

JAPAN INTERNATIONAL COOPERATION AGENCY

MINISTRY OF PUBLIC UTILITIES

STATE COMMITTEE OF UZBEKISTAN FOR NATURE PROTECTION

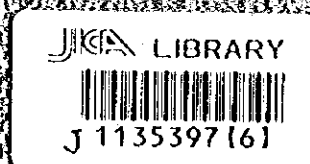
REPUBLIC OF UZBEKISTAN

**THE STUDY
ON
WATER SUPPLY SYSTEM IN SIX CITIES
OF
THE ARAL SEA REGION IN UZBEKISTAN**

FINAL REPORT

(DATA BOOK ON WATER QUALITY ANALYSIS BY JICA)

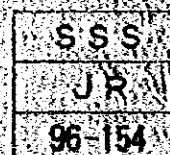
DECEMBER 1996



TOKYO ENGINEERING CONSULTANTS CO., LTD.

IN ASSOCIATION WITH

KYOWA ENGINEERING CONSULTANTS CO., LTD.





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1135397[6]

DATA BOOK ON WATER QUALITY ANALYSIS BY JICA

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Table 1 Sampling Points and the Abbreviations

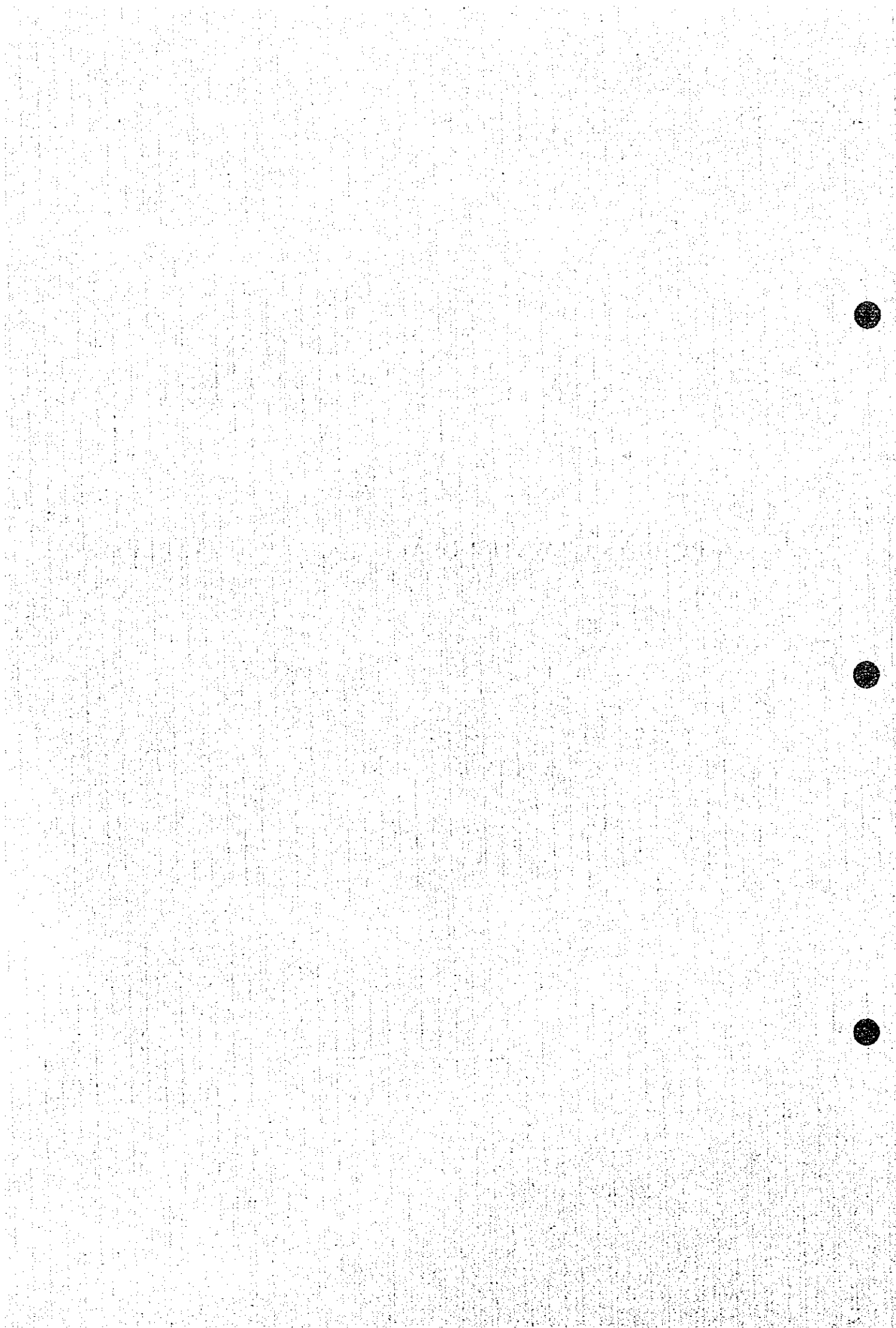
Sampling Points	Abbrev.
1. Amu Darya River	Amu Darya
1.1 Tuyamuyun Reservoir	Tuy Res
1.2 Kaparasskoe Reservoir	Kap Res
1.3 Drujba Intake	Dri
1.4 Kipchak, Amu Darya Crossing	Kip
1.5 Tahiatash, Hydroblock	Tah
1.6 Kyzyl-Ui	Kyz
2. Tuyamuyun-Urgench Water Treatment	Tuy-Urg
3. Tuyamuyun-Nukus Water Treatment	Tuy-Nuk
4. Nukus City	Nukus
4.1 Kyzketken Canal Water Intake	Cnl
4.2 Treated Water from Tuyamuyun-Nukus Treatment Plant	Tuy Rec
4.3 Treated Water after Chlorination	Trt
4.4 Piping Water	Pip
5. Kungrad City	Kungrad
5.1 Intake of City Water Treatment Plant	Int City
5.2 Intake of Gas-Prom Water Treatment Plant	Int Gas
5.3 Treated Water from City Water Treatment Plant	Trt City
5.4 Treated Water from Gas-Prom Water Treatment Plant	Trt Gas
6. Chimbay City	Chimbay
6.1 Water Supply Well	Well
6.2 Treated Water	Trt
6.3 Distributing Unit Water	Dst
7. Muynak City	Muynak
7.1 Canal Water Intake	Cnl
7.2 Treated Water	Trt
7.3 Piping Water	Pip
8. Urgench City	Urgench
8.1 Shavat Canal Water Intake	Cnl
8.2 Chalysh Well	Well
8.3 Treated Water from City Treatment Plant	Trt City
8.4 Treated Water from Tuyamuyun-Urgench Water Treatment Plant	Tuy Rec
8.5 Piping Water	Pip
8.6 Water Supplied to Khiva City from Pumping Station in Urgench	to Khv
9. Khiva City	Khiva
9.1 Piping Water	Pip

Table 2. Uzbekistan Standard of Drinking Water (UZDW) and River Water for Drinking (UZRW), WHO Guideline for Drinking Water in 1993 (WHOG & WHOC*1) and Japanese Standard of Drinking Water (JP)

Item	DW	RW	WHOG	WHOC	Japan
Turbidity	20			5NTU	2degree
Total hardness (mg/l)	7	7			
Mineralization (mg/l)	1000	1000		1000	500
pH	6.5-8.5				5.8-8.6
Ca					
Mg					
NH4 (mg/l)		2		1.5	
NO2 (mg/l)		3	3		10
NO3 (mg/l)		10	50		10
SO4 (mg/l)		500		250	
Cl (mg/l)	350	350		250	200
HCO3					
PO4 (mg/l)	3.5				
Oder	2			*2	not unusual
Taste	2			*2	not unusual
Color					
Residual Cl2					
F (mg/l)	1.5	1.5	1.5		0.8
Phenol					
Oil (mg/l)		0.3			
Coliforous index					
Surfactant (mg/l)					0.2
COD					
Na + K					
KMnO4					
Fe (mg/l)	0.3		0.3		0.3
Cu (mg/l)	1	1	2	1	1.0
Zn (mg/l)	5	1		3	1.0
Mn (mg/l)	0.1		0.5	0.1	0.05
Pb (mg/l)	0.03	0.03	0.01		0.05
Cd (mg/l)		0.01	0.003		0.01
Ni (mg/l)			0.02		
Cr (mg/l)			0.05		
Se (mg/l)	0.001		0.01		0.01
As (mg/l)	0.05	0.05	0.01		0.01
p,p'-DDT					
p,p'-DDE					
p,p'-DDD					
a-BHC					
b-BHC					
r-BHC					
Parathion-methyl					
Malathion					
Dimethoate					
Dicofol					
Phosmet					
Phosalone					
Chlorpyrifos					
Isoxathion					
Proparbite					
Buprohezin					
Carbaryl					
Trifluralin			0.02		
Dalapon					
Thiobencard					
Molinate			0.006		
Propanil			0.02		
Prometuryn					
Nitrofen					
Dymron					
Malaaxon					

Note ; *1: the standard of substances and parameters in drinking-water that may give rise to complaints from consumers
 *2: should be acceptable

3. RESULTS OF WATER QUALITY ANALYSIS (TABLES)



Coliformous index

Location	Amu Darva				Tuy-Urg				Tuy-Nuk				Urgench				Tuy-Rec				to Khv				Khiva	
	Tuy Res	Kap Res	Dry	Kip	Tah	Kvz							Col	Well	Trt						Pip		Pip			
Mar-95	9	3	9		94				23				3	3	3		3	3	3	3	3	3	3			
Apr	9	23	3	3	2380				23				4	4	3		3	3	3	3	3	3	4			
May	9	23	3		2380				23						3		3	3	3	3	3	3	4			
Jun	>2380	>2380	3		2380	960			>2380	>2380			>2380	3	3		3	3	3	3	3	3	3			
Jul	>2380	>2380	<3	2380	2380	960			<3	<3			>2380	<3	<3		<3	<3	<3	<3	<3	<3	<3			
Aug	>2380	>2380	<3		23	23			>2380	>2380			>2380	<4	<3		<3	<3	<3	<3	<4	<4	<3			
Sep	>2380	>2380	<3		230	94			>2380	>2380			>2380	<3	<3		<3	<3	<3	<3	<4	<4	<3			
Oct	>2380	>2380	<3		9	23			2380	>2380			<4	<3	<3		<3	<3	<3	<3	3	3	<4			
Nov	<230	<94	<3		10	9			<230	<230			>2380	<3	<3		<3	<3	<3	<3	<3	<3	<3			
Dec	<94	<230	<3						<230	<230			<3	<3	<3		<3	<3	<3	<3	<3	<3	<3			
Jan-96	<23	<23	3		9	9			<3	<23			<23	<3	<3		<3	<3	<3	<3	3	3	3			
Feb	<230	<230	3	<23					<230	<230			<230	3	3		3	3	3	3	3	3	3			
Mar																										
Apr	230	230	<4						2380	<94			2380	<3	<3		<3	<3	<3	<3	<3	<3	<3			
May																										
Jun																										
Jul																										
Aug																										
Sep																										
No of samples	13	13	13	2	10	7			13	10			12	13	13		13	13	13	13	13	13	13			
Minimum	9	3	3	<23	9	9			<3	<3			<3	<3	<3		<3	<3	<3	<3	<3	<3	<3			
Average					990	297																				
Maximum	>2380	>2380	9	2380	2380	960			2380	>2380			>2380	<4	<3		3	3	3	3	<4	<4	<4			

Location	Nikus				Kungrad				Chimbay				Muynak			
	Col	Tuy Rec	Trt	Pip	Int City	Int Gas	Trt Gas	Trt City	Well	Trt	Dst	Col	Trt	Pip	Trt	Pip
Mar-95	94	3	3	3	3	94	960					3	94	960	3	3
Apr	230	3	3	3	2380	94			7	3		3	960	94	3	3
May							7		7	3						
Jun	23	3	3	3	23	23	3	3	3	3		3	230			
Jul	23	3	3	3	10	23	3	23	3	3		3	3	3		
Aug	10		3	3	23		3	3	3	3			94	10	3	3
Sep	94		3	3	230		3	3	3	3			23	230	3	3
Oct	9		3	3	94	10	3	3	3	3		3	10	94	3	3
Nov	10		3	3	23	230	3	3	3	3		3	3	9	3	3
Dec	9		3	3	9	9	3	3	3	3		3	3	9	3	3
Jan-96	23		3	3	9	10	9	9	3	3		3	10	9	3	3
Feb			3	3	9	10	3	3	3	3		3	10	9	3	3
Mar																
Apr																
May																
Jun																
Jul																
Aug																
Sep																
No of samples	10	3	11	11	11	8	12	9	7	3		9	10	9	9	9
Minimum	2	3	3	3	3	10	3	3	3	3		3	3	3	3	3
Average	50	3	3	3	256	62	83	6	6	3		3	144	158	3	3
Maximum	230	3	3	3	2380	230	960	23	23	3		3	960	960	3	3

Location	Amu Darya						Tuy-Urg				Tuy-Nuk		Urgench		Tuy-Ree		to Khv		Khiva	
	Tuy Res	Kap Res	Dri	Kip	Tah	Kyz						Chl	Well	Tr			Pip		Pip	
Mar-95	2.78	2.35	2.58	3.98	4.11	4.22						3.00	4.13	2.37	2.55	3.24	3.49	3.17		
Apr	2.54	2.88	3.70	3.89	3.80	3.64						5.44	3.50	2.99	2.61	2.26	2.87	3.35		
May	14.00	4.10	4.80	13.00	6.20	13.00						7.70	9.50	5.30	4.50	4.80	4.70	5.15		
Jun	13.12	3.07	4.29	8.87	4.37	9.76						3.28	10.45	4.91	13.12	3.43	4.57	3.61		
Jul	4.55	3.85	3.48	6.86	3.77	6.30						4.12	3.07	4.01	4.55	4.16	3.98	6.58		
Aug	3.77	2.81	2.79	2.89	2.64	2.95						2.53	2.54	2.96	2.76	2.65	1.61	2.85		
Sep	2.33	2.39	2.07	2.18	2.62	3.01						2.65	2.04	2.31	2.13	2.05	2.16	2.27		
Oct	3.66	4.58	4.54	4.26	3.65	4.18						4.32	3.92	4.56	4.13	3.85	3.85	4.19		
Nov	5.11	5.23	5.06	4.00	4.38	3.40						3.75	3.44	2.58	3.35	3.26	3.44	3.15		
Dec	3.30	4.40	3.12	3.11	3.21	3.32						3.45	2.44	3.20	2.73	3.19	3.23	3.02		
Jan-96	3.74	4.30	3.71	4.68	4.64	3.81						4.63	3.68	4.63	3.98	5.17	4.84	4.89		
Feb	2.21	4.55	3.07	6.20	3.90	4.19						1.99	32.40	4.54	4.12	4.21	3.76	2.96		
Mar																				
Apr	4.58	3.89	3.67	7.96	4.87	5.63						5.14	8.68	6.96	3.91	3.79	5.09	3.70		
May	3.36	3.25	3.64	8.00	7.63	6.68						5.23	3.62	3.81	5.08	4.11	4.27	4.27		
Jun	3.97	2.70	3.94	9.18	6.29	9.03						4.17	4.08	4.65	3.39	2.95	6.39	3.11		
Jul	4.50	2.50	1.58	7.07	3.24	3.90						3.27	2.04	2.79	2.43	2.33	2.04	2.86		
Aug	2.17	1.49	2.92	3.96	2.93	3.79						2.72	3.26	3.26	3.22	0.78	2.05	1.91		
Sep	2.91	2.72	2.79	4.94	3.62	2.64						4.38	3.99	4.24	4.43	2.83	3.48	3.81		
No of samples	18	18	18	18	18	18						17	18	18	18	18	18	18		
Minimum	2.17	1.49	1.58	2.18	2.62	2.64						1.99	2.04	2.31	2.13	0.78	1.61	1.91		
Average	4.59	3.39	3.43	5.83	4.21	5.25						3.99	5.97	3.90	4.06	3.28	3.76	3.60		
Maximum	14.00	5.23	5.06	13.00	7.63	13.00						7.70	32.40	6.96	13.12	5.17	6.39	6.58		

Location	Naryn				Kungud				Chimbay				Mynak			
	Chl	Tuy Rec	Tr	Pip	Int Ctv	Int Gas	Ttr Gas	Ttr Ctv	Well	Tr	Dst	Can	Tr	Pip		
Mar-95	3.10	3.24	2.33	2.17	1.95	1.43	1.33	2.11				1.89	1.10	0.84	0.99	
Apr	3.36	2.47	3.33	1.89	2.46	2.80	2.28	3.84				2.13	1.35			
May	12.00		6.10	8.80	3.50	4.30	4.10	3.50				4.70	4.40		1.20	
Jun	9.63		4.77	4.57	4.30	3.96	3.87	5.43				3.39	2.96	10.01		
Jul	5.66	3.64	3.31	3.52	3.08	4.29	3.78	4.11				2.76	3.98	3.85	3.59	
Aug	3.65	2.42		3.66	3.03		1.94	3.44				1.94	2.71	2.35	2.24	
Sep	3.05	1.88	3.68	2.57	2.71	3.05	2.17	3.42				2.58	2.71	1.76	2.08	
Oct	4.15	0.78	2.71	1.76	3.42	4.18	3.90	3.64				1.53	2.77	2.40	1.23	
Nov	4.28	2.28	3.22	5.46	5.19	5.20	5.31	5.84				4.84	5.51	4.62	3.78	
Dec	3.26	2.15	3.40	1.80	3.22	2.93	3.76	2.95				2.09	2.25	1.83	1.88	
Jan-96	4.81	4.88	6.63	5.02	2.59	2.73	2.92	3.02				3.80	4.14	1.93	2.04	
Feb	4.05	7.07	91.54	4.42	4.11	4.29	4.66	4.66				4.97	3.88	2.85	3.52	
Mar																
Apr	7.19	2.74	2.73	3.21	2.80	2.89	0.88	0.88				5.27	2.80	1.66	0.86	
May	7.32	5.92	4.90	3.92	4.89	4.92	4.83	5.65				3.26	5.96	5.57	3.92	
Jun	5.91	3.62	3.37	2.78	3.27	4.96	3.40	4.53				2.60	4.41	4.77	4.83	
Jul	4.49	2.05	3.72	1.96	3.36	2.61	5.87	2.45				2.14	4.60	2.90	3.91	
Aug	3.17	2.08	2.49	1.93	2.15	2.88	2.14	3.74				1.65	2.90	2.45	2.25	
Sep	4.36	3.01	5.67	3.99	4.08	4.29	4.75	4.55				3.17	3.87	2.64	2.29	
No of samples	18	16	17	18	18	17	18	18				8	16	15	16	
Minimum	3.05	0.78	2.33	1.76	1.95	1.43	0.88	0.88				1.65	1.10	0.84	0.86	
Average	5.19	3.14	9.05	3.52	3.34	3.63	3.69	3.54				2.77	3.03	2.83	2.54	
Maximum	12.00	7.07	91.54	8.80	5.19	5.20	5.87	5.84				4.88	5.27	10.01	5.57	4.83

