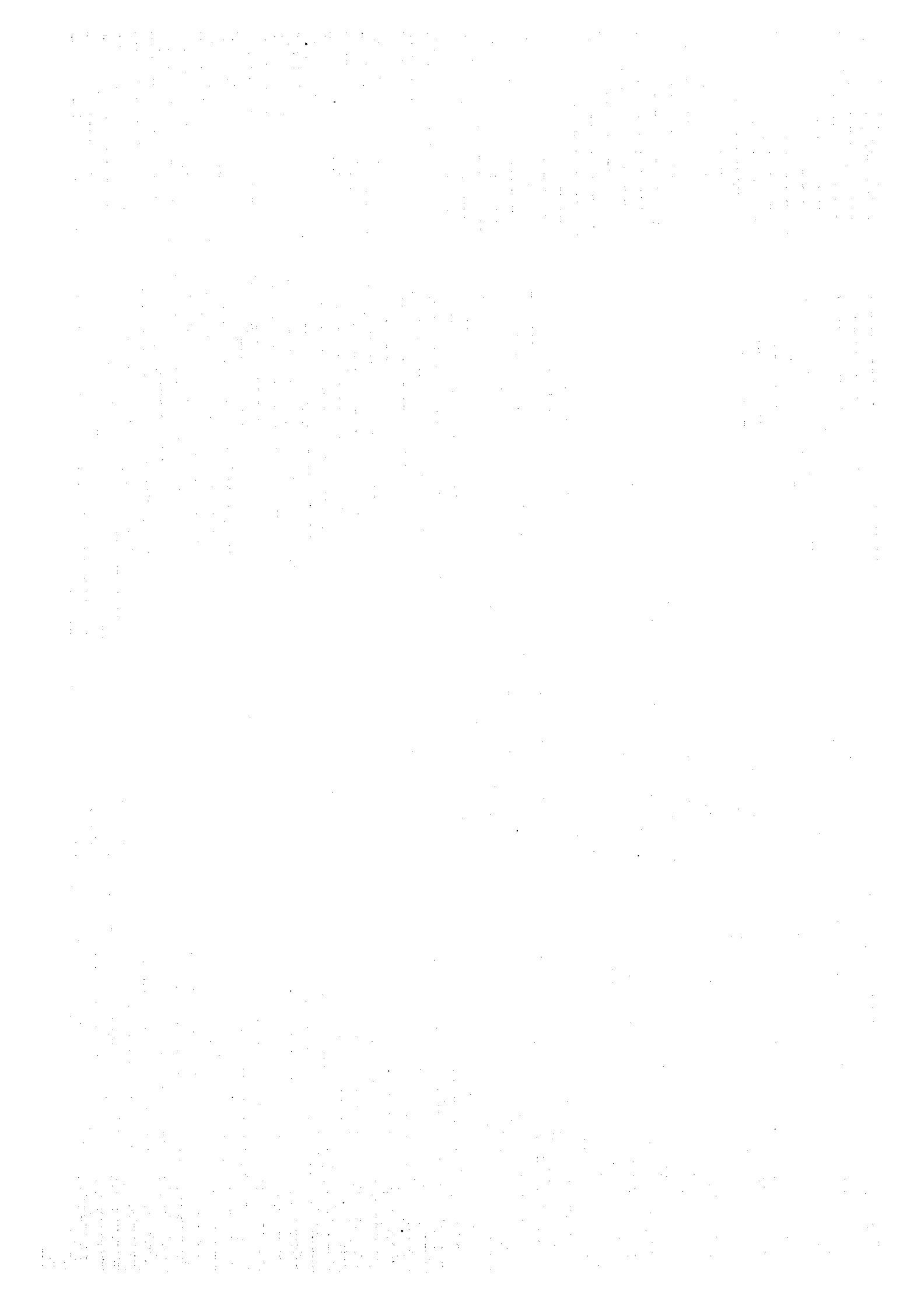
Results(ug/l) of Pesticide Removed by Testing Cell of Flat Film

	Kizketken Canal in Nukus				
	alpha-HCH	gamma-BHC	DDE	DDD	DDT
NTR-729H	0.008	ND	ND	ND	ND
NTR-759H	0.007	ND	ND	ND	ND
NTR-7250	ND	ND	ND	ND	ND
NTR-7410	0.05	ND	ND	ND	ND
NTR-7450	0.018	0.023	ND	ND	ND









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