NE4

unit : mg / l

Location	Amu Darya					Tuy-Urg			Tuy-Nuk		Urgench		Trt		Tuy-Ree		Pip		to Khv		Khiva	
	Tuy Res	Kep Res	Dri	Kip	Tah	Kvz					Chl	Well									Pip	Pip
Mar-95	0.75	0.40	0.56	0.00	0.02	0.00					0.50	0.75	0.91	0.83	0.67	0.83	0.67	0.72	0.72	1.00		
Apr	0.67	0.39	0.47	0.00	0.00	0.00					0.80	1.33	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
May	0.00	1.11	0.95	0.00	0.00	0.00					0.00	1.50	1.50	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun	0.83	0.67	0.33	0.06	0.00	0.20	0.05	0.05	0.05	0.05	0.14	0.17	0.14	0.14	0.28	0.25	0.25	0.40	0.40	0.07	0.07	0.07
Jul	1.60	0.95	1.15	0.13	0.70	2.10	0.75	0.45	0.45	0.45	1.40	0.55	0.20	0.20	0.22	0.65	0.35	0.35	0.35	0.32		
Aug	0.13	0.00	0.00	0.32	0.34	0.27	0.03	0.03	0.03	0.03	0.00	0.04	0.06	0.06	0.17	0.13	0.13	0.06	0.06	0.14		
Sep	0.00	0.07	0.02	2.87	2.75	3.12	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oct	0.00	0.00	0.00	0.33	0.46	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nov	0.25	0.17	0.00	0.00	0.03	0.06	0.07	0.27	0.27	0.27	0.15	0.10	0.31	0.35	0.35	0.35	0.35	0.35	0.35	0.21		
Dec	0.00	0.21	0.00	0.14	0.09	0.24	0.00	0.00	0.00	0.00	0.24	0.00	0.11	0.51	0.51	0.00	0.00	0.06	0.06	0.00		
Jan-96	0.00	0.00	0.00	0.14	0.29	0.30	0.01	0.01	0.01	0.01	0.15	0.00	0.12	0.00	0.00	0.00	0.00	0.07	0.07	0.07		
Feb	0.00	0.00	0.00	0.20	0.21	0.17	0.02	0.07	0.07	0.07	0.07	0.04	0.05	0.05	0.01	0.06	0.13	0.13	0.07	0.07		
Mar																						
Apr	0.00	0.07	0.00	0.10	0.21	0.08	0.00	0.00	0.00	0.00	0.10	0.00	0.07	0.09	0.09	0.00	0.13	0.13	0.00	0.00		
May																						
Jun																						
Jul																						
Aug																						
Sep																						
No of samples	13	13	13	13	12	13	12	12	12	12	13	13	13	13	13	13	13	13	13	13	13	13
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.33	0.31	0.27	0.33	0.43	0.52	0.09	0.07	0.07	0.07	0.28	0.34	0.33	0.24	0.24	0.16	0.16	0.17	0.17	0.14		
Maximum	1.60	1.11	1.15	2.87	2.75	3.12	0.75	0.45	0.45	0.45	1.40	1.50	1.50	0.83	0.83	0.67	0.72	0.72	1.00			

Location	Nukus					Kumgad			Chimbav		Mavnak		Trt		Pip		to Khv		Khiva	
	Chl	Tuy Rec	Trt	Pip	Int City	Int Gas	Trt City	Trt Gas	Well	Trt	Chl	Det								
Mar-95	0.05	0.00	0.01	0.00	0.03	0.05	0.02	0.03			0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apr	0.09	0.00	0.00	0.00	0.02	0.06	0.00	0.04	0.07	0.07	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jul	0.68	0.15	0.75	0.25	0.60	0.55	0.90	0.40	0.32	0.30	0.45	0.55	0.64	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Aug	0.18	0.22	0.11	0.14	0.14	0.14	0.22	0.21	0.21	0.12	0.08	0.17	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Sep	2.20	2.25	2.05	2.00	2.40	2.20	2.35	2.20	2.25	2.35	2.30	2.87	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40
Oct	0.24	0.22	0.21	0.22	0.28	0.31	0.32	0.23	0.22 hot water	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Nov	0.13	0.05	0.08	0.08	0.08	0.07	0.01	0.07	0.08	0.08	0.07	0.09	0.08	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Dec	0.12	0.00	0.17	0.03	0.14	0.06	0.17	0.11	0.11	0.00	0.06	0.28	0.28	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Jan-96	0.20	0.32	0.20	0.10	0.24	0.20	0.30	0.27	0.29	0.31	0.19	0.32	0.31	0.29	0.29	0.29	0.29	0.29	0.29	0.29
Feb	0.17	0.13	0.12	0.11	0.14	0.18	0.14	0.13	0.13	0.13	0.07	0.22	0.15	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Mar																				
Apr	0.27	0.00	0.00	0.00	0.40	0.00	0.23	0.00	0.00	0.00	0.05	0.27	0.00	0.33	0.33	0.33	0.33	0.33	0.33	0.33
May																				
Jun																				
Jul																				
Aug																				
Sep																				
No of samples	13	10	13	13	13	12	12	12	8	5	11	13	11	11	12	12	12	12	12	12
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.34	0.31	0.30	0.22	0.34	0.31	0.39	0.28	0.39	0.57	0.11	0.35	0.43	0.40	0.40	0.40	0.40	0.40	0.40	0.40
Maximum	2.20	2.25	2.05	2.00	2.40	2.20	2.35	2.20	2.25	2.35	0.45	2.30	2.87	2.40	2.40	2.40	2.40	2.40	2.40	2.40

Location	Amu Darya						Tuy-Urg		Tuy-Nuk		Urgench		Well	Tr.	Tuy-Res	Pip	to Khv	Khiva
	Tuy Res	Kap Res	Dn	Kip	Tah	Kvz			Cnl									
Mar-95	0.02	0.03	0.02	0.03	0.03	0.03		0.03	0.02	0.03	0.02	0.03	0.02	0.02	0.01	0.02	0.02	0.02
Apr	0.00	0.01	0.01	0.00	0.08	0.01		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
May	0.05	0.04	0.06	0.04	0.02	0.04		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun	0.00	0.00	0.00	0.00	0.00	0.00		0.01	0.01	0.02	0.01	0.02	0.00	0.01	0.01	0.01	0.00	0.01
Jul	0.02	0.02	0.01	0.03	0.02	0.02		0.03	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.03	0.02	0.01
Aug	0.01	0.00	0.00	0.02	0.02	0.01		0.02	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01
Sep	0.00	0.01	0.01	0.01	0.01	0.01		0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.00
Oct	0.07	0.07	0.03	0.01	0.01	0.01		0.04	0.01	0.07	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.00
Nov	0.01	0.00	0.00	0.01	0.01	0.00		0.01	0.00	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.03	0.03
Dec	0.01	0.02	0.01	0.00	0.00	0.00		0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Jan-96	0.01	0.01	0.01	0.00	0.03	0.00		0.01	0.01	0.01	0.15	0.00	0.00	0.12	0.00	0.00	0.08	0.07
Feb	0.01	0.01	0.00	0.04	0.04	0.05		0.01	0.01	0.07	0.07	0.04	0.04	0.05	0.01	0.06	0.13	0.07
Mar																		
Apr	0.00	0.01	0.00	0.01	0.01	0.00		0.00	0.01	0.01	0.02	0.01	0.01	0.01	0.00	0.00	0.02	0.01
May																		
Jun																		
Jul																		
Aug																		
Sep																		
No of samples	13	13	13	13	13	13		13	13	13	13	13	13	13	13	13	13	13
Minimum	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.02	0.02	0.01	0.02	0.02	0.01		0.01	0.01	0.01	0.03	0.01	0.03	0.02	0.01	0.01	0.03	0.02
Maximum	0.07	0.07	0.06	0.04	0.08	0.05		0.08	0.05	0.04	0.15	0.04	0.04	0.12	0.02	0.06	0.13	0.07

Location	Nurus					Kangrad			Chimbay			Maynak		
	Chl	Tuy Rec	Trt	Pip	Int Clry	Int Gas	Tr Clry	Tuy Gas	Well	Trt	Det	Chl	Trt	Pip
Mar-95	0.25	0.01	0.01	0.14	0.02	0.03	0.02	0.01			0.02	0.03	0.02	0.02
Apr	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May	0.03	0.04	0.03	0.03	0.01	0.07	0.01	0.06	0.05		0.05	0.08		0.00
Jun	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.01		0.00
Jul	0.03	0.02	0.02	0.01	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Aug	0.02	0.01	0.02	0.01	0.00	0.01	0.01	0.02	0.01	0.00	0.01	0.01	0.02	0.02
Sep	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Oct	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Nov	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
Dec	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00		0.00	0.00	0.01	0.00	0.00
Jan-96	0.05	0.02	0.03	0.02	0.03	0.03	0.03	0.03		0.02	0.02	0.03	0.03	0.02
Feb	0.07	0.03	0.03	0.11	0.04	0.04	0.03	0.03		0.03	0.03	0.05	0.07	0.03
Mar														
Apr	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00
May														
Jun														
Jul														
Aug														
Sep														
No of samples	13	10	13	13	13	12	13	13	8	5	11	13	11	12
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.04	0.01	0.01	0.03	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01
Maximum	0.25	0.03	0.04	0.14	0.04	0.07	0.03	0.06	0.05	0.02	0.05	0.08	0.07	0.03

Location	Amu Darva				Tuy-Urg				Urgench				Khiva			
	Tuy Res	Kap Res	Dj	Kip	Tah	Kyz			Tuy-Nuk	Chl	Well	Tr	Tuy-Res	Pip	to Khv	Pip
Mar-95	3.65	1.55	2.30	3.70	2.90	1.30			5.00	2.95	0.20	1.85	2.00	2.05	1.80	2.30
Apr	0.33	1.70	4.00	3.75	2.50	5.10			3.40	2.20	1.00	0.17	4.65	4.20	2.20	0.00
May	2.90	2.45	3.25	3.40	2.40	0.00			3.90	0.00	0.90	3.10	3.50	2.10	1.90	1.85
Jun	0.55	0.25	0.30	0.00	0.00	0.88			4.95	5.84	4.43	3.63	5.14	4.69	4.07	5.14
Jul	2.55	2.45	2.50	3.00	1.60	0.80			4.40	5.57	1.40	4.30	2.80	2.70	1.00	2.20
Aug	0.62	0.00	0.00	1.70	1.70	1.55			0.79	0.00	0.00	1.50	1.15	0.62	1.50	1.50
Sep	0.00	0.62	0.79	0.65	0.65	0.34			0.00	1.94	0.00	0.00	0.00	0.00	0.00	0.00
Oct	3.36	0.00	2.92	2.00	2.20	2.25			2.92	2.56	0.00	2.39	3.54	2.92	2.21	2.74
Nov	0.79	0.62	0.79	2.80	2.50	2.75			0.97	1.94	2.39	1.86	2.21	2.21	2.39	1.94
Dec	4.25	2.12	10.28	2.67	2.28	2.75			8.14	5.67	5.67	2.12	9.74	5.84	3.89	3.89
Jan-96	6.46	2.74	5.67	4.10	4.20	4.25			6.20	5.31	2.74	4.60	6.20	6.20	4.69	4.43
Feb	5.84	2.74	4.25	3.30	9.50	3.48			5.58	4.87	1.50	3.80	5.58	4.87	5.40	6.20
Mar																
Apr	5.84	6.46	6.73	2.60	4.20	3.30			6.20	7.78	1.15	5.84	5.84	7.35	3.84	7.08
May																
Jun																
Jul																
Aug																
Sep																
No of samples	13	13	13	13	13	13			13	13	13	13	13	13	13	13
Minimum	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average	2.86	1.82	3.37	2.59	2.82	2.21			4.04	3.59	1.64	2.70	4.03	3.52	2.68	3.02
Maximum	6.46	6.46	10.28	4.10	9.50	5.10			8.14	7.78	5.67	5.84	9.74	7.35	5.40	7.08

Location	Nukus				Kungrad				Chimbay				Muyrak			
	Chl	Tuy Res	Tr	Pip	Int City	Int Gas	Tr City	Tr Gas	Well	Tr	Det	Chl	Tr	Tr	Pip	Pip
Mar-95	3.05	2.35	3.05	2.65	7.92	2.20	6.60	2.75			4.20	1.15	1.15	1.18	1.90	1.90
Apr	9.10	3.60	3.50	3.20	8.30	9.20	2.20	6.90	1.90		4.00	1.00	1.40	1.40	0.25	0.25
May	2.75		0.00	0.00	1.90	2.45	1.95	2.10	0.00		0.00	0.00				
Jun	2.90		0.00	0.00	6.90	5.50	9.40	8.70	0.18		0.14	7.60				
Jul	1.10	2.80	2.70	2.75	2.55	2.10	2.75	2.65	3.90	2.75	3.25	2.70	2.00	2.00	1.65	1.65
Aug	2.00		1.20	1.30	0.00	0.53	0.38	0.10	2.50	1.50		0.00	0.00	0.00	0.00	0.00
Sep	0.92	0.90	0.81	0.61	0.50	0.53	0.38	0.52	0.36	0.71		1.25	0.23	0.23	0.20	0.20
Oct	2.15	2.16	2.15	2.16	1.25	2.10	2.50	1.60	3.00 hot water		2.75	2.45	0.85	0.85	0.50	0.50
Nov	2.95	2.15	2.70	2.60	0.99	2.35	0.75	2.35		2.85	2.40	1.25	0.85	0.85	0.50	0.50
Dec	2.19	2.19	2.43	4.08	0.78	1.23	1.53	2.22		1.68	1.89	0.57	0.34	0.34	0.47	0.47
Jan-96	8.55	4.36	4.24	4.25	3.40	3.35	3.35	3.75			3.45	0.95	0.95	0.95	0.95	0.95
Feb	3.65	4.10	4.40	3.55	4.35	10.44	7.80	2.35			4.00	1.65	0.95	0.95	0.90	0.90
Mar																
Apr	2.50	5.25	5.40	4.80	5.10	4.00	5.75	1.50	2.25		10.00	0.75	0.75	0.75	0.80	0.80
May																
Jun																
Jul																
Aug																
Sep																
No of samples	13	10	13	13	13	12	13	13	8	5	11	13	11	11	12	12
Minimum	0.92	0.90	0.00	0.00	0.00	0.53	0.00	0.10	0.00	0.71	0.00	0.00	0.00	0.00	0.00	0.00
Average	3.37	2.99	2.51	2.63	3.38	3.79	3.46	2.88	1.76	1.90	3.28	1.64	0.86	0.86	0.78	0.78
Maximum	9.10	5.25	5.40	4.80	8.30	10.44	9.40	8.70	3.90	2.85	10.00	7.60	2.00	2.00	1.90	1.90

Location	Amu Darva					Tuy-Urg			Tuy-Nuk		Urgench		Tuy-Ree		to Khiva		Khiva
	Tuy Res	Kap Res	Dr	Kip	Tah	Kvz					Chl	Well	Tr		Pip		Pip
Mar-95	0.05	0.04	0.04	0.17	0.21	0.25	0.02	0.02	0.03			0.04	0.05	0.08	0.06	0.06	0.08
Apr	0.05	0.10	0.21	0.04	0.05	0.05	0.02	0.02	0.31		0.08	0.10	0.09	0.05	0.02	0.02	0.03
May	1.80	0.10	0.00	0.90	0.40	2.20	0.60	0.80	0.80		0.90	0.50	0.60	0.30	0.50	0.40	0.44
Jun	16.52	7.99	5.43	1.83	0.56	1.28	10.95	9.58	9.58		17.93	8.47	6.97	11.09	8.02	9.25	9.02
Jul	0.03	0.23	0.08	0.24	0.09	0.29	0.13	0.06	0.11		0.11	0.06	0.18	0.06	0.19	0.11	0.12
Aug	0.01	0.02	0.04	0.03	0.08	0.47	0.04	0.08	0.08		0.13	0.05	0.11	0.07	0.06	0.06	0.08
Sep	0.00	0.13	0.00	0.48	0.23	0.26	0.09	0.24	0.09		0.24	0.00	0.25	0.01	0.01	0.00	0.26
Oct	0.18	0.12	0.32	0.49	0.16	0.23	0.31	0.53	0.36		0.36	0.57	0.42	0.36	0.39	0.80	0.75
Nov	0.39	0.52	0.35	0.86	0.94	0.70	0.70	0.33	0.31		0.45	0.44	0.36	0.37	0.82	0.43	0.33
Dec	1.20	1.01	0.99	0.49	0.42	0.42	0.40	0.55	0.92		1.11	1.11	0.66	0.84	1.04	0.97	0.61
Jan-96	1.86	2.24	1.55	1.25	0.51	2.35	1.38	2.35	1.77		1.77	1.50	1.57	1.26	4.20	3.01	1.45
Feb	0.68	1.07	1.15	1.59	2.17	2.09	2.16	1.80	1.17		1.17	0.78	0.65	0.65	0.67	2.04	1.62
Mar																	
Apr	0.74	0.30	0.19	0.37	0.00	0.58	0.33	0.00	0.37		0.37	0.40	0.29	0.35	0.63	0.14	0.14
May	0.53	0.27	0.58	2.92	0.65	0.88	0.89	0.50	0.34		0.34	0.43	0.19	0.69	0.12	0.21	0.61
Jun	0.06	0.18	0.00	0.16	0.82	4.62	0.26	0.30	0.66		0.66	0.26	0.45	0.00	0.00	0.23	0.03
Jul	1.22	2.71	2.56	17.96	5.92	10.93	3.06	3.82	2.22		2.22	4.27	3.70	4.24	3.69	3.75	5.86
Aug	3.91	1.53	3.71	7.93	5.04	7.81	6.87	6.60	9.35		6.60	6.00	5.18	6.24	8.09	5.32	1.17
Sep	1.03	0.94	0.92	2.03	2.19	1.70	0.91	0.97	2.83		2.83	4.15	1.36	0.75	0.83	1.10	1.54
No of samples	18	18	18	18	18	18	18	18	17		17	18	18	18	18	18	18
Minimum	0.00	0.02	0.00	0.03	0.00	0.02	0.02	0.00	0.08		0.08	0.00	0.05	0.00	0.00	0.00	0.03
Average	1.68	1.08	1.01	2.54	1.13	2.06	1.60	1.60	2.33		2.33	1.62	1.28	1.52	1.63	1.55	1.34
Maximum	16.52	7.99	5.43	17.96	5.92	10.93	10.95	9.58	17.93		17.93	8.47	6.97	11.09	8.09	9.25	9.02

Location	Kumgrad					Chimbay			Mavnak		to Khiva		Khiva
	Nukus	Tuy Res	Tr	Pip	Int City	Int Gas	Tr City	Tr Gas	Well	Tr	Det	Chl	Pip
Mar-95	0.14	0.08	0.08	0.04	0.05	0.08	0.06	0.07		0.08	0.08	0.08	0.07
Apr	0.03	0.01	0.02	0.03	0.05	0.04	0.08	0.03	0.04	0.03	0.06	0.02	0.05
May	1.70	0.40	0.40	0.40	0.40	0.40	0.60	0.40	0.40	0.50	0.50	0.50	0.30
Jun	1.42	0.17	0.50	0.31	0.09	0.07	0.04	0.06	0.14	0.19	0.62	0.08	0.03
Jul	0.39	0.11	0.11	0.10	0.00	0.03	0.00	0.00	0.05	0.00	0.07	0.08	0.05
Aug	0.47	0.09	0.13	0.03	0.03	0.08	0.08	0.05	0.05	0.11	0.05	0.10	0.06
Sep	0.93	0.06	0.14	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.01	0.07	0.19
Oct	0.99	0.23	0.22	0.22	0.41	0.27	1.06	0.26	0.20	0.12	0.23	0.30	1.78
Nov	0.73	0.48	0.48	0.48	0.70	0.55	0.33	0.45	0.40	0.49	0.56	0.74	0.41
Dec	0.26	0.36	0.30	0.31	0.14	0.19	0.16	0.16	0.21	0.17	0.20	0.15	0.14
Jan-96	1.31	1.31	1.12	1.13	1.18	0.16	1.13	0.96		1.18	0.95	0.95	0.87
Feb	4.08	1.36	1.139	0.84	1.74	1.44	1.70	1.16		0.67	0.79	0.69	1.11
Mar													
Apr	1.11	0.00	0.00	0.06	0.02	0.39	0.35	0.00	0.00	0.46	0.62	0.20	0.72
May	1.09	0.65	0.13	0.01	0.00	0.39	0.16	0.08	0.09	0.33	0.66	0.28	0.26
Jun	1.76	0.34	0.62	0.38	1.46	0.41	0.82	0.83	0.38	0.30	5.18	1.30	2.53
Jul	9.32	8.40	4.54	4.44	4.98	5.63	6.42	5.75	4.68	12.58	6.34	4.62	3.56
Aug	6.26	4.81	5.07	5.75	4.84	3.93	4.74	5.18	6.18	4.91	5.88	5.55	3.09
Sep	1.41	0.67	1.62	1.94	1.35	0.82	0.98	4.75	1.26	0.56	1.84	1.34	0.63
No of samples	18	16	17	18	18	17	18	18	14	8	16	18	15
Minimum	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00
Average	1.86	1.18	1.55	0.93	0.98	0.87	1.04	1.12	0.97	2.30	0.68	1.35	0.94
Maximum	9.32	8.40	11.39	5.75	4.98	5.63	6.42	5.75	6.18	12.58	5.88	6.34	4.62

unit : ppb

Se

Location	Amu Darya	Kap Res	Dri	Kip	Tah	Kvz	Tuy-Urg	Tuy-Nuk	Ungench	Well	Tr	Tuy-Rec	Pip	to Khv	Khiva
	Tuy Res								Cnl						Pip
Mar-95	0.83	0.30	0.44	0.81	0.90	0.64	0.56	0.76		0.00	0.41	0.69	0.28	0.43	0.24
Apr	0.91	1.14	0.69	1.30	1.04	1.08	1.41	1.42	0.00	0.68	0.95	0.28	0.35	1.15	1.28
May	2.70	2.20	3.00	3.20	2.80	3.40	3.30	3.00	2.40	1.50	2.20	2.60	2.80	3.00	2.86
Jun	1.22	1.50	1.29	0.51	0.81	0.69	0.55	0.16	1.18	1.04	1.33	1.22	1.30	1.30	1.43
Jul	0.48	0.54	0.51	0.26	0.08	0.23	0.33	0.33	0.39	0.00	0.33	0.48	0.40	0.32	0.31
Aug	1.39	1.94	2.49	1.51	1.90	0.80	0.68	0.76	3.77	3.33	3.93	4.11	5.37	4.18	5.32
Sep	0.51	0.76	0.82	1.48	1.32	1.38	1.26	1.40	0.97	0.84	0.86	0.92	0.86	1.10	1.21
Oct	1.35	1.06	1.57	1.26	0.92	1.22	1.11	1.17	1.17	0.72	0.35	0.87	1.01	0.94	0.92
Nov	2.09	2.49	1.92	0.14	0.47	0.27	0.51	0.27	2.34	0.00	0.00	0.05	0.49	0.01	0.00
Dec	1.94	2.03	1.85	2.22	1.89	2.39	2.40	2.45	1.88	1.32	2.00	2.29	2.47	2.18	2.00
Jan-96	0.87	0.23	1.19	1.53	1.95	1.48	2.08	1.75	0.14	0.00	0.00	1.39	1.32	0.39	0.72
Feb	1.31	1.19	1.94	0.98	1.51	1.21	2.73	2.89	1.60	1.46	2.15	2.28	2.43	2.51	2.55
Mar															
Apr	1.35	1.51	1.61	0.72	1.58	1.47	0.91	1.24	1.30	0.99	1.45	1.64	0.54	0.78	0.99
May	2.14	1.74	0.55	1.88	1.98	1.68	1.60	1.90	1.53	1.72	1.56	1.61	1.80	0.80	1.91
Jun	2.99	1.95	2.20	1.07	1.08	0.81	1.25	1.33	2.03	1.72	1.42	1.81	1.62	1.45	1.83
Jul	1.25	1.44	2.16	1.06	2.49	1.89	2.24	1.53	2.05	1.45	2.24	3.16	1.75	1.94	1.90
Aug	2.86	2.19	2.06	1.22	1.58	2.22	2.82	1.53	1.36	1.54	2.49	2.19	2.49	1.06	2.06
Sep	6.30	2.63	3.35	6.61	3.95	3.33	3.28	3.29	2.81	4.20	3.82	3.93	3.04	3.45	3.80
No of samples	18	18	18	18	18	18	18	18	17	18	18	18	18	18	18
Minimum	0.48	0.23	0.44	0.14	0.08	0.23	0.33	0.16	0.00	0.00	0.00	0.05	0.28	0.01	0.00
Average	1.80	1.49	1.65	1.54	1.57	1.46	1.84	1.51	1.56	1.23	1.55	1.75	1.68	1.50	1.74
Maximum	6.30	2.63	3.35	6.61	3.95	3.40	4.68	3.29	3.77	4.20	3.93	4.11	5.37	4.18	5.32

Location	Nukus	Kungrad	Chimbay	Maynak	Pip
	Cnl	Int City	Int Gas	Tr	Tr
Mar-95	0.92	0.58	1.11	0.69	0.43
Apr	1.34	1.27	1.24	0.94	0.40
May	4.10	4.00	3.40	3.80	3.50
Jun	0.83	0.78	0.83	0.87	0.79
Jul	0.22	0.18	0.23	0.16	0.18
Aug	1.40	1.27	1.41	1.41	1.64
Sep	1.19	1.43	1.71	1.55	1.74
Oct	0.96	1.21	1.15	1.35	1.24
Nov	0.26	0.24	0.56	0.98	1.08
Dec	2.17	2.31	2.03	2.24	1.82
Jan-96	1.34	2.02	2.60	1.73	0.76
Feb	1.43	1.90	1.79	1.84	0.99
Mar					1.21
Apr	1.60	0.89	0.93	1.28	1.37
May	2.24	1.72	1.83	2.26	2.02
Jun	0.58	0.91	0.72	0.60	1.07
Jul	1.57	1.70	1.89	2.55	1.73
Aug	0.55	0.58	0.47	0.24	8.52
Sep	5.28	4.12	3.95	3.42	5.91
No of samples	18	17	18	18	18
Minimum	0.22	0.18	0.23	0.16	0.09
Average	1.55	1.40	1.83	1.53	1.95
Maximum	5.28	4.12	4.67	3.42	8.52

unit : mg / l

F

Location	Amu Darva	Kap Res	Dij	Kip	Tah	Kvz	Tuy-Urg	Tuy-Nuk	Urgench	Well	Trt	Tuy-Rec	Pip	to Khv	Khiva
Mar-95															Pip
Apr															
May															
Jun															
Jul	0.17	0.18	0.25	0.22	0.23	0.19	0.21	0.27	0.31	0.37	0.30	0.17	0.29	0.25	0.27
Aug	0.11	0.01	0.14	0.10	0.01	0.10	0.26	0.19	0.12	0.50	0.33	0.30	0.31	0.20	0.37
Sep	0.15	0.17	0.22	0.21	0.18	0.16	0.20	0.21	0.30	0.34	0.26	0.16	0.28	0.23	0.19
Oct	0.33	0.38	0.15	0.53	0.47	0.45	0.70	0.68	0.57	0.86	0.70	0.69	0.70	0.70	0.76
Nov	0.50	0.61	0.50	0.23	0.30	0.19	0.42	0.46	0.52	0.77	0.68	0.50	0.46	0.60	0.60
Des	0.12	0.21	0.17	0.31	0.31	0.34	0.15	0.14	0.30	0.45	0.31	0.14	0.14	0.26	0.34
Jan-96	0.43	0.50	0.45	0.30	0.40	0.42	0.49	0.49	0.70	0.88	0.42	0.44	0.43	0.70	0.53
Feb	0.95	0.47	0.47	0.46	0.48	0.48	0.36	0.46	0.49	0.70	0.40	0.62	0.46	0.49	0.45
Mar															
Apr	0.56	0.57	0.53	0.67	0.04	0.58	0.31	0.37	0.60	0.67	0.23	0.45	0.43	0.67	0.46
May															
Jun															
Jul															
Aug															
Sep															
No of samples	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Minimum	0.11	0.01	0.14	0.10	0.01	0.10	0.15	0.14	0.12	0.34	0.23	0.14	0.14	0.20	0.19
Average	0.37	0.34	0.32	0.34	0.27	0.32	0.34	0.36	0.43	0.59	0.40	0.39	0.39	0.46	0.46
Maximum	0.95	0.61	0.53	0.67	0.48	0.58	0.70	0.68	0.70	0.86	0.70	0.69	0.70	0.70	0.76

Location	Nukus	Kungrad	Chimbay	Muynak	to Khv	Khiva
Mar-95						
Apr						
May						
Jun						
Jul	0.13	0.22	0.22	0.34	0.32	0.34
Aug	0.19	0.12	0.11	0.17	0.23	0.16
Sep	0.13	0.13	0.20	0.32	0.25	0.38
Oct	0.45	0.33	0.45	0.50	0.49	0.38
Nov	0.21	0.31	0.27	0.40	0.40	0.41
Des	0.31	0.29	0.28	0.31	0.30	0.31
Jan-96	0.26	0.30	0.33	0.36	0.35	0.61
Feb	0.36	0.46	0.43	0.51	0.25	0.47
Mar						
Apr	0.55	0.59	0.52	0.84	0.58	0.52
May						
Jun						
Jul						
Aug						
Sep						
No of samples	9	8	9	9	6	9
Minimum	0.13	0.13	0.12	0.17	0.23	0.16
Average	0.29	0.33	0.31	0.34	0.33	0.40
Maximum	0.55	0.59	0.52	0.84	0.49	0.58

Location	Amu Darya				Tuy-Urg				Tuy-Nuk				Urgench				Khiva			
	Tuy Res	Kap Res	Dri	Kip	Tah	Kyz							Cni	Well	Ttr	Tuya-Rec	Pip	to Khv	Pip	Khiva
Mar-95	8.2	6.8	8.2	8.2	8.2	8.2			7.4	7.3			8.1	7.9	8.0	8.1	8.2	8.1	8.1	8.1
Apr	8.1	8.2	8.1	8.2	8.1	8.2			8.2	8.1			8.1	7.7	8.3	8.1	8.0	8.1	8.1	8.1
May	8.1	8.3	8.2	8.4	7.9	8.1			8.1	8.2			8.1	7.6	8.3	8.1	8.3	8.1	8.1	8.1
Jun	7.8	8.3	7.5	8.2	8.2	7.9			6.8	6.7			7.1	7.1	7.4	7.5	7.7	7.7	7.7	7.3
Jul	8.1	8.0	7.5	7.5	6.4	6.2			6.9	7.0			7.3	7.3	7.0	6.9	7.1	7.1	7.1	7.0
Aug	8.3	8.4	8.0	6.4	6.9	6.8			8.2	8.2			8.3	8.1	8.3	8.3	8.3	8.3	8.3	8.3
Sep	8.4	8.1	8.3	8.3	8.5	8.6			8.4	8.4			8.3	7.6	8.2	8.2	8.2	8.5	8.5	8.2
Oct	8.6	8.5	8.5	8.2	8.4	8.4			8.6	8.6			8.4	7.8	8.3	8.3	8.4	8.5	8.4	8.4
Nov	8.2	7.9	8.0	8.2	8.2	8.2			8.2	8.2			8.0	7.6	8.1	8.1	8.1	8.0	7.9	7.9
Dec	8.2	8.3	8.4	7.8	8.1	7.8			8.3	8.3			8.1	7.9	8.2	8.2	8.2	8.2	8.2	8.2
Jan-96	8.1	8.2	7.9	7.9	8.3	7.9			8.3	7.9			8.0	7.6	8.0	8.1	8.0	8.0	8.0	8.0
Feb	8.5	8.5	8.4	7.5	8.0	7.8			8.0	7.8			8.5	8.3	8.4	8.5	8.4	8.5	8.5	8.5
Mar																				
Apr	8.3	8.2	8.2	7.6	7.9	7.8			7.9	7.8			8.4	7.9	8.3	8.2	8.3	8.4	8.4	8.4
May																				
Jun																				
Jul																				
Aug																				
Sep																				
No of samples	13	13	13	13	13	13			13	13			13	13	13	13	13	13	12	12
Minimum	7.8	6.8	7.5	6.4	6.4	6.2			6.8	6.7			7.1	7.1	7.0	6.9	7.1	7.1	7.1	7.0
Average	8.2	8.1	8.1	7.9	7.9	7.8			7.9	7.9			8.0	7.7	8.0	8.0	8.1	8.1	8.1	8.0
Maximum	8.6	8.5	8.5	8.8	8.5	8.6			8.6	8.6			8.5	8.3	8.4	8.5	8.4	8.5	8.5	8.5

Location	Nukus				Kungrad				Chimbay				Muyrak			
	Cni	Tuy Rec	Ttr	Pip	Int City	Int Gas	Ttr City	Ttr Gas	Well	Ttr	Dct	Cni	Ttr	Pip		
Mar-95	8.2	8.6	8.5	7.1	8.2	8.2	8.3	8.0					8.1	8.0	7.9	8.2
Apr	8.0	7.9	7.9	7.7	7.7	7.8	8.2	7.9					7.8	8.0	7.8	7.9
May	7.9		7.7	7.8	8.3	7.7	7.5	7.9					7.8	7.4		7.4
Jun	8.2		8.3	7.9	8.3	8.0	7.9	8.1					8.0	8.1		
Jul	7.9	7.4	7.6	6.4	7.8	7.7	7.7	7.8					7.0	7.7	7.6	7.6
Aug	6.2		6.8	6.5	6.7		6.8	8.0					6.8	6.6	6.4	
Sep	8.6	8.0	7.7	7.2	7.4	7.8	8.0	8.3					8.0	7.6	7.4	
Oct	8.3	8.3	8.0	7.9	8.2	8.2	8.1	8.1					8.3	8.2	7.9	7.9
Nov	7.9	8.0	8.0	7.9	8.0	8.0	8.0	7.8					8.2	8.0	7.9	8.1
Dec	8.1	7.9	7.8	8.0	8.0	7.9	8.0	7.8					7.8	8.1	7.5	8.2
Jan-96	8.0	8.2	8.3	8.2	8.3	8.1	8.1	8.2					8.2	7.9	7.5	8.1
Feb	7.9	7.8	7.9	7.7	7.4	7.5	7.3	7.3					7.2	8.0	7.7	7.9
Mar																
Apr	7.5	7.8	7.8	7.8	6.4	7.0	7.1	7.8					7.1	6.4	7.1	7.7
May																
Jun																
Jul																
Aug																
Sep																
No of samples	13	10	13	13	13	12	13	13					8	5	11	12
Minimum	6.2	7.4	6.8	6.4	6.4	7.0	6.8	7.3					7.1	6.2	7.0	6.4
Average	7.9	8.0	7.9	7.6	7.7	7.8	7.8	7.9					7.9	7.2	7.8	7.7
Maximum	8.6	8.6	8.5	8.3	8.3	8.2	8.3	8.3					8.6	7.9	8.3	8.2

unit: mg/l

Fe

Location	Amu Darva	Kap Res	Dr	Kip	Tah	Kyz	Tuy-Urg	Tuy-Nuk	Urgeneth	Well	Trt	Tuy-Rec	Pip	to Kliv	Khiva
	Tuy Res								Cnl						Pip
Mar-95	0.45	0.16	0.43	1.55	2.12	1.69	0.43	0.71		0.11	0.47	0.50	0.45	0.50	0.95
Apr	0.17	0.21	1.18	0.84	0.44	0.30	0.42	2.21	0.24	0.61	0.23	0.30	0.14	0.53	0.39
May	2.80	0.21	0.14	1.20	0.08	1.50	0.23	0.63	1.80	0.11	0.27	0.22	0.13	0.22	0.30
Jun	16.53	0.11	0.42	11.05	1.42	5.33	0.12	0.56	10.39	0.12	0.63	0.04	0.38	0.67	0.69
Jul	0.65	0.21	0.26	3.45	1.02	2.43	0.54	0.30	3.59	0.11	0.55	0.33	0.75	0.87	1.20
Aug	1.18	0.89	1.12	1.00	1.29	10.71	0.39	1.38	6.79	0.63	0.80	3.55	1.59	0.55	0.81
Sep	0.62	0.62	0.62	3.67	1.26	1.60	1.32	1.01	1.55	0.46	1.01	3.27	1.11	0.70	0.93
Oct	0.11	0.10	0.15	0.09	0.09	0.06	0.13	0.09	0.13	0.10	0.15	0.96	0.17	0.16	0.12
Nov	0.20	0.19	0.09	1.00	0.92	0.97	0.16	0.24	0.18	0.09	0.14	0.25	0.31	0.16	0.18
Dec	0.15	0.17	0.08	0.11	0.04	0.04	0.07	0.09	0.13	0.13	0.12	0.07	0.10	0.08	0.09
Jan-96	0.09	0.10	0.13	0.09	0.08	0.76	0.31	0.08	0.13	0.33	0.16	0.14	0.26	0.16	0.12
Feb	0.12	0.06	0.16	0.21	0.13	0.09	0.17	0.16	0.64	1.02	0.15	0.22	0.87	0.32	0.20
Mar															
Apr	0.21	0.18	0.17	1.67	0.35	1.23	0.27	0.61	1.01	0.37	1.96	0.52	0.43	0.47	0.36
May	0.51	0.20	0.24	2.51	2.06	2.21	2.48	0.66	0.31	0.51	0.49	0.52	0.45	0.15	0.56
Jun	0.12	0.05	0.02	2.43	0.80	3.33	0.14	0.10	0.02	0.03	0.03	0.03	0.03	0.18	0.23
Jul	0.25	0.26	0.14	3.86	0.95	0.95	0.65	0.31	0.49	0.25	0.93	0.30	0.44	0.69	0.36
Aug	0.48	0.29	0.42	2.71	0.69	2.31	0.62	0.52	0.71	0.59	3.18	0.26	0.69	0.97	0.71
Sep	0.13	0.16	0.10	0.89	0.49	0.37	0.10	0.15	0.30	0.73	0.15	0.22	0.17	0.29	0.24
No of samples	18	18	18	18	18	18	18	18	17	18	18	18	18	18	18
Minimum	0.09	0.05	0.02	0.09	0.04	0.04	0.07	0.08	0.02	0.03	0.03	0.03	0.03	0.08	0.09
Average	1.38	0.23	0.33	2.13	0.79	2.12	0.47	0.54	1.67	0.32	0.63	0.65	0.47	0.43	0.47
Maximum	16.53	0.89	1.18	11.05	2.12	10.71	2.48	2.21	10.39	1.02	3.18	3.55	1.59	0.97	1.20

Location	Nukus	Kungrad	Chimbay	Musnak
	Cnl	Int Cr	Well	Cnl
Mar-95	0.91	1.17	0.28	0.29
Apr	0.50	0.31	0.62	0.43
May	1.30	0.15	0.23	0.23
Jun	8.08	1.32	1.69	0.29
Jul	2.38	0.84	0.21	0.33
Aug	12.36	3.59	7.51	3.90
Sep	0.90	0.44	6.33	1.20
Oct	0.05	0.10	0.06	0.07
Nov	0.47	0.22	0.45	0.23
Dec	0.11	0.10	0.10	0.07
Jan-96	0.10	0.20	0.46	0.24
Feb	0.16	0.17	21.18	0.16
Mar				
Apr	1.74	0.20	0.30	0.27
May	2.47	0.66	1.35	0.40
Jun	1.53	0.56	0.74	0.55
Jul	1.67	0.05	0.56	0.23
Aug	1.43	0.26	0.76	0.29
Sep	1.05	0.19	1.14	0.15
No of samples	18	16	17	18
Minimum	0.05	0.05	0.06	0.07
Average	2.09	0.57	2.14	0.80
Maximum	12.36	3.59	21.18	7.51

Total hardness

unit : mg eq / l

Location	Amo Darva		Tuy-Urg				Uygench		to Khv				Khiva		
	Tuy Res	Kap Res	Dry	Kip	Tah	Kvz	Tuy-Urg	Tuy-Nuk	Cnl	Well	Tr	Tuy-Rec	Pip	to Khv	Pip
Mar-95	12.2	9.6	10.6	13.7	9.8	12.2	10.8	13.0	10.4	10.0	10.2	9.8	10.8	10.5	10.6
Apr	13.6	8.8	13.0	14.9	15.7	15.1	13.0	13.9	11.0	10.1	11.2	13.1	12.0	11.3	11.0
May	6.0	7.6	6.4	6.4	6.4	6.7	6.0	6.0	6.8	10.0	7.0	6.4	6.4	7.0	6.6
Jun	5.5	6.0	5.5	5.7	5.5	5.3	6.2	7.0	6.6	9.4	6.2	6.0	6.0	6.4	6.2
Jul	4.6	5.0	5.0	5.0	5.2	5.2	5.0	4.6	5.4	9.6	5.0	5.0	5.4	5.4	5.6
Aug	4.8	5.8	8.0	6.4	6.9	6.8	5.6	5.0	6.6	9.4	6.6	5.2	5.8	6.8	6.2
Sep	7.4	5.4	5.2	8.8	8.5	8.5	8.0	7.6	7.8	9.6	7.6	7.6	7.4	7.6	8.4
Oct	5.8	5.0	6.0	10.0	10.0	10.1	6.0	6.0	8.8	9.6	8.6	7.4	7.6	8.8	8.8
Nov	8.2	6.4	8.0	9.2	9.2	9.1	8.2	8.2	12.2	9.8	12.0	8.2	8.2	12.0	12.0
Dec	8.3	7.8	8.4	10.4	11.3	11.2	8.4	8.2	12.0	9.6	12.2	8.6	8.6	12.4	12.0
Jan-96	8.6	7.4	8.6	9.3	9.7	9.6	8.8	8.0	15.6	10.4	15.8	8.6	9.2	16.4	15.6
Feb	8.5	6.4	8.3	9.8	8.6	9.6	8.3	8.5	8.1	9.2	7.9	8.3	8.3	8.1	8.3
Mar															
Apr	7.7	7.7	7.7	8.6	8.4	9.6	7.7	7.7	8.3	9.5	8.1	8.1	8.1	8.5	8.1
May	5.9	6.8	6.1	8.5	8.6	8.4	5.1	6.4	7.2	9.3	8.4	6.6	7.4	8.0	8.0
Jun	4.4	4.8	4.4	5.0	5.0	5.6	4.6	4.6	5.5	9.8	5.3	4.6	4.8	5.0	5.1
Jul	5.1	5.2	5.1	5.2	5.0	5.2	5.1	5.1	5.3	9.0	5.0	5.7	5.1	5.0	5.1
Aug	5.0	5.5	4.1	5.1	5.2	5.1	4.5	4.1	5.3	9.4	5.1	4.8	4.8	5.3	5.0
Sep	7.3	6.7	7.1	6.8	7.8	7.8	7.3	7.3	8.1	10.4	7.7	7.3	7.5	7.6	7.5
No of samples	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Minimum	4.4	4.8	4.1	5.0	5.0	5.1	4.5	4.1	5.3	9.0	5.0	4.6	4.8	5.0	5.0
Average	7.2	6.6	7.1	8.3	8.2	8.4	7.1	7.3	8.4	9.7	8.3	7.3	7.4	8.5	8.3
Maximum	13.6	9.6	13.0	14.9	15.7	15.1	13.0	13.9	15.6	10.4	15.8	13.1	12.0	16.4	15.6

Location	Nikus				Kungrad				Chimbav				Muybak			
	Cnl	Tuy Rec	Tr	Pip	Int Clv	Int Gas	Tr Clv	Tot Gas	Well	Tr	Dst	Cnl	Tr	Pip		
Mar-95	12.5	11.9	11.0	11.4	10.2	10.1	10.0	10.4			11.8	9.4	9.6	9.2		
Apr	15.7	14.3	14.0	14.2	12.4	15.2	12.9	14.5	11.0		14.0	12.3	12.6	11.5		
May	6.8		6.4	6.8	10.4	11.6	11.0	12.4	7.2		6.4	12.3		12.2		
Jun	5.7		5.3	5.2	8.2	10.2	9.3	9.9	7.1		5.2	8.2				
Jul	5.0	4.6	4.8	4.6	7.0	6.8	6.8	7.0	8.0	4.8	4.4	7.6	7.6	7.6		
Aug	7.4		6.8	6.5	6.7		8.0	7.1	8.6	6.2		6.8	6.6	6.4		
Sep	8.6	8.0	7.7	7.2	7.4	7.8	8.6	7.8	8.2	7.3		8.0	7.6	7.4		
Oct	9.3	8.8	9.6	9.0	8.8	9.3	10.8	8.9	8.0		9.2	10.2	9.4	9.2		
Nov	9.1	9.6	9.2	9.5	8.9	9.5	8.5	9.6		8.0	8.7	10.4	10.6	10.8		
Dec	11.2	10.2	10.4	10.3	11.7	11.0	11.4	10.8		9.0	10.4	13.1	11.6	12.8		
Jan-96	9.5	8.8	9.0	8.9	11.0	11.8	11.8	11.5			8.4	15.6	15.5	15.4		
Feb	9.6	9.4	9.3	9.6	9.6	10.5	9.7	10.6			9.6	12.5	14.2	15.6		
Mar																
Apr	8.5	7.7	7.4	7.4	8.3	9.6	8.8	9.4	6.6		8.0	11.2	9.6	10.4		
May	8.4	7.6	7.3	7.3	7.6	8.5	8.5	8.7	6.1	8.0	5.0	10.0	8.5	8.8		
Jun	5.0	4.5	4.5	4.5	8.1	10.0	8.9	9.6	7.5			10.6	9.8	8.7		
Jul	5.1	4.6	5.0	4.7	7.0	6.7	7.5	6.8	7.8	5.0	4.5	9.6	10.0	9.2		
Aug	5.3	5.0	5.0	4.6	5.5	5.6	5.6	5.4	7.6	4.8	8.0	10.0	10.8	8.5		
Sep	7.7	6.8	7.0	8.4	7.8	8.0	8.2	7.8	8.5			10.1	10.4	9.5		
No of samples	18	15	18	18	18	17	18	18	13	8	14	18	16	17		
Minimum	5.0	4.5	4.5	4.5	5.5	5.6	5.6	5.4	6.1	4.8	4.4	6.8	6.6	6.4		
Average	8.4	8.1	7.8	7.8	8.7	9.5	9.2	9.3	7.9	6.6	8.1	10.4	10.3	10.2		
Maximum	15.7	14.3	14.0	14.2	12.4	15.2	12.9	14.5	11.0	9.0	14.0	15.6	15.5	15.6		

Mn

unit : mg / l

Location	Amu Darva				Tuy-Urg		Tuy-Nuk		Urgench		Tuy-Rec		Khiva	
	Tuy Res	Kap Res	Dn	Kip	Tah	Kvz			Cnl	Tr			Pip	Pip
Mar-95	0.011	0.009	0.008	0.035	0.045	0.036	0.000	0.000	0.153	0.014	0.000	0.021	0.017	0.053
Apr	0.007	0.013	0.036	0.017	0.000	0.000	0.008	0.078	0.092	0.007	0.009	0.005	0.014	0.018
May	0.640	0.007	0.005	0.220	0.005	0.340	0.011	0.025	0.140	0.120	0.010	0.005	0.008	0.009
Jun	0.476	0.000	0.015	0.116	0.018	0.008	0.008	0.023	0.121	0.038	0.034	0.030	0.033	0.009
Jul	0.014	0.009	0.012	0.106	0.027	0.071	0.036	0.028	0.086	0.116	0.013	0.030	0.034	0.056
Aug	0.010	0.002	0.025	0.011	0.017	0.142	0.002	0.016	0.005	0.075	0.013	0.011	0.009	0.003
Sep	0.000	0.005	0.007	0.031	0.021	0.023	0.009	0.005	0.017	0.095	0.030	0.012	0.007	0.012
Oct	0.000	0.002	0.004	0.003	0.002	0.004	0.006	0.003	0.028	0.082	0.023	0.006	0.018	0.004
Nov	0.004	0.003	0.023	0.031	0.031	0.025	0.003	0.002	0.070	0.065	0.003	0.009	0.064	0.014
Des	0.009	0.018	0.004	0.019	0.021	0.020	0.017	0.017	0.077	0.067	0.015	0.020	0.065	0.078
Jan-96	0.021	0.034	0.000	0.016	0.026	0.033	0.018	0.025	0.156	0.039	0.153	0.036	0.168	0.124
Feb	0.039	0.048	0.117	0.167	0.134	0.136	0.078	0.105	0.341	1.734	0.170	0.188	0.276	0.076
Mar														
Apr	0.016	0.005	0.006	0.073	0.024	0.048	0.016	0.023	0.046	0.065	0.026	0.024	0.033	0.031
May	0.019	0.009	0.011	0.108	0.055	0.069	0.132	0.020	0.014	0.020	0.024	0.025	0.018	0.066
Jun	0.005	0.005	0.003	0.256	0.016	0.204	0.028	0.007	0.006	0.005	0.055	0.022	0.009	0.038
Jul	0.006	0.005	0.003	0.551	0.024	0.157	0.025	0.006	0.017	0.006	0.010	0.046	0.010	0.015
Aug	0.009	0.006	0.005	0.126	0.021	0.098	0.022	0.013	0.018	0.012	0.017	0.040	0.016	0.023
Sep	0.002	0.003	0.002	0.043	0.014	0.014	0.003	0.005	0.025	0.021	0.008	0.005	0.009	0.013
No of samples	18	18	18	18	18	18	18	18	17	18	18	18	18	18
Minimum	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.003	0.005	0.000	0.005	0.007	0.003
Average	0.072	0.010	0.014	0.107	0.028	0.085	0.023	0.022	0.074	0.155	0.043	0.029	0.030	0.031
Maximum	0.640	0.048	0.117	0.551	0.134	0.340	0.132	0.105	0.341	1.734	0.170	0.188	0.276	0.124

Location	Nukus				Kumgrad		Chimbay		Muyrak		Pip	
	Cnl	Tuy Rec	Tr	Pip	Int City	Int Gas	Well	Tr	Dst	Cnl	Tr	Pip
Mar-95	0.120	0.007	0.007	0.003	0.006	0.007	0.006	0.001	0.015	0.010	0.010	0.002
Apr	0.017	0.000	0.000	0.000	0.018	0.009	0.009	0.007	0.000	0.007		
May	0.240	0.002	0.003	0.010	0.003	0.004	0.006	0.012	0.031	0.031		0.055
Jun	0.100	0.019	0.039	0.003	0.016	0.002	0.027	0.006	0.023	0.010	0.043	
Jul	0.102	0.037	0.014	0.023	0.004	0.011	0.016	0.022	0.029	0.041	0.008	0.026
Aug	0.023	0.022	0.046	0.017	0.007	0.004	0.022	0.009	0.026	0.022	0.009	0.007
Sep	0.013	0.006	0.037	0.012	0.008	0.007	0.016	0.005	0.005	0.024	0.012	0.006
Oct	0.030	0.004	0.003	0.005	0.004	0.004	0.001	0.003	0.005	0.012	0.000	0.000
Nov	0.018	0.004	0.011	0.007	0.008	0.011	0.007	0.008	0.015	0.019	0.008	0.006
Des	0.025	0.020	0.027	0.029	0.038	0.034	0.041	0.038	0.030	0.040	0.041	0.042
Jan-96	0.039	0.049	0.043	0.041	0.045	0.047	0.048	0.045	0.051	0.051	0.051	0.054
Feb	0.068	0.124	0.572	0.109	0.056	0.136	0.142	0.068	0.186	0.140	0.124	0.138
Mar												
Apr	0.085	0.018	0.015	0.024	0.033	0.109	0.030	0.029	0.059	0.039	0.029	0.033
May	0.093	0.034	0.029	0.005	0.006	0.010	0.008	0.007	0.012	0.043	0.019	0.013
Jun	0.040	0.016	0.021	0.010	0.010	0.013	0.006	0.007	0.024	0.028	0.006	0.102
Jul	0.193	0.169	0.045	0.017	0.022	0.022	0.009	0.032	0.032	0.053	0.013	0.035
Aug	0.047	0.018	0.031	0.015	0.018	0.014	0.019	0.031	0.029	0.061	0.016	0.017
Sep	0.042	0.006	0.027	0.005	0.009	0.013	0.007	0.019	0.023	0.032	0.005	0.008
No of samples	18	16	17	18	18	17	18	14	8	16	15	16
Minimum	0.013	0.000	0.000	0.000	0.003	0.003	0.001	0.001	0.000	0.000	0.000	0.000
Average	0.072	0.034	0.053	0.022	0.018	0.027	0.027	0.020	0.037	0.035	0.023	0.035
Maximum	0.240	0.169	0.572	0.109	0.056	0.136	0.142	0.068	0.186	0.140	0.124	0.138

unit: mg / l

Cu

Location	Amu Darva				Tuy-Urg				Tuy-Nuk				Urgench				to Khv				Khiva
	Tuy Res	Kap Res	Dri	Kip	Tah	Kyz			Tuy-Urg	Tuy-Nuk			Can	Well	Tr	Tuy-Res	Pip			Pip	
Mar-95	0.000	0.002	0.001	0.003	0.003	0.003			0.004	0.000				0.000	0.000	0.000	0.000	0.000	0.000	0.003	
Apr	0.006	0.007	0.009	0.006	0.012	0.008			0.011	0.018			0.010	0.000	0.001	0.003	0.003	0.003	0.009	0.016	
May	0.034	0.001	0.004	0.009	0.000	0.013			0.001	0.002			0.011	0.000	0.000	0.002	0.000	0.000	0.000	0.002	
Jun	0.050	0.000	0.000	0.032	0.012	0.021			0.004	0.002			0.022	0.000	0.001	0.002	0.001	0.001	0.001	0.003	
Jul	0.002	0.003	0.002	0.022	0.000	0.016			0.019	0.018			0.014	0.006	0.007	0.008	0.011	0.010	0.010	0.014	
Aug	0.004	0.000	0.000	0.006	0.000	0.004			0.003	0.010			0.000	0.005	0.001	0.000	0.000	0.000	0.000	0.000	
Sep	0.004	0.003	0.006	0.128	0.034	0.106			0.068	0.085			0.009	0.007	0.075	0.093	0.065	0.077	0.093	0.093	
Oct	0.002	0.001	0.003	0.004	0.007	0.007			0.018	0.008			0.002	0.006	0.007	0.011	0.003	0.002	0.001	0.001	
Nov	0.010	0.008	0.009	0.003	0.002	0.013			0.000	0.019			0.013	0.010	0.009	0.012	0.011	0.013	0.003	0.003	
Des	0.022	0.012	0.009	0.017	0.019	0.016			0.016	0.016			0.015	0.012	0.013	0.014	0.019	0.017	0.013	0.013	
Jan-96	0.009	0.011	0.011	0.001	0.005	0.006			0.020	0.001			0.012	0.014	0.014	0.014	0.014	0.017	0.017	0.017	
Feb	0.048	0.044	0.051	0.031	0.046	0.027			0.127	0.116			0.055	0.065	0.078	0.076	0.086	0.100	0.110	0.110	
Mar																					
Apr	0.001	0.001	0.001	0.006	0.003	0.014			0.004	0.005			0.002	0.001	0.004	0.001	0.001	0.002	0.002	0.002	
May	0.003	0.002	0.002	0.008	0.008	0.007			0.008	0.003			0.003	0.004	0.003	0.002	0.002	0.000	0.000	0.002	
Jun	0.007	0.008	0.009	0.039	0.018	0.030			0.003	0.014			0.009	0.009	0.010	0.012	0.011	0.012	0.012	0.012	
Jul	0.005	0.006	0.005	0.041	0.019	0.024			0.009	0.008			0.009	0.007	0.009	0.012	0.007	0.008	0.007	0.007	
Aug	0.009	0.011	0.011	0.011	0.016	0.011			0.013	0.014			0.013	0.014	0.023	0.012	0.013	0.015	0.014	0.014	
Sep	0.004	0.004	0.004	0.010	0.007	0.015			0.006	0.011			0.005	0.003	0.005	0.005	0.005	0.005	0.005	0.006	
No. of samples	18	18	18	18	18	18			18	18			17	18	18	18	18	18	18	18	
Minimum	0.000	0.000	0.000	0.001	0.000	0.002			0.001	0.000			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Average	0.012	0.007	0.008	0.021	0.012	0.024			0.020	0.018			0.012	0.009	0.014	0.014	0.016	0.016	0.016	0.018	
Maximum	0.050	0.044	0.051	0.128	0.046	0.106			0.127	0.116			0.055	0.065	0.078	0.093	0.086	0.100	0.110	0.110	

Location	Nukus				Kungurad				Chimbav				Muyrak				to Khv				Khiva
	Chl	Tuy Res	Tr	Pip	Int City	Int Gas	Tr City	Tuy Gas	Well	Tr	Dst	Chl	Tr	Tr	Tr	Tr					
Mar-95	0.007	0.006	0.002	0.008	0.004	0.000	0.001	0.027									0.000	0.000	0.000	0.000	
Apr	0.012	0.007	0.009	0.004	0.002	0.010	0.005	0.003	0.003	0.006	0.008	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
May	0.011		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Jun	0.018		0.007	0.026	0.002	0.002	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Jul	0.003	0.004	0.000	0.000	0.003	0.003	0.001	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Aug	0.015	0.006		0.024	0.005		0.003	0.000	0.010	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Sep	0.135	0.484	0.216	0.000	0.170	0.116	0.133	0.171	0.052	0.089	0.000	0.225	0.237	0.250			0.000	0.000	0.000	0.000	
Oct	0.003	0.002	0.002	0.002	0.004	0.001	0.000	0.001	0.001	0.001	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	
Nov	0.005	0.005	0.006	0.005	0.006	0.003	0.006	0.003	0.000	0.002	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	
Dec	0.023	0.019	0.017	0.019	0.026	0.026	0.025	0.022	0.019	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	
Jan-96	0.006	0.009	0.003	0.008	0.011	0.010	0.012	0.011									0.000	0.000	0.000	0.000	
Feb	0.044	0.070	0.259	0.093	0.115	0.099	0.026	0.104									0.000	0.000	0.000	0.000	
Mar																	0.000	0.000	0.000	0.000	
Apr	0.006	0.009	0.001	0.002	0.003	0.003	0.002	0.002	0.001	0.001	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	
May	0.008	0.002	0.002	0.006	0.001	0.001	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
Jun	0.021	0.021	0.018	0.022	0.024	0.021	0.025	0.034	0.027	0.027	0.022	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	
Jul	0.025	0.022	0.017	0.019	0.017	0.017	0.005	0.024	0.015	0.019	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	
Aug	0.008	0.006	0.006	0.006	0.007	0.006	0.008	0.007	0.021	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	
Sep	0.010	0.007	0.013	0.008	0.011	0.010	0.010	0.018	0.010	0.010	0.009	0.011	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	
No. of samples	18	16	17	18	18	18	18	18	14	8	16	18	15	16			0.000	0.000	0.000	0.000	
Minimum	0.003	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Average	0.020	0.042	0.034	0.014	0.023	0.019	0.015	0.024	0.012	0.015	0.012	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	
Maximum	0.135	0.484	0.259	0.093	0.170	0.116	0.133	0.171	0.052	0.089	0.089	0.225	0.237	0.250			0.000	0.000	0.000	0.000	

Location	Amu Darya Tuv Res	Kap Res	Dri	Kip	Tsh	Kyz	Tuy-Urg	Tuy-Nuk	Unyench Cnl	Well	Trt	Tuv-Rec	Pip	to Khv	Khiva Pip
Mar-95	0.03	0.01	0.04	0.02	0.01	0.02	0.06	0.04	0.02	0.02	0.01	0.02	0.03	0.03	0.02
Apr	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
May	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Jun	0.66	0.07	0.08				0.01	0.01	0.08		0.11	0.15			
Jul	0.01	0.01	0.01	0.02	0.01	0.03	0.01	0.02	0.01	0.01	0.01	0.01	0.02	0.01	0.00
Aug	0.02	0.01	0.02	0.00	0.01	0.01	0.01	0.02	0.03	0.01	0.02	0.01	0.02	0.03	0.01
Sep	0.01	0.01	0.00	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01
Oct	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.02
Nov	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Dec	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Jan-96	0.01	0.01	0.01	0.01	0.00	0.01	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.01
Feb	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Mar															
Apr															
May															
Jun															
Jul															
Aug															
Sep															
No of samples	12	12	12	11	11	11	12	12	12	12	11	12	12	12	12
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.06	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.02	0.01	0.01	0.01
Maximum	0.66	0.07	0.08	0.02	0.01	0.03	0.06	0.04	0.08	0.02	0.11	0.15	0.03	0.03	0.02

Location	Nukus Cnl	Tuy-Rec	Trt	Pip	Kungrad Int City	Int Gas	Trt City	Tuy-Gas	Chimbay Well	Trt	Det	Movnak Cnl	Trt	Pip
Mar-95	0.02	0.02	0.00	0.02	0.01	0.01	0.02	0.01			0.02	0.02	0.02	0.02
Apr	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01			0.02	0.02	0.01
May	0.01		0.01	0.01	0.01	0.01	0.01	0.01	0.01		0.01	0.01		0.01
Jun														
Jul	0.03	0.01	0.01	0.02	0.00	0.02	0.01	0.01	0.02	0.01	0.03	0.01	0.01	0.01
Aug	0.00		0.02	0.00	0.01		0.01	0.00	0.02	0.01		0.01	0.01	0.01
Sep	0.02	0.02	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.02		0.01	0.01	0.01
Oct	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01 not water		0.01	0.01	0.01	0.01
Nov	0.02	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01
Dec	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
Jan-96	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01		0.00	0.00	0.01	0.01	0.01
Feb	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			0.01	0.01	0.01	0.01
Mar														
Apr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.03	0.05	0.09
May														
Jun														
Jul														
Aug														
Sep														
No of samples	12	10	12	12	12	10	12	12	6	5	9	12	11	12
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Average	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
Maximum	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.03	0.03	0.05	0.09

Location	Amu Darva					Tuy-Urg					Tuy-Nuk		Urgench			Khiva		
	Tuy Res	Kap Res	Dri	Kip	Tah	Kvz						Col	Well	Trt	Tuy-Res	Pip	to Khv	Pip
Mar-95	517	405	491	636	382	581	446	446	446	446	627	512	344	478	485	482	473	471
Apr	673	420	547	605	600	680	439	439	439	439	575	517	331	349	529	584	454	442
May	176	276	257	232	222	202	203	203	203	203	208	196	338	224	257	232	253	213
Jun	322	213	261	200	200	194	289	289	289	289	262	270	301	244	237	254	238	267
Jul	128	130	123	166	198	177	157	157	157	157	169	182	242	193	183	170	211	200
Aug	172	202	306	265	259	266	232	232	232	232	179	283	291	256	207	221	257	256
Sep	289	215	184	264	272	210	298	298	298	298	285	249	337	285	309	278	281	285
Oct	281	283	303	385	376	394	308	308	308	308	293	336	290	300	275	283	337	347
Nov	334	267	344	330	349	372	328	328	328	328	314	460	288	454	310	310	458	454
Dec	311	202	315	345	398	417	289	289	289	289	302	412	276	412	304	322	462	355
Jan-96	286	280	323	359	340	358	348	348	348	348	312	638	291	648	303	320	640	640
Feb	357	272	348	415	341	410	342	342	342	342	353	349	356	345	342	352	332	336
Mar																		
Apr	324	325	323	422	430	485	317	317	317	317	315	314	356	364	315	366	362	366
May																		
Jun																		
Jul																		
Aug																		
Sep																		
No of samples	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Minimum	128	130	123	166	198	177	157	157	157	157	169	182	242	193	183	170	211	200
Average	321	268	317	356	336	365	307	307	307	307	323	363	311	350	312	321	364	356
Maximum	673	420	547	636	600	680	446	446	446	446	627	638	356	648	529	584	640	640

Location	Nukus					Konyrad					Chimbav					Muvnak				
	Cnl	Tuy Rec	Trt	Pip	Int City	Int Gas	Trt City	Tuy Gas	Tuy Gas	Trt	Well	Trt	Dst	Cnl	Trt	Pip	Trt	Pip	Trt	Pip
Mar-95	600	360	342	565	465	460	459	494	494	494	416	416	515	363	398	355	398	355	398	355
Apr	606	560	514	518	475	584	565	538	538	538	416	416	512	486	494	420	486	494	420	420
May	262	239	239	245	475	552	479	517	517	517	287	287	221	568	555	555	568	555	555	555
Jun	206	191	191	178	292	341	305	333	333	333	271	271	180	300	300	300	300	300	300	300
Jul	209	169	163	195	312	221	291	270	270	270	309	309	170	279	279	279	279	279	279	279
Aug	269	244	244	244	232	221	314	324	324	324	287	287	249	254	254	254	254	254	254	254
Sep	315	241	243	216	251	242	242	258	258	258	284	284	270	324	297	269	324	297	269	269
Oct	393	304	304	320	339	398	433	344	344	344	243	243	not water	351	418	340	351	418	340	340
Nov	338	385	317	358	321	370	347	377	377	377	287	287	351	419	436	424	351	419	436	424
Dec	421	347	405	359	366	415	391	415	415	415	334	334	367	506	433	484	367	506	433	484
Jan-96	351	305	346	317	441	459	442	428	428	428	448	448	308	669	669	659	308	669	669	659
Feb	403	389	392	391	424	445	438	452	452	452			393	541	591	622	393	541	591	622
Mar																				
Apr	431	319	361	405	479	449	421	556	556	556	312	312	478	617	481	556	478	617	481	556
May																				
Jun																				
Jul																				
Aug																				
Sep																				
No of samples	13	10	13	13	13	12	13	13	13	13	8	8	5	11	13	11	11	11	11	12
Minimum	206	169	163	178	232	221	242	258	258	258	243	243	170	254	254	254	254	254	254	257
Average	370	338	312	332	375	411	394	408	408	408	301	301	257	348	442	796	348	442	796	438
Maximum	606	560	514	565	479	584	565	556	556	556	416	416	334	669	669	659	669	669	659	659

Dry residue, Mineralization

unit : mg / l

Location	Amu Darva	Kap Res	Dry	Kup	Tub	Kyr	Tuy-Urg	Tuy-Nuk	Urgench	Well	Trt	Tuy-Rec	Pip	to Khv	Khiva
	Tuy Res	Kap Res	Dry	Kup	Tub	Kyr	Tuy-Urg	Tuy-Nuk	Urgench	Well	Trt	Tuy-Rec	Pip	to Khv	Pip
Mar-95	1,557	1,128	1,336	1,861	1,178	1,652	1,424	1,699	1,301	1,158	1,298	1,261	1,416	1,336	1,330
Apr	1,578	1,178	1,458	1,702	1,750	1,795	1,352	1,402	1,340	1,172	1,132	1,345	1,422	1,251	1,220
May	812	1,009	952	928	912	846	825	805	965	1,230	802	944	927	963	861
Jun	915	552	827	690	665	630	984	845	915	1,158	826	798	790	696	872
Jul	514	528	536	554	710	676	585	552	602	1,056	642	548	540	614	592
Aug	635	660	971	744	738	730	784	647	927	1,129	889	775	816	882	888
Sep	929	724	679	902	872	825	950	921	877	1,103	992	989	923	930	984
Oct	932	350	934	1,087	1,076	1,063	913	911	1,028	1,065	1,027	838	932	1,019	1,090
Nov	1,066	888	1,062	992	966	948	1,075	1,071	1,380	1,042	1,355	1,071	1,071	1,368	1,358
Des	1,102	1,079	1,128	1,072	1,128	1,150	1,114	1,103	1,568	1,160	1,640	1,261	1,165	1,719	1,487
Jan-96	1,114	933	1,042	1,058	1,010	1,030	1,161	1,024	2,153	1,133	2,253	1,032	1,272	2,272	2,264
Feb	1,347	1,208	1,305	1,060	914	1,132	1,163	1,247	1,163	1,207	1,144	1,171	1,176	1,135	1,133
Mar	1,177	1,161	1,176	1,186	1,220	1,374	1,144	1,159	1,152	1,238	1,214	1,149	1,316	1,202	1,330
Apr	836	1,132	794	1,156	1,108	1,136	864	868	975	1,205	1,115	896	999	1,125	1,083
May	513	648	490	521	554	519	642	622	715	1,422	715	679	674	564	675
Jun	552	905	626	623	608	591	762	734	822	1,380	732	843	768	764	738
Jul	630	786	469	547	548	511	625	616	755	1,560	753	673	406	580	709
Aug	965	889	961	876	976	946	958	950	1,028	1,308	950	995	982	966	956
Sep	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
No of samples	513	350	469	521	548	511	585	552	602	1,042	642	548	406	564	592
Minimum	954	875	930	976	941	975	963	954	1,093	1,210	1,086	960	978	1,077	1,087
Average	1,578	1,208	1,458	1,861	1,750	1,795	1,424	1,699	2,153	1,560	2,253	1,345	1,422	2,272	2,264
Maximum															

Location	Nukus	Kumrad	Chimbav	Muybak
	Urgench	Urgench	Urgench	Urgench
	Urgench	Urgench	Urgench	Urgench
Mar-95	1,603	1,268	1,200	1,424
Apr	1,756	1,547	1,520	1,524
May	939	937	901	901
Jun	694	694	613	613
Jul	690	562	578	582
Aug	736	704	704	680
Sep	928	780	785	732
Oct	1,093	886	924	904
Nov	946	882	922	896
Des	1,120	1,014	1,158	1,042
Jan-96	1,028	902	976	920
Feb	1,116	1,018	1,064	1,026
Mar				
Apr	1,216	1,012	1,028	1,062
May	1,164	975	936	980
Jun	544	506	525	510
Jul	617	490	555	571
Aug	550	529	493	596
Sep	980	842	866	854
No of samples	18	15	18	17
Minimum	544	490	493	510
Average	987	881	878	879
Maximum	1,756	1,547	1,520	1,524

Cl-

unit : mg / l

Location	Amu Darva						Tuy-Urg				Tuy-Nuk		Urgench				Pip			to Khiv	Khiva
	Tuy Res	Kap Res	Dn	Kip	Tah	Kyz					Chl	Well	Trt	Tuy-Res	Pip						
Mar-95	298	234	277	376	347	340			284	376		262	241	256	277		284	269			
Apr	362	262	355	468	478	461			355	362		319	284	333	355		326	326			
May	255	241	199	206	213	199			184	177		262	277	213	206		199	191			
Jun	426	202	284	154	142	130			237	195		199	320	199	176		176	232			
Jul	95	104	110	123	120	110			98	92		126	249	129	104		123	135			
Aug	132	150	166	156	149	156			166	154		166	266	178	149		166	199			
Sep	166	137	137	199	189	192			166	166		199	172	166	158		166	166			
Oct	240	200	215	217	209	209			260	215		250	280	250	195		250	250			
Nov	170	116	174	217	192	192			174	174		249	216	249	166		166	232			
Dec	195	158	205	233	233	241			205	195		297	260	307	186		298	307			
Jan-96	226	197	221	241	241	249			226	153		480	249	470	221		485	502			
Feb	260	207	237	233	201	241			231	146		246	270	251	246		246	237			
Apr	216	212	216	269	269	319			212	269		230	285	220	216		226	226			
May																					
Jun																					
Jul																					
Aug																					
Sep																					
No of samples	13	13	13	13	13	13			13	13		13	13	13	13		13	13			
Minimum	95	104	110	123	120	110			98	92		126	172	129	104		104	123			
Average	234	186	215	238	229	234			215	206		253	259	248	204		213	248			
Maximum	426	262	355	468	478	461			355	376		480	320	470	355		369	485			

Location	Nukus				Komsat				Chimbay				Muyrak				Pip			
	Chl	Tuy Res	Trt	Pip	Int City	Int Gas	Trt City	Trt Gas	Well	Trt	Dst	Chl	Trt	Dst	Chl	Trt	Pip	Pip	Pip	Pip
Mar-95	333	326	312	291	249	249	241	284					284	227	206	206	191	191		
Apr	498	419	392	392	381	452	362	435	333				391	370	361	343	343			
May	206		220	206	352	325	326	347	234				191	376			383			
Jun	146		138	130	211	288	231	288	219				130	227						
Jul	113	98	98	92	190	202	184	202	202	107	74		74	245	178	159	159			
Aug	149		135	128	156	213	213	163	213	135			184	184	149	149				
Sep	191	177	176	172	192	191	184	191	184	177			184	177	163	163				
Oct	217	160	176	168	172	184	281	188	160	not water	164		217	184	184	184				
Nov	217	140	172	172	184	225	184	208	160	160	152		225	245	245	241				
Dec	221	205	249	209	249	233	249	233		176			217	257	241	265				
Jan-96	233	209	225	201	265	297	297	284					193	378	378	378				
Feb	225	205	209	216	241	281	233	257					217	265	313	345				
Mar																				
Apr	277	223	213	405	319	298	311	390	282		238		355	213	312	312				
May																				
Jun																				
Jul																				
Aug																				
Sep																				
No of samples	13	10	13	13	13	12	13	13	8	8	5	11	13	11	11	12				
Minimum	113	98	98	92	156	184	184	163	160	107	74		184	149	149	149				
Average	233	216	209	214	242	269	254	267	228	151	205		270	240	240	259				
Maximum	498	419	392	405	381	452	362	435	333	177	391		378	378	378	383				

Location	Amu Darya Tuy Res	Kap Res	Dri	Kip	Tah	Kvz	Tuy-Urg	Tuy-Nuk	Unyech Cnl	Well	Trt	Tuy-Rec	Pip	to Kiv	Khiva Pip
Mar-95	0.003	0.007	0.009	0.010	0.007	0.000	0.004	0.004	0.004	0.001	0.004	0.003	0.002	0.010	0.004
Apr	0.000	0.003	0.009	0.007	0.006	0.005	0.006	0.017	0.003	0.003	0.004	0.020	0.001	0.002	0.003
May	0.064	0.013	0.003	0.024	0.011	0.040	0.002	0.021	0.023	0.006	0.008	0.015	0.004	0.004	0.002
Jun	0.073	0.007	0.001	0.069	0.008	0.038	0.003	0.000	0.046	0.003	0.011	0.007	0.001	0.000	0.000
Jul	0.004	0.002	0.000	0.018	0.008	0.011	0.013	0.006	0.026	0.011	0.011	0.006	0.011	0.010	0.015
Aug	0.002	0.000	0.002	0.003	0.004	0.010	0.004	0.002	0.002	0.010	0.008	0.005	0.002	0.003	0.003
Sep	0.001	0.002	0.001	0.003	0.003	0.003	0.002	0.002	0.001	0.000	0.007	0.007	0.003	0.003	0.000
Oct	0.021	0.003	0.005	0.003	0.003	0.004	0.020	0.005	0.014	0.006	0.004	0.018	0.007	0.004	0.003
Nov	0.006	0.003	0.010	0.018	0.010	0.009	0.018	0.007	0.003	0.003	0.004	0.008	0.013	0.006	0.005
Dec	0.009	0.012	0.009	0.014	0.016	0.019	0.012	0.016	0.011	0.019	0.014	0.011	0.011	0.012	0.013
Jan-96	0.050	0.008	0.005	0.009	0.010	0.008	0.004	0.003	0.012	0.004	0.009	0.004	0.007	0.007	0.003
Feb	0.009	0.003	0.005	0.005	0.008	0.005	0.005	0.005	0.010	0.003	0.006	0.002	0.006	0.004	0.003
Mar															
Apr	0.036	0.024	0.004	0.010	0.010	0.018	0.055	0.053	0.008	0.020	0.010	0.026	0.025	0.180	0.006
May	0.006	0.001	0.002	0.012	0.025	0.011	0.011	0.005	0.004	0.002	0.003	0.002	0.005	0.003	0.003
Jun	0.010	0.006	0.008	0.017	0.009	0.023	0.006	0.003	0.006	0.007	0.005	0.006	0.005	0.005	0.004
Jul	0.006	0.005	0.005	0.190	0.012	0.033	0.007	0.007	0.007	0.008	0.014	0.006	0.017	0.012	0.010
Aug	0.009	0.010	0.009	0.016	0.014	0.023	0.014	0.008	0.008	0.012	0.024	0.011	0.010	0.013	0.368
Sep	0.004	0.004	0.003	0.013	0.007	0.019	0.012	0.012	0.006	0.006	0.006	0.006	0.003	0.005	0.006
No of samples	18	18	18	18	18	18	18	18	17	18	18	18	18	18	18
Minimum	0.000	0.000	0.000	0.003	0.003	0.000	0.002	0.000	0.001	0.000	0.003	0.002	0.001	0.000	0.000
Average	0.016	0.006	0.005	0.025	0.010	0.016	0.011	0.010	0.011	0.007	0.008	0.009	0.007	0.016	0.025
Maximum	0.073	0.024	0.010	0.190	0.025	0.040	0.055	0.053	0.046	0.020	0.024	0.026	0.025	0.180	0.368

Location	Nikres Cnl	Tuy Rec	Trt	Pip	Kungrad In Cnl	In Gas	Trt Cnl	Tuy Gas	Chimbay Well	Trt	Det	Maymak Cnl	Trt	Pip
Mar-95	0.006	0.005	0.001	0.000	0.003	0.002	0.003	0.007			0.013	0.010	0.008	0.006
Apr	0.007	0.007	0.008	0.007	0.006	0.001	0.002	0.001	0.019	0.026	0.011	0.001		
May	0.038		0.011	0.005	0.005	0.025	0.007	0.010	0.027		0.004	0.013		0.056
Jun	0.024		0.011	0.022	0.079	0.015	0.003	0.008	0.001	0.009	0.001	0.017		
Jul	0.017	0.011	0.003	0.003	0.024	0.007	0.014	0.084	0.002	0.008	0.003	0.006	0.010	0.007
Aug	0.012	0.133		0.008	0.000		0.008	0.000	0.005		0.003	0.002	0.006	0.006
Sep	0.029	0.001	0.015	0.005	0.001	0.001	0.006	0.002	0.001	0.001	0.002	0.003	0.007	0.003
Oct	0.001	0.002	0.008	0.001	0.001	0.001	0.003	0.013	0.003		0.003	0.001	0.002	0.012
Nov	0.013	0.008	0.009	0.010	0.009	0.015	0.008	0.008		0.011	0.008	0.011	0.014	0.011
Dec	0.018	0.017	0.015	0.015	0.018	0.023	0.019	0.018	0.031		0.017	0.018	0.022	0.020
Jan-96	0.002	0.001	0.005	0.005	0.005	0.002	0.003	0.036			0.005	0.011	0.005	0.002
Feb	0.005	0.005	0.018	0.014	0.011	0.007	0.007	0.004			0.006	0.010	0.009	0.014
Mar														
Apr	0.012	0.009	0.011	0.007	0.009	0.009	0.004	0.003	0.007		0.010	0.006	0.009	0.005
May	0.013	0.004	0.005	0.006	0.001	0.000	0.000	0.000	0.013	0.001	0.001	0.001	0.011	0.013
Jun	0.011	0.007	0.006	0.005	0.028	0.005	0.010	0.012	0.006		0.008	0.011	0.009	0.022
Jul	0.019	0.013	0.009	0.006	0.007	0.010	0.060	0.008	0.006	0.013		0.011	0.009	0.174
Aug	0.011	0.005	0.004	0.005	0.005	0.013	0.007	0.004	0.023	0.007	0.013	0.010	0.007	0.004
Sep	0.008	0.007	0.013	0.006	0.008	0.006	0.006	0.012	0.005		0.006	0.008	0.009	0.006
No of samples	18	16	17	18	18	17	18	18	14	8	16	18	15	16
Minimum	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.002	0.002
Average	0.014	0.015	0.009	0.007	0.012	0.008	0.009	0.013	0.011	0.010	0.007	0.008	0.009	0.023
Maximum	0.038	0.133	0.018	0.022	0.079	0.025	0.060	0.084	0.031	0.026	0.017	0.018	0.023	0.174

Odor

Location	Amu Darva	Kap Res	Dri	Kip	Tub	Kyz	Tuy-Urg	Tuy-Nuk	Urgench	Well	Trt	Tuy-Rec	Pip	to Khv	Khiva
Mar-95	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Apr	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jan-96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No of samples	13	13	13	8	10	10	13	10	13	13	13	13	13	13	12
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0

Location	Nukus	Kungrad	Chumbay	Mubynak	Well	Trt	Dat	Trt	Pip
Mar-95	0	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0	0
Oct	0	0	0	0	0	0	0	0	0
Nov	0	0	0	0	0	0	0	0	0
Dec	0	0	0	0	0	0	0	0	0
Jan-96	0	0	0	0	0	0	0	0	0
Feb	0	0	0	0	0	0	0	0	0
Mar	0	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0	0
No of samples	10	4	10	10	10	4	10	10	9
Minimum	0	0	0	0	0	0	0	0	0
Average	0	0	0	0	0	0	0	0	0
Maximum	0	0	0	0	0	0	0	0	0

Taste

Location	Amu Darva				Tuy-Urg				Urgench				Khiva			
	Tuy Res	Kap Res	Dri	Kip	Tah	Kyz			Chl	Well	Trt	Tuy-Rec	Pip	to Khv	Pip	
Mar-95	1	1	1	1	1	1	2		1	1	1	1	1	1	1	
Apr	1	1	1	1	2		2		1	1	1	1	1	1	1	
May	1	1	1	1					1	1	1	1	1	1	1	
Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Nov	1	0	1	1	0	0	1	1	2	1	2	1	1	1	1	
Dec	1	1	1	1	1	0	1	1	2	1	2	1	1	2	2	
Jan-96	1	0	1	1	1	1	1	1	2	1	2	1	1	3	2	
Feb	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	
Mar																
Apr	0	0	0	0			0	0	0	1	0	0	0	0	0	
May																
Jun																
Jul																
Aug																
Sep																
No of samples	13	13	13	7	9	9	13	10	13	13	13	13	13	13	13	12
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average	1	0	1	0	1	0	1	0	1	1	1	1	1	1	1	1
Maximum	1	1	1	1	2	1	2	1	2	1	2	1	1	3	2	2

Location	Nukus				Kungurad				Chimbay				Muyrak			
	Chl	Tuy Rec	Trt	Pip	Int City	Int Gas	Trt City	Tuy Gas	Well	Trt	Dst	Chl	Trt	Pip		
Mar-95	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Apr	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
May																
Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Aug																
Sep																
Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dec	0	2	1	0	2	2	2	2	2	0	0	0	0	0	0	
Jan-96	1	1	1	1	2	2	2	2	2	1	1	3	3	3	3	
Feb	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Mar																
Apr																
May																
Jun																
Jul																
Aug																
Sep																
No of samples	9	3	9	9	9	9	8	9	4	3	8	9	8	8	8	
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Maximum	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3

Color

Location	Amu Darya Tuy Res	Kap Res	Dri	Kip	Tab	Kyz	Tuy-Urg	Tuy-Nuk	Uryengh Cnl	Well	Trt	Tuy-Rec	Pip	to Khv	Khiva Pip
Mar-95	50.0	0.0	50.0		0.0				0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	50.0	0.0	50.0		0.0				0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	50.0	0.0	50.0						0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sep	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	0.0	0.0	0.0	0.0	4.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov	0.0	0.0	0.0	0.0	9.4	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	19.0	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jan-96	0.0	0.0	0.0	19.0	3.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
Mar															
Apr	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May															
Jun															
Jul															
Aug															
Sep															
No of samples	13	13	13	7	9	9	9	10	12	12	12	12	12	12	11
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average	11.5	0.0	11.5	5.4	2.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Maximum	50.0	0.0	50.0	19.0	9.4	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Location	Nukus			Kungrad			Chimbay			Muvnak				
	Cnl	Tuy Rec	Trt	Pip	Int Clv	Int Gas	Trt Clv	Tyr Gas	Well	Trt	Dst	Cnl	Trt	Pip
Mar-95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0			0.0	0.0	0.0
May														
Jun	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0		
Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aug														
Sep														
Oct	4.3		4.5	4.5	4.7	4.9	4.7	4.9	4.4			4.3	4.7	4.5
Nov	9.0	3.8	3.8	3.5	3.5	3.7	3.3	3.3		3.4	3.6	9.0	4.1	4.0
Dec	6.6		2.0	3.5	3.7	3.7	3.3	3.3				3.0	15.0	3.3
Jan-96	3.2		2.0	2.0	3.7	3.7	3.7	3.5			2.0	17.0	15.0	3.3
Feb	0.0		0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0
Mar														
Apr														
May														
Jun														
Jul														
Aug														
Sep														
No of samples	9	3	9	9	9	9	8	9	4	3	8	9	8	8
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average	2.6	0.0	1.4	1.5	1.7	1.8	1.9	1.7	1.1	1.1	1.2	4.3	4.8	1.9
Maximum	9.0	0.0	4.5	4.5	4.7	4.9	4.7	4.9	4.4	3.4	4.3	17.0	15.0	4.5

Turbidity

Location	Amu Darva					Tuy-Urg					Urgench					Khiva				
	Tuy Res	Kap Res	Dn	Kip	Tah	Kyz	Tuy-Urg	Tuy-Nuk	Chil	Well	Trt	Tuy-Rec	Pip	to Kiv	Pip					
Mar-95	11.9	3.7	5.2	45.2	62.4	15.5	8.3	17.4	16.1	0.4	9.9	6.6	7.2	14.0	21.2					
Apr	11.9	3.7	5.2		30.0		8.3	17.4	3.2	0.1	2.7	6.6	1.4	2.5	2.4					
May	11.9	3.7	5.2				8.3	17.4	3.2	0.1	2.7	6.6	1.4	2.5	2.4					
Jun				206.0	5.0	210.0	1.3	3.7	8.5	0.1	4.3	4.5	2.6	3.5	4.6					
Jul				206.0	290.0	210.0	6.4	1.2	13.7	0.0	2.4	1.7	2.1	4.8	6.6					
Aug	2.9	0.3	0.6	3.0	220.0	220.0	0.7	1.5	1.7	0.1	0.1	2.9	2.7	3.0	2.0					
Sep	1.3	1.9	1.7		35.0	48.0	1.4	1.3	13.0	0.4	1.6	2.6	1.7	1.7	1.7					
Oct	0.7	0.2	0.9		19.0	1.6	1.7	0.7	1.3	0.0	1.5	1.6	1.0	1.8	0.6					
Nov	0.8	0.2	0.4				0.9	0.7	0.4	0.1	1.1	0.8	0.7	1.0						
Dec	0.0	3.3	0.0			1.2	0.0	0.0	0.4	0.0	0.5	1.3	0.0	0.5	0.0					
Jan-96	0.2	0.0	0.1	60.0	10.0	25.0	0.3	0.2	0.4	0.2	0.3	0.3	0.5	0.4	0.3					
Feb	0.8	0.4	0.4	19.0	3.7	3.3	0.5	0.7	3.0	0.6	1.6	0.5	1.3	0.8	0.8					
Mar																				
Apr	1.2	0.1	0.4						2.9	0.0	1.3	2.7	1.7	1.6	1.8					
May																				
Jun																				
Jul																				
Aug																				
Sep																				
No of samples	11	11	11	6	9	9	12	12	13	13	13	13	13	13	12					
Minimum	0.0	0.0	0.0	3.0	3.7	1.2	0.0	0.0	0.4	0.0	0.3	0.3	0.0	0.4	0.0					
Average	3.9	1.6	1.8	89.9	78.3	81.6	3.2	5.2	5.2	0.2	2.5	3.0	1.9	2.9	3.7					
Maximum	11.9	3.7	5.2	206.0	290.0	220.0	8.3	17.4	16.1	0.6	9.9	6.6	7.2	14.0	21.2					

Location	Nukus				Kungrad				Chimbav				Muyrak			
	Col	Tov Rec	Trt	Pip	Int City	Int Gas	Trt City	Tvt Gas	Well	Trt	Dst	Chl	Trt	Pip		
Mar-95	22.2	11.2	6.8	4.9	5.0	6.1	7.8	1.6			7.5	30.0	6.0	6.6		
Apr	22.0	1.4	1.5	1.3	2.8	2.4		1.6	1.0		1.4	20.0	6.4	1.8		
May																
Jun	200.0		1.9	2.0	1.5	1.1	1.0	1.0	0.9		1.7	7.5				
Jul	200.0	2.0	1.9	1.5	22.0	0.9	2.0	0.9	0.9	1.0	0.9	7.5	0.9			
Aug																
Sep																
Oct	40.0		1.5	1.5	1.0	1.3	1.2	1.2	1.0 not water		1.4	20.0	1.2	1.3		
Nov	50.0		1.4	1.4	1.3	1.6	1.2			1.3	1.6	15.0	10.0	1.0		
Dec	28.0			1.0								30.0				
Jan-96	10.0		1.0	1.0	1.5	1.3	1.5	1.2			1.2	10.0	1.8	1.1		
Feb	3.2		2.0	2.0	1.5	1.3	1.2	1.2			2.0	10.0	1.8	1.1		
Mar																
Apr																
May																
Jun																
Jul																
Aug																
Sep																
No of samples	9	3	8	9	8	8	7	7	4	2	8	9	7	6		
Minimum	3.2	1.4	1.0	1.0	1.0	0.9	1.0	0.9	0.9	1.0	0.9	7.5	0.9	1.0		
Average	63.9	4.9	2.3	1.8	4.6	2.0	2.3	1.2	1.0	1.2	2.2	16.7	4.0	2.2		
Maximum	200.0	11.2	6.8	4.9	22.0	6.1	7.8	1.6	1.0	1.3	7.5	30.0	10.0	6.6		

Residual C12

unit: mg / l

Location	Amu Darva				Tuy-Urg				Urgench		Tuy-Rec				to Khv		Khiva
	Tuy Res	Kap Res	Dij	Kip	Tah	Kyz	Tuy-Urg	Tuy-Nuk	Cnl	Well	Tr	Tuy-Rec	Pip	to Khv	Pip	to Khv	
Mar-95																	
Apr																	
May				0.00	0.00	0.00											
Jun							0.07			0.09	0.17	0.37	0.09	0.07	0.07	0.09	
Jul							0.09					2.19	0.89	0.07	0.11		
Aug			0.15								0.28		0.15	0.24	0.20		
Sep											0.41	0.43	1.02	0.12	0.28		
Oct			0.11								0.11	0.54	0.11	0.11	0.09		
Nov											0.20	0.12	0.65	0.11			
Dec						1.23					0.30	0.93	0.41	0.11	0.13		
Jan-96											0.30	0.96	0.35	0.11			
Feb											0.30	0.63	0.28	0.13	0.17		
Mar											0.41	2.17	0.65	0.13	0.22		
Apr																	
May																	
Jun																	
Jul																	
Aug																	
Sep																	
No of samples	0	0	2	1	1	2	2	0	0	1	11	9	11	11	9		
Minimum			0.11	0.00	0.00	0.00	0.07			0.09	0.09	0.12	0.09	0.07	0.09		
Average			0.13	0.00	0.00	0.62	0.08			0.09	0.30	0.93	0.44	0.13	0.16		
Maximum			0.15	0.00	0.00	1.23	0.09			0.09	0.65	2.19	1.02	0.24	0.28		

Location	Nukus				Kumgrad				Chimbay				Mumak			
	Cnl	Tuy Rec	Tr	Pip	Int City	Int Gas	Tr City	Tuy Gas	Well	Tr	Dst	Cnl	Tr	Pip	Tr	Pip
Mar-95		1.01	0.69	0.38	2.80											
Apr		1.34	1.20	0.34							0.25			2.01		
May	0.00		1.53	0.52	0.00	1.55	0.27	1.55	0.00		0.17	0.00		2.50		
Jun			0.36	0.51		4.40	0.25				0.12					
Jul		0.25	0.36	0.14				0.84		0.75		1.77				
Aug																
Sep			0.58			1.14		0.52		0.23				3.00		
Oct			0.66	0.32			0.23	0.90			0.38			0.71		
Nov			0.51	0.34			0.21	0.88			0.36					
Dec			0.14	0.71	0.39		0.14	0.39			0.06			2.21		
Jan-96			0.14	0.30				0.39			0.06			2.21		
Feb			0.14	0.30			0.14	0.39			0.06			2.21		
Mar																
Apr																
May																
Jun																
Jul																
Aug																
Sep	1	3	11	10	3	3	6	8	1	2	8	2	1	7		
No of samples																
Minimum	0.00	0.25	0.14	0.14	0.00	1.14	0.14	0.39	0.00	0.23	0.06	0.00	1.55	0.71		
Average	0.00	0.87	0.57	0.39	1.06	2.36	0.21	0.73	0.00	0.49	0.18	0.89	1.55	2.12		
Maximum	0.00	1.34	1.53	0.71	2.80	4.40	0.27	1.55	0.00	0.75	0.38	1.77	1.55	3.00		

Location	Amu Darva Tuy Res	Kop Res	Dij	Kip	Tah	Kyz	Tuy-Urg	Tuy-Nuk	Urgench Cnl	Well	Trt	Tuy-Rec	Pip	to Khv	Khiva Pip
Mar-95														40.0	
Apr	60.0														
May	65.0	62.0	49.0	20.4	24.5	30.6	48.9	45.7	65.0	48.0	20.7	65.0	32.6	48.9	16.2
Jun															
Jul	32.6	49.0	32.6	32.6	20.4	20.4	45.7	39.2	29.4	32.6	16.3	20.4	26.1	32.6	13.1
Aug															
Sep															
Oct															
Nov															
Dec															
Jan-96															
Feb															
Mar															
Apr															
May															
Jun															
Jul															
Aug															
Sep															
No of samples	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	32.6	49.0	32.6	20.4	20.4	20.4	45.7	39.2	29.4	32.6	16.3	20.4	26.1	32.6	13.1
Average	52.5	55.5	40.8	26.5	22.5	25.5	47.3	42.5	47.2	40.3	18.5	42.7	29.4	40.5	14.7
Maximum	65.0	62.0	49.0	32.6	24.5	30.6	48.9	45.7	65.0	48.0	20.7	65.0	32.6	48.9	16.2

Location	Nukus Cnl	Tuy Rec	Trt	Pip	Kingrad Int City	Int Gas	Trt City	Tuy Gas	Chimbav Well	Trt	Dst	Movnak Cnl	Trt	Pip
Mar-95														
Apr														
May	26.5		34.6	61.2	26.5	51.0	24.5	28.6	65.2		51.0	26.5		67.3
Jun														
Jul	49.0	52.2	28.6	32.6	45.4	16.3	22.2	52.2	49.0	45.7	49.0	16.3	49.0	29.4
Aug														
Sep														
Oct														
Nov														
Dec														
Jan-96														
Feb														
Mar														
Apr														
May														
Jun														
Jul														
Aug														
Sep														
No of samples	2	1	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	26.5	52.2	28.6	32.6	26.5	16.3	22.2	28.6	49.0	45.7	49.0	16.3	49.0	29.4
Average	37.8	52.2	31.6	46.9	36.0	33.7	23.4	40.4	57.1	45.7	50.0	21.4	49.0	48.4
Maximum	49.0	52.2	34.6	61.2	45.4	51.0	24.5	52.2	65.2	45.7	51.0	26.5	49.0	67.3

Oil

unit: mg/l

Location	Amu Darya				Tuy-Urg				Uygench				Tuy-Nuk				Tuy-Rec				Khiva			
	Tuy Res	Kap Res	Drj	Kip	Tah	Ksz			Cnl	Well	Ttr Cnl										Pip	to Khv	Pip	
Mar-95	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apr	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jul	0.00	0.00	0.00	0.00	0.00	0.80			0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oct	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nov	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dec	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan-96	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar																								
Apr	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May																								
Jun																								
Jul																								
Aug																								
Sep																								
No of samples	13	13	13	13	13	13			13	13	13		13	13	13	13	13	13	13	13	13	13	13	13
Minimum	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.00	0.00	0.00	0.00	0.00	0.06			0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum	0.00	0.00	0.00	0.00	0.00	0.80			0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Location	Nukus				Kungrad				Chimbay				Maynak			
	Cnl	Tuy Rec	Ttr	Pip	Int City	Int Gas	Ttr City	Ttr Gas	Well	Ttr	Dst	Cnl	Ttr	Pip		
Mar-95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
Apr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
May					0.00	0.01	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
Jun	0.00		0.00	0.00	0.00	0.00	0.00	0.18	0.20		0.00	0.19				
Jul	0.00	0.00	0.00	0.00	0.08	0.18	0.00	0.00	0.16	0.34	0.16	0.04	0.14	0.00		
Aug	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Sep	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Oct	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Nov	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Dec	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Jan-96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Feb	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Mar																
Apr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00		
May																
Jun																
Jul																
Aug																
Sep																
No of samples	12	11	12	12	13	13	13	13	10	6	12	13	9	12		
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Average	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.04	0.06	0.01	0.02	0.02	0.00		
Maximum	0.00	0.00	0.00	0.00	0.08	0.18	0.00	0.18	0.20	0.34	0.16	0.19	0.14	0.00		

Phenol

unit: mg/l

Location	Amu Darva Tuy Res	Kap Res	Dri	Kip	Tah	Kyz	Tuy-Urg	Tuy-Nuk	Urgench Cnl	Well	Trt	Tuy-Rec	Pip	to Khv	Khiva Pip
Mar-95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jan-96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May															
Jun															
Jul															
Aug															
Sep															
No. of samples	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Location	Nukus Cnl	Tuy-Rec	Trt	Pip	Kungrad Int City	Int Gas	Trt City	Tuy Gas	Chimbay Well	Trt	Dst	Movnak Cnl	Trt	Pip
Mar-95	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May														
Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dec	0	0	0	0.0005	0	0	0	0	0	0	0	0	0	0
Jan-96	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar														
Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May														
Jun														
Jul														
Aug														
Sep														
No. of samples	12	11	12	12	13	13	13	13	10	6	12	13	9	12
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Surfactant

unit: mg/l

Location	Amu Darya Tuy Res	Kap Res	Dn	Kip	Tah	Kyz	Tuy-Urg	Tuy-Nuk	Uyench Cnl	Well	Trt	Tuy-Rec	Pip	to Khv	Khiva Pip
Mar-95															
Apr															
May	0.000	0.000	0.014	0.000	0.000	0.000	0.000	0.000	0.062	0.011	0.000	0.000	0.000	0.000	0.000
Jun	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jul	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aug	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sep	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Oct	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nov	0.000	0.001	0.001	0.000	0.000	0.000	0.004	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Des	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jan-96	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Feb	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mar															
Apr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
May															
Jun															
Jul															
Aug															
Sep															
No of samples	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
Minimum	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.001	0.000	0.000	0.000	0.001	0.001	0.006	0.001	0.000	0.000	0.000	0.001	0.000
Maximum	0.000	0.001	0.014	0.000	0.000	0.000	0.006	0.008	0.062	0.011	0.004	0.000	0.000	0.007	0.000

Location	Nukus Cnl	Tuy Rec	Trt	Pip	Kingrad Int City	Int Gas	Trt City	Tyt Gas	Chimbav Well	Trt	Det	Minyak Cnl	Trt	Pip
Mar-95														
Apr														
May	0.000		0.000	0.000	0.000	0.000	0.045	0.000	0.000		0.000	0.000		0.000
Jun	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000		0.000
Jul	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000		0.000
Aug	0.000		0.000	0.000	0.000	0.000	0.006	0.013	0.000		0.000	0.000		0.000
Sep	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000		0.000
Oct	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000		0.000
Nov	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000		0.000
Des	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000		0.000
Jan-96	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000		0.000
Feb	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000		0.000
Mar														
Apr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			0.000	0.000	0.000
May														
Jun														
Jul														
Aug														
Sep														
No of samples	11	8	11	11	10	10	11	11	9	6	8	11	8	9
Minimum	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.001	0.001	0.005	0.002	0.000	0.001	0.000	0.004	0.003	0.000
Maximum	0.000	0.003	0.000	0.000	0.007	0.007	0.045	0.013	0.000	0.006	0.000	0.030	0.011	0.000

unit: ppb

Ni

Location	Amu Darva					Tuy-Urg					Urgench					Khiva				
	Tuy Res	Kap Res	Dij	Kip	Tah	Kyz	Tuy-Urg	Tuy-Nuk	Urgench	Well	Trt	Tuy-Res	Pip	to Kow	Pip					
Mar-95	3.15	0.88	1.11	1.79	2.44	16.89	4.05	0.04		1.44	1.96	1.61	1.39	0.98	1.81					
Apr	0.52	1.23	2.09	0.20	2.53	0.24	1.12	2.99	0.78	1.18	3.50	0.64	0.95	0.82	0.73					
May	53.00	5.80	3.30	49.00	25.00	330.00	8.40	20.00	29.00	40.00	5.50	6.00	8.50	7.00	5.64					
Jun	10.61	3.87	1.07	4.03	3.71	3.75	1.44	4.54	5.63	0.89	5.11	0.86	1.88	6.87	5.95					
Jul	29.36	40.42	32.88	30.63	29.50	91.99	21.72	23.15	83.80	29.26	41.53	28.09	27.98	23.53	31.01					
Aug	1.89	11.80	2.03	1.59	2.70	15.33	2.09	2.16	3.49	2.94	2.39	2.34	3.25	1.82	1.71					
Sep	14.36	3.78	2.69	2.74	3.06	4.85	1.78	1.78	4.80	2.28	3.51	1.40	1.45	1.15	1.49					
Oct	0.65	0.84	2.06	2.35	1.93	1.66	1.69	1.69	2.10	1.63	2.01	1.58	1.82	2.10	1.85					
Nov	2.17	2.58	2.20	3.49	3.42	3.64	3.21	2.74	3.15	2.45	2.94	2.92	2.40	3.00	2.99					
Dec	2.43	4.07	3.24	1.90	2.69	0.31	1.36	0.00	3.27	2.74	0.67	1.60	2.12	2.84	0.90					
Jan-96																				
Feb	4.49	0.67	0.33	2.86	3.31	4.99	4.66	3.95	0.89	2.99	3.32	1.94	0.58	5.15	309.00					
Mar																				
Apr	3.26	0.57	3.61	0.00	2.09	0.82	4.38	0.00	2.41	1.35	7.32	6.84	12.52	5.67	3.25					
May	2.16	4.82	1.99	0.17	0.50	0.68	0.39	0.89	2.67	0.00	1.38	2.08	2.59	0.43	2.22					
Jun																				
Jul	16.52	4.36	2.85	62.59	6.74	17.76	3.94	1.89	1.62	1.50	2.79	3.51	2.79	1.11	2.08					
Aug	2.22	1.23	1.53	7.84	4.61	8.64	2.37	3.89	12.55	2.83	4.81	3.22	4.60	3.66	1.05					
Sep	5.47	7.77	2.34	5.47	12.12	4.21	4.90	3.37	9.04	9.39	3.45	2.03	6.18	9.41	3.59					
No of samples	16	16	16	16	16	16	16	16	15	16	16	16	16	16	16					
Minimum	0.52	0.57	0.33	0.00	0.50	0.24	0.39	0.00	0.78	0.00	0.67	0.64	0.58	0.43	0.73					
Average	9.52	5.92	4.08	11.04	6.65	31.61	4.22	4.57	11.01	6.43	5.76	4.17	5.06	4.72	23.42					
Maximum	53.00	40.42	32.88	62.59	29.50	330.00	21.72	23.15	83.80	40.00	41.53	28.09	27.98	23.53	309.00					

Location	Nakus		Tuy Rec		Trt	Kungrad		Tuy Gas		Chimbay		Muyrak		
	Chl	Pip	Int City	Int Gas		Trt City	Tyr Gas	Well	Trt	Dst	Chl	Trt	Pip	
Mar-95	1.51	6.23	1.45	0.99	0.99	1.34	1.30	1.33			1.20	1.35	1.09	1.07
Apr	1.16	0.35	6.04	0.64	2.68	0.00	0.96	2.60	0.37	0.45	0.92	1.86		
May	170.00		8.30	25.00	27.00	25.00	270.00	32.00	11.00		7.10	33.00		32.00
Jun	6.31		1.01	1.10	1.35	0.77	1.09	0.81	1.16	1.25	1.09	0.67		
Jul	73.47	51.31	40.45	52.36	34.28	41.55	45.05	47.98	36.97	33.13	38.64	36.05	39.80	38.18
Aug	3.40	2.75		1.97	3.56		2.96	1.40	3.01		1.99	2.78	2.78	1.95
Sep	1.27	0.47	3.23	0.38	1.53	0.49	1.56	0.86	0.32	0.83	0.57	1.49	1.30	1.66
Oct	1.75	1.91	1.38	1.77	1.53	1.52	1.18	1.98	1.22		1.49	1.47	1.70	2.22
Nov	2.13	2.15	2.33	1.83	2.13	2.05	2.06	1.80		2.55	2.26	2.24	1.77	2.03
Dec	0.87	0.04	2.31	2.25	1.46	3.35	2.10	0.03	0.41		0.94	2.20	0.94	1.06
Jan-96														
Feb	2.32	2.93	3.22	2.26	1.52	5.34	1.40	2.40			1.07	2.16	1.72	2.38
Mar														
Apr	1.45	1.38	1.27	1.41	0.00	0.75	0.00	2.82	0.33		1.49	0.00	0.00	0.59
May	0.64	1.50	1.14	3.01	1.40	1.41	0.93	0.13	3.83	2.74		6.69	3.45	5.17
Jun														
Jul	12.31	3.17	5.55	2.56	2.61	4.34	1.77	2.74	0.98	3.06		0.73	2.53	6.27
Aug	9.29	3.22	3.91	3.21	3.33	1.65	2.26	1.07	10.84	3.97	6.82	8.51	3.42	2.66
Sep	6.07	2.40	2.23	2.06	13.54	2.17	7.78	10.98	2.63		2.26	8.99	5.08	4.50
No of samples	16	14	15	16	16	15	16	16	13	8	14	16	13	14
Minimum	0.64	0.04	1.01	0.38	0.00	0.00	0.00	0.03	0.32	0.45	0.57	0.00	0.00	0.59
Average	18.37	5.70	5.59	6.42	6.18	6.11	21.40	6.93	5.62	6.00	4.84	6.89	5.04	7.27
Maximum	170.00	51.31	40.45	52.36	34.28	41.55	270.00	47.98	36.97	33.13	38.64	36.05	39.80	38.18

Ca

unit: mg/l

Location	Amu Darva	Kyzyl				Tuy-Urg				Urgench				Khuva			
	Tuy Res	Kap Res	Drj	Kip	Tab	Ksz											
Mar-95																	
Apr																	
May	80	88	84	80	76	84											
Jun																	
Jul	57	60	76	68	68	64											
Aug	62	74	90	74	76	70											
Sep	90	74	66	150	124	130											
Oct	90	76	90	114	110	112											
Nov	96	78		104	102	102											
Dec	102	92	100	144	126	128											
Jan-96	102	88	100	112	110	110											
Feb	100	80	96	110	98	122											
Mar																	
Apr	100	96	92	148	148	166											
May																	
Jun																	
Jul																	
Aug																	
Sep																	
No of samples	10	10	10	11	11	11											
Minimum	57.1	60.1	66.1	66.1	66.1	62.1											
Average	88.1	80.8	89.2	106.6	100.6	104.8											
Maximum	102.2	96.2	100.2	150.3	148.3	166.3											

Location	Nurus	Kungrad				Chimbav				Moyrak			
	Can	Tuy Rec	Tr	Pip	Int City	Int Gas	Tr City	Tyt Gas	Well	Tr	Det	Can	Pip
Mar-95													
Apr													
May	80		80	82	112	144	124	136	88		76	144	132
Jun	68		62	62	84	108	100	108	88		60	86	
Jul	72		64	68	84	84	84	88	100		68	88	72
Aug	64		76	78	68	68	84	80	88		78	74	58
Sep	136	126	124	128	127	108	106	132	120		140	144	120
Oct	118	104	110	104	100	114	112	104	100		106	136	110
Nov	102	98	104	98	100	98	94	100			94	100	114
Dec	120	118	116	112	130	118	138	122			100	122	138
Jan-96	112	108	110	112	122	132	126	126			106	178	146
Feb	112	108	106	110	120	110	112	118			110	140	166
Apr	160	146	96	144	108	108	106	120	80		125	124	100
May													
Jun													
Jul													
Aug													
Sep													
No of samples	11	8	11	11	11	10	11	11	7		5	9	9
Minimum	64	60	60	62	68	84	84	80	80		68	60	74
Average	104	109	95	100	105	113	108	112	95		97	96	123
Maximum	160	146	124	144	130	144	138	136	120		140	125	178

Location	Amu Darya				Tuy-Urg				Urgench				Khiva			
	Tuy Res	Xap Res	Dn	Kip	Tah	Koz			Tuy-Nuk	Well	Trt	Tuy-Rec	Pip	to Khv	Pip	
Mar-95																
Apr																
May	49	66	52	54	60	56			49	56	85	60	52	54	61	55
Jun				29	27	27			28	27	34	14	28	28	32	33
Jul	22	24	15	19	22	24			12	17	51	22	24	17	22	46
Aug	21	26	43	33	38	38			44	23	39	32	23	24	34	32
Sep	35	21	23	16	28	26			39	32	44	36	39	36	54	44
Oct	16	46	18	52	55	55			19	43	45	40	38	36	43	40
Nov	41	30	39	49	49	49			31	64	49	63	41	41	64	63
Dec	39	39	41	26	61	58			41	35	63	49	64	43	66	63
Jan-96	43	36	44	45	51	50			39	79	50	81	39	45	90	79
Feb	43	29	43	52	45	43			43	41	36	28	43	43	41	43
Mar																
Apr	33	35	38	15	12	16			34	39	45	36	38	38	43	39
May																
Jun																
Jul																
Aug																
Sep																
No of samples	10	10	10	11	11	11			11	11	11	11	11	11	11	11
Minimum	16	21	15	15	12	16			12	17	34	14	23	17	22	32
Average	34	35	36	35	41	40			37	32	48	43	37	37	50	49
Maximum	49	66	52	54	61	58			49	79	85	81	52	54	90	79

Location	Nizhny				Kungurad				Chimbay				Maynak			
	Cnl	Tuy Rec	Trt	Pip	Int City	Int Gas	Trt City	Tuy Gas	Well	Trt	Dst	Cnl	Trt	Pip		
Mar-95																
Apr																
May	58		54	27	92	97	96	109	70		55	106				108
Jun	28		22	17	49	58	52	55	33		27	47				
Jul	17		22	15	34	32	32	32	36		17	39		58	44	
Aug	51		36	32	40	40	46	38	51		28	38		45	46	
Sep	22	21	11	10	15	29	40	15	27		4	10		23	17	
Oct	41	44	50	46	46	44	54	45	36 hot water		47	41		47	36	
Nov	49	57	49	56	47	56	46	56			39	49		61	60	62
Dec	63	52	56	57	63	62	55	57			49	52		77	64	72
Jan-96	47	40	43	40	60	63	67	63			38	81		100	94	
Feb	49	49	49	50	55	50	55	60			50	67		72	84	
Mar																
Apr	6	5	32	13	51	41	44	61	32		34	61		51	46	
May																
Jun																
Jul																
Aug																
Sep																
No of samples	11	8	11	11	11	10	11	11	7		5	9		11	9	10
Minimum	6	5	11	10	15	29	32	15	27		4	17		10	23	17
Average	39	36	39	37	50	53	53	54	41		27	41		57	58	61
Maximum	63	57	66	58	92	97	96	109	70		49	55		106	100	108

Location	Amu Darva Tuy Res.	Kap Res.	Dri	Kip	Tah	Kvz	Tuy-Urg	Tuy-Nuk	Uygench Cnl	Well	Tr	Tuy-Ree	Pip	to Khv	Kaiwa Pip
Mar-95	183	159	171	195	146	188	195	208	188	242	183	171	173	178	183
Apr	181	156	164	176	159	183	168	178	186	234	127	171	176	178	149
May	151	171	195	183	181	166	176	171	176	195	273	125	210	215	181
Jun				140	116	122	122	122	140	183	134	122	134	134	140
Jul	142	146	151	151	171	166	156	142	101	264	171	127	146	151	146
Aug	116	116	140	171	195	171	110	110	153	238	134	110	112	140	134
Sep	134	116	110	159	171	195	140	140	146	238	140	122	140	140	144
Oct	146	122	146	220	207	195	140	140	146	226	177	146	146	177	165
Nov	146	116	146	183	171	171	146	146	214	201	214	146	146	207	201
Dec	153	140	153	183	171	171	159	159	201	153	201	201	201	183	201
Jan-96	159	134	153	159	171	159	159	153	238	214	238	153	159	226	238
Feb	153	128	146	98	122	146	146	146	146	146	146	146	146	146	146
Mar															
Apr	134	134	134	122	137	150	140	134	153	183	146	134	134	153	153
May															
Jun															
Jul															
Aug															
Sep															
No of samples	12	12	12	13	13	13	13	13	13	13	13	13	13	13	13
Minimum	116	116	110	98	116	122	110	110	101	146	127	110	112	134	134
Average	150	137	151	165	163	168	151	150	170	209	176	144	156	171	168
Maximum	183	171	195	220	207	195	195	208	238	264	273	201	210	226	238

Location	Nikus Cnl	Tuy Res.	Tr	Pip	Kungrad Int City	Int Gas	Tr City	Tr Gas	Chimbay Well	Tr	Dst	Moynak Cnl	Tr	Pip
Mar-95	173	165	177	164	188	176	164	171			181	161	154	146
Apr	165	140	159	128	146	153	161	159	134	134	124	124	124	146
May	171	171	176	171	166	234	195	190	209		166	215		210
Jun	134	122	122	110	134	140	134	140	152		128	152		
Jul	161	181	161	151	156	156	156	171	181	171	151	176	151	166
Aug	171	183	183	195	171	171	195	171	207	183		195	207	159
Sep	183	171	159	146	171	195	183	207	207	134		171	159	146
Oct	220	183	207	207	171	207	183	183	183	not water	208	171	183	220
Nov	171	171	183	171	146	146	146	159	159	171	183	159	159	159
Dec	171	171	171	171	171	171	183	159	171	159	171	171	159	171
Jan-96	159	134	146	146	159	183	171	171	171	159	159	183	195	207
Feb	171	122	146	171	171	171	146	195		171	171	146	195	195
Mar														
Apr	140	131	140	153	104	137	134	168	134		146	134	98	140
May														
Jun														
Jul														
Aug														
Sep														
No of samples	13	10	13	13	13	11	13	13	8	5	11	13	11	12
Minimum	134	122	122	110	104	137	134	140	134	134	128	124	98	140
Average	168	157	164	159	158	175	166	173	176	164	161	166	162	172
Maximum	220	183	207	195	188	234	195	207	209	183	208	215	207	220

Location	Amu Darya				Tuy-Urg				Urgench				Khiva			
	Tuy Res	Kap Res	Dry	Kip	Tah	Kyz			Tuy-Nuk	Well	Tr	Tuy-Rec	Pip	to Khv	Pip	
Mar-95																
Apr																
May																
Jun																
Jul	71	70	73	117	105	101	177	151	160	204	154	136	155	132	188	
Aug	101	104	123	145	135	136	141	112	122	185	44	104	80	113	110	
Sep	127	155	99	112	118	101	119	122	152	142	116	122	124	120	106	
Oct	212	166	91	177	164	165	231	194	185	185	175	143	178	188	188	
Nov	136	99	140	156	145	158	136	130	181	128	183	122	122	171	168	
Dec	141	96	148	146	146	162	138	142	190	137	191	126	135	205	169	
Jan-96	146	142	158	174	160	172	171	170	348	142	334	255	157	267	363	
Feb	201	173	185	170	142	187	177	196	196	212	201	142	189	186	177	
Mar																
Apr	169	167	168	237	239	275	165	150	166	213	186	155	180	180	242	
May																
Jun																
Jul																
Aug																
Sep																
No of samples	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	
Minimum	71	70	73	101	105	99	72	94	101	128	44	104	80	113	106	
Average	145	133	133	154	147	156	153	146	180	170	172	142	144	171	187	
Maximum	212	196	185	237	239	275	231	196	348	213	334	255	189	267	363	

Location	Nizhny				Kungurad				Chimboy				Maynak			
	Can	Tuy Rec	Tr	Pip	Int City	Int Gas	Tr City	Tuy Gas	Well	Tr	Det	Can	Tr	Det	Pip	
Mar-95																
Apr																
May																
Jun	113		105	47	141	168	135	171	75		99	160				
Jul	120	106	92	104	170	139	161	163	163	105	85	184	160	151		
Aug	119		117	124	122		178	162	156	133		158	144	132		
Sep	146	111	113	106	139	134	107	146	145	127		145	133	115		
Oct	197	116	117	123	136	175	210	151	105		141	170	144	134		
Nov	158	140	121	129	124	173	145	155		110	128	167	184	168		
Dec	152	128	180	134	132	161	155	161		127	141	171	156	173		
Jan-96	160	130	160	133	190	210	197	189			139	250	254	285		
Feb	182	148	164	171	182	236	172	206			172	242	239	250		
Mar																
Apr	243	184	194	221	254	257	239	329	146		263	318	185	282		
May																
Jun																
Jul																
Aug																
Sep																
No of samples	10	8	10	10	10	9	10	10	6	5	8	10	9	9		
Minimum	113	106	92	47	122	134	107	146	75	105	85	145	133	115		
Average	159	133	136	129	139	184	170	183	132	120	146	197	178	190		
Maximum	243	184	194	221	254	257	239	329	163	133	263	318	254	285		

KMnO4

unit : mg / l

Location	Amu Darya				Tuy-Urg				Tuy-Nuk				Urgench				Tuy-Rec				to Khv				Khiva	
	Tuy Res	Kap Res	Dri	Kip	Tah	Kyz						Cnl	Well	Trt			Pip				Pip	Pip				
Mar-95																										
Apr																										
May																										
Jun																										
Jul																										
Aug	1.12	0.95	0.96					1.60	1.44			1.12	0.80	1.60	1.42	1.92	1.60	1.60	1.60	1.60	1.60	1.60				
Sep	1.12	1.78	1.92	1.20	1.40	2.50		1.12	0.96			2.08	0.64	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	0.96				
Oct	0.96	1.12	0.96	5.60	4.00	6.00		0.96	0.96				0.80	1.12	0.96	0.96	0.96	1.12	1.12	1.12	1.12	1.12				
Nov	0.96	0.96	1.12	6.00	3.60	6.00		1.12	0.96			0.96	0.80	0.96	0.80	1.12	1.12	1.12	1.12	1.12	1.12	1.12				
Dec	0.80	0.64	0.80	7.20	7.20	8.50		0.80	0.64			0.64	0.80	0.80	0.80	0.80	0.80	0.96	0.96	0.96	0.96	0.80				
Jan-96	2.88	2.40	2.08	6.12	6.12	8.41		2.24	2.40			2.08	2.56	1.92	1.92	2.40	2.40	2.56	2.56	2.08	2.08	1.28				
Feb	1.44	1.76	1.28	5.12	5.98	5.35		1.44	1.60			1.44	1.12	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.28				
Mar																										
Apr	1.28	1.12	1.28	9.60	9.60	8.80		1.12	1.12			1.60	0.80	1.26	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.44				
May																										
Jun																										
Jul																										
Aug																										
Sep																										
No of samples																										
Minimum																										
Average																										
Maximum																										

Location	Nakus				Kungrad				Chimbay				Maynak			
	Cnl	Tuy Rec	Trt	Pip	Int City	Int Gas	Trt City	Trt Gas	Well	Trt	Dst	Cnl	Trt	Pip		
Mar-95																
Apr																
May																
Jun																
Jul																
Aug																
Sep	2.20	1.40		1.20	1.40	1.70	3.20	1.90	2.50	2.70		1.40	1.40	2.50		
Oct	7.20	3.20	4.40	7.20	7.20	7.60	8.00	4.40	4.40	not water	4.00	7.80	7.80	7.20		
Nov	7.60	4.00	4.80	6.80	11.60		9.60	4.80	5.20	5.20	4.80	9.20	8.40	5.60		
Dec	7.20	10.80	7.20	10.80	10.80	8.50	8.50	9.60	10.80	10.80	10.80	11.50	11.20	10.80		
Jan-96	6.49	5.35	5.35	5.35	7.26	6.88	6.49	6.88			5.73	8.41	8.79	6.88		
Feb	6.26	4.95	4.92	4.05	6.79	6.22	6.26	6.22			5.49	7.86	7.20	6.40		
Mar																
Apr	7.60	7.20	8.00	8.40	8.40	8.00	7.20	9.60	6.40		8.80	9.20	8.40	6.40		
May																
Jun																
Jul																
Aug																
Sep																
No of samples	7	7	6	7	7	6	7	7	3	3	6	7	7	7		
Minimum	2.20	1.40	4.40	1.20	1.40	1.70	3.20	1.90	2.50	2.70	4.00	7.80	7.80	7.20		
Average	6.36	5.27	5.78	6.26	7.64	6.48	7.04	6.20	4.43	6.23	6.60	7.91	7.60	6.54		
Maximum	7.60	10.80	8.00	10.80	11.60	8.50	9.60	9.60	6.40	10.80	10.80	11.50	11.20	10.80		

Location	Amu Darya Tuv Res	Kap Res	Dn	Kip	Tah	Kvz	Tuy Urg	Tuy-Nut	Unyench - Cnl	Well	Trt	Tuy-Rec	Pip	to Khv	Khiva Pip
Mar-95	0.00	0.01	0.17	0.02	0.02	0.02	0.00	0.00		0.00	0.05	0.00	0.00	0.01	0.00
Apr	0.06	0.00	0.03	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.01	0.01	0.00	0.00	0.00
May	0.50	0.10	0.10	0.30	0.00	0.40	0.10	0.10	0.40	0.00	0.10	0.10	0.00	0.00	0.37
Jun	0.32	0.04	0.10	0.14	0.04	0.13	0.02	0.03	0.22	0.01	0.05	0.06	0.05	0.05	0.04
Jul	0.16	0.10	0.15	0.06	0.02	0.09	0.09	0.08	0.13	0.11	0.17	0.12	0.11	0.13	0.13
Aug	0.02	0.02	0.00	0.00	0.02	0.12	0.01	0.02	0.03	0.08	0.03	0.02	0.01	0.01	0.04
Sep	0.01	0.02	0.00	0.00	0.00	0.00	0.13	0.15	0.02	0.02	0.01	0.02	0.05	0.04	0.05
Oct	0.03	0.00	0.01	0.01	0.01	0.00	0.02	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.01
Nov	0.01	0.02	0.03	0.06	0.02	0.04	0.01	0.04	0.04	0.08	0.03	0.03	0.15	0.06	0.01
Dec	0.03	0.02	0.06	0.04	0.03	0.04	0.04	0.02	0.02	0.04	0.02	0.03	0.02	0.10	0.03
Jan-96	0.02	0.02	0.02	0.01	0.03	0.02	0.02	0.02	0.03	0.02	0.02	0.01	0.02	0.03	0.02
Feb	0.11	0.08	0.10	0.15	0.15	0.17	0.09	0.09	0.10	0.10	0.08	0.08	0.10	0.20	0.09
Mar															
Apr	0.00	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
May	0.01	0.00	0.04	0.15	0.12	0.04	0.06	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01
Jun	0.05	0.07	0.04	0.28	0.05	0.19	0.03	0.04	0.02	0.06	0.03	0.02	0.04	0.03	0.04
Jul	0.18	0.20	0.23	0.53	0.27	0.55	0.24	0.21	1.08	0.24	0.22	0.41	0.21	0.23	0.24
Aug	0.18	0.03	0.17	0.26	0.27	0.31	0.21	0.26	0.27	0.18	0.25	0.22	0.29	0.22	0.02
Sep	0.02	0.02	0.02	0.06	0.05	0.03	0.02	0.01	0.05	0.38	0.18	0.02	0.01	0.02	0.02
No of samples	18	18	18	18	18	18	18	18	17	18	18	18	18	18	18
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.10	0.04	0.07	0.11	0.06	0.12	0.06	0.06	0.14	0.07	0.06	0.06	0.06	0.06	0.06
Maximum	0.50	0.20	0.23	0.53	0.27	0.55	0.24	0.26	1.08	0.38	0.25	0.41	0.29	0.23	0.37

Location	Nukus Cnl	Tuy Rec	Trt	Pip	Kumrad Int City	Int Gas	Trt City	Tvt Gas	Chimbay Well	Trt	Dst	Movnak Cnl	Trt	Pip
Mar-95	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.00			0.02	0.03	0.01	0.00
Apr	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01		0.00
May	0.30	0.10	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00		0.00
Jun	0.16	0.01	0.08	0.03	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02		0.00
Jul	0.08	0.04	0.02	0.02	0.01	0.02	0.03	0.05	0.03	0.01	0.05	0.09	0.03	0.03
Aug	0.10	0.06	0.02	0.00	0.00	0.00	0.03	0.02	0.02	0.02	0.04	0.01	0.02	0.01
Sep	0.04	0.01	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.02	0.00
Oct	0.00	0.01	0.00	0.00	0.01	0.01	0.08	0.02	0.01	0.00	0.01	0.00	0.03	0.00
Nov	0.05	0.02	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00
Dec	0.03	0.03	0.03	0.04	0.03	0.05	0.04	0.04	0.04	0.00	0.05	0.11	0.07	0.03
Jan-96	0.02	0.03	0.01	0.01	0.01	0.00	0.01	0.01			0.01	0.02	0.01	0.01
Feb	0.13	0.11	0.37	0.05	0.65	0.04	0.04	0.04			0.04	0.04	0.02	0.03
Mar														
Apr	0.05	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00		0.00	0.00	0.01	0.00
May	0.05	0.03	0.00	0.01	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.03
Jun	0.08	0.05	0.07	0.05	0.10	0.06	0.06	0.05	0.04	0.00	0.05	0.05	0.02	0.10
Jul	0.32	0.44	0.18	0.22	0.16	0.25	0.28	0.22	0.21	0.35	0.24	0.33	0.19	0.40
Aug	0.28	0.23	0.22	0.25	0.20	0.19	0.21	0.28	0.29	0.23	0.24	0.28	0.18	0.21
Sep	0.03	0.01	0.03	0.02	0.02	0.03	0.07	0.05	0.01	0.01	0.01	0.03	0.01	0.06
No of samples	18	16	17	18	18	17	18	18	14	8	16	18	15	16
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.09	0.07	0.06	0.04	0.07	0.05	0.05	0.04	0.05	0.07	0.03	0.06	0.04	0.06
Maximum	0.32	0.44	0.37	0.25	0.65	0.25	0.28	0.28	0.29	0.35	0.24	0.33	0.19	0.40

unit: ppb

Cr

Location	Amu Darya Tuy Res	Kap Res	Dri	Kip	Tab	Kvz	Tuy-Urg	Tuy-Nut	Urgench Cnl	Well	Ttt	Tuy-Rec	Pip	to Khv	Khiva Pip
Mar-95	8.17	6.44	10.53	10.02	6.69	9.89	7.05	9.29	13.56	6.53	7.51	11.30	6.64	9.20	9.57
Apr	10.37	10.30	16.29	3.63	4.04	3.14	4.52	6.07	13.56	11.73	12.22	2.59	4.04	12.46	2.46
May	50.00	0.90	0.00	21.10	1.20	30.00	14.00	2.50	15.00	13.00	0.10	0.00	0.00	0.00	0.56
Jun	37.79	2.46	1.95	26.20	4.90	8.91	0.47	0.93	32.50	0.61	1.86	1.42	1.60	1.13	1.49
Jul	0.85	1.43	0.82	0.78	0.76	0.90	0.76	0.73	0.78	0.78	2.20	0.71	0.76	0.80	0.87
Aug	2.27	2.41	1.39	2.24	2.09	3.69	0.49	1.98	4.81	2.30	2.28	3.03	2.40	1.71	2.92
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oct	1.02	0.91	0.91	0.68	1.33	0.72	0.59	0.90	0.66	0.89	1.32	0.65	0.76	0.77	0.59
Nov	2.92	3.46	3.22	1.86	2.21	2.03	1.77	1.89	7.71	3.28	0.83	4.78	3.53	0.60	1.72
Dec	3.48	3.28	2.95	2.62	3.33	3.12	2.99	1.69	3.53	3.13	2.29	2.90	3.21	2.81	2.11
Jan-96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Feb	6.45	7.15	11.21	9.49	8.02	7.94	11.30	6.59	9.41	13.05	9.11	7.35	9.12	8.04	11.97
Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr	5.21	4.75	4.01	7.15	6.23	7.86	6.65	6.25	7.67	4.87	8.14	6.02	3.76	3.82	6.31
May	1.40	1.07	1.17	0.20	1.13	1.86	0.97	0.60	0.65	1.61	0.81	0.98	0.77	0.35	0.78
Jun	8.96	9.67	9.41	10.57	8.55	10.69	9.32	7.51	9.94	10.27	9.15	9.29	9.63	9.62	7.77
Jul	0.88	0.91	0.73	6.48	1.22	3.07	0.76	0.72	0.72	0.84	0.96	1.38	0.95	0.99	0.86
Aug	0.94	0.38	0.81	1.81	1.05	1.71	1.60	0.98	2.78	0.91	1.25	1.10	1.32	2.48	0.55
Sep	2.55	2.06	2.12	3.74	2.55	3.63	2.62	2.56	3.29	9.09	2.90	2.19	3.15	2.24	2.82
No of samples	16	16	16	16	16	16	16	16	15	16	16	16	16	16	16
Minimum	0.85	0.38	0.00	0.20	0.76	0.72	0.47	0.60	0.65	0.61	0.10	0.00	0.00	0.00	0.55
Average	8.95	3.60	4.22	6.78	3.45	6.20	4.12	3.20	7.54	5.18	3.93	3.48	3.23	3.56	3.33
Maximum	50.00	10.30	16.29	26.20	8.55	30.00	14.00	9.29	32.50	13.05	12.22	11.30	9.63	12.46	11.97

Location	Nukus Cnl	Tuy Res	Ttt	Pip	Kungrad Int Cnv	Int Gas	Ttt Cnv	Ttt Gas	Chimbay Well	Ttt	Dst	Muyrak Cnl	Ttt	Pip
Mar-96	2.72	7.15	6.18	3.31	9.15	5.20	5.16	6.87	6.87	4.00	6.88	4.22	7.65	2.69
Apr	3.23	1.46	3.25	2.54	3.27	2.66	9.56	1.72	2.64	4.00	3.11	1.71	1.71	1.00
May	20.00	0.00	0.10	1.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.18
Jun	13.84	0.00	0.00	2.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73
Jul	0.72	0.84	0.71	0.96	0.74	0.76	1.66	0.85	0.78	0.69	0.62	0.78	0.91	0.82
Aug	3.95	2.13	-	2.57	0.98	0.99	0.99	0.36	1.91	2.31	2.31	0.92	0.63	0.82
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oct	1.47	1.17	1.73	1.45	1.33	0.65	0.86	1.05	0.37	0.42	0.42	1.03	0.88	0.79
Nov	2.17	1.76	2.83	5.77	9.53	9.03	8.59	8.40	9.47	9.47	9.77	9.01	7.13	7.72
Dec	3.96	2.69	3.16	2.31	2.30	2.09	2.63	2.48	2.24	2.87	2.87	2.70	2.61	3.08
Jan-96	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Feb	10.13	6.58	10.17	8.77	8.52	9.67	4.37	9.25	-	8.33	8.33	3.28	9.05	7.21
Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr	8.74	6.83	6.00	5.84	6.46	5.71	5.61	5.50	7.12	6.64	6.64	5.52	6.21	5.23
May	2.40	1.34	0.99	0.65	0.34	0.41	0.00	0.00	0.27	0.63	0.63	0.35	0.97	1.22
Jun	9.29	6.81	8.07	7.44	8.36	7.51	8.02	7.51	7.41	7.55	7.55	11.67	10.64	10.80
Jul	2.83	1.28	1.31	1.01	0.95	1.07	1.17	0.99	0.86	2.26	2.26	0.89	0.86	1.25
Aug	1.37	1.19	1.12	1.38	0.87	0.71	0.78	0.71	1.91	1.04	1.21	1.09	0.83	0.63
Sep	3.67	2.27	2.49	2.38	2.51	1.98	1.94	4.36	2.42	1.93	1.93	2.82	1.82	1.90
No of samples	16	16	16	16	16	16	16	16	13	7	14	16	16	14
Minimum	0.72	0.84	0.00	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.63	0.63
Average	5.66	3.11	3.21	3.19	3.46	3.15	3.26	3.13	2.15	2.58	3.73	3.04	3.86	3.22
Maximum	20.00	7.15	10.17	8.77	9.53	9.67	9.56	9.25	7.41	9.47	9.77	11.67	10.64	10.80

Location	Amu Darva Tuy Res	Kap Res	Dn	Kip	Tah	Kyz	Tuy-Urg	Tuy-Nuk	Urgench Cnl	Well	Trt	Tuy-Rec	Pip	to Khv	Khiva Pip
Mar-95	ND	ND	0.005	ND	ND	ND	ND	ND	0.001	0.002	0.004	ND	ND	ND	ND
Apr	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
May	0.100	0.077	0.062	ND	ND	ND	ND	ND	0.016	0.043	ND	0.027	ND	0.027	ND
Jun	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jul	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aug	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sep	0.013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oct	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nov	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dec	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jan-96	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Feb	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mar	ND	0.008	0.000	0.008	0.005	ND	0.008	0.008	0.005	0.005	0.006	0.005	0.008	0.006	0.005
Apr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
May	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jun	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jul	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aug	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sep	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
No of samples															
Minimum															
Average															
Maximum	0.100	0.077	0.062	0.008	0.005	0.000	0.008	0.008	0.016	0.043	0.006	0.027	0.008	0.027	0.005

Location	Nukus Cnl	Tuy-Rec	Trt	Pip	Kungrad Int Cnv	Int Gas	Trt Cnv	Tuy Gas	Chimbay Well	Trt	Det	Muynak Cnl	Trt	Pip
Mar-95	ND	ND	ND	ND	ND	ND	0.001	0.001	ND	ND	ND	0.001	ND	ND
Apr	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.050
May	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jun	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jul	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aug	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sep	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oct	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nov	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dec	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jan-96	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Feb	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mar	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000	ND	ND	0.000	ND
May	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jun	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jul	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aug	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sep	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
No of samples														
Minimum														
Average														
Maximum														

p.p'-DDE

unit : ng/l

Location	Amo Darya				Tuy-Ug				Tuy-Nuk				Urgench				Tuy-Rec				Khiva			
	Tuy Res	Kap Res	Dr	Kip	Tah	Kyz			Tuy-Ug	Tuy-Nuk			Well	Tr			Tuy-Rec	Pip	to Kiv	Pip	to Kiv	Pip		
Mar-95	ND	0.001	0.001	0.001	ND	0.001			ND	0.001			0.001	ND			ND	ND	0.001	ND	0.001	0.001		
Apr	ND	ND	ND	ND	ND	ND			ND	ND			ND	ND			ND	ND	ND	ND	ND	ND		
May	ND	ND	ND	ND	ND	ND			ND	ND			ND	ND			ND	ND	ND	ND	ND	ND		
Jun	ND	ND	ND	ND	ND	ND			ND	ND			ND	ND			ND	ND	ND	ND	ND	ND		
Jul	ND	ND	ND	ND	ND	ND			ND	ND			ND	ND			ND	ND	ND	ND	ND	ND		
Aug	ND	ND	ND	ND	ND	ND			ND	ND			ND	ND			ND	ND	ND	ND	ND	ND		
Sep	0.061	0.052	0.052	0.033	0.036	0.147			0.086	0.048			ND	0.073			0.086	0.023	0.095	0.023	0.095	0.023		
Oct	0.000	0.000	0.000	0.000	0.000	0.000			0.000	0.000			0.000	0.000			0.000	0.000	0.000	0.000	0.000	0.000		
Nov	0.000	0.000	0.000	0.000	0.000	0.000			0.000	0.000			0.000	0.000			0.000	0.000	0.000	0.000	0.000	0.000		
Dec	0.000	0.000	0.000	0.000	0.000	0.000			0.034	0.000			0.000	0.000			0.000	0.000	0.000	0.000	0.000	0.000		
Jan-96	0.000	0.000	0.000	0.000	0.000	0.000			0.000	0.000			0.000	0.000			0.000	0.000	0.000	0.000	0.000	0.000		
Feb																								
Mar	0.000	0.000	0.000	0.014	0.000	0.000			0.004	0.004			0.003	0.003			0.003	0.003	0.003	0.003	0.003	0.003		
Apr	0.000	0.000	0.000	0.000	0.000	0.000			0.000	0.000			0.000	0.000			0.000	0.000	0.000	0.000	0.000	0.000		
May	0.000	0.000	0.000	0.000	0.000	0.000			0.000	0.000			0.000	0.000			0.000	0.000	0.000	0.000	0.000	0.000		
Jun	0.000	0.000	0.000	0.000	0.000	0.000			0.000	0.000			0.000	0.000			0.000	0.000	0.000	0.000	0.000	0.000		
Jul	0.000	0.000	0.000	0.000	0.614	0.000			0.000	0.000			0.000	0.000			0.000	0.000	0.000	0.000	0.000	0.000		
Aug	0.000	0.000	0.000	0.024	0.000	0.000			0.000	0.000			0.000	0.000			0.000	0.000	0.000	0.000	0.000	0.000		
Sep	0.033	0.000	0.000	0.000	0.000	0.000			0.000	0.000			0.000	0.000			0.000	0.000	0.000	0.000	0.000	0.000		
No of samples																								
Minimum																								
Average																								
Maximum	0.061	0.052	0.052	0.033	0.614	0.147			0.086	0.048			0.003	0.073			0.086	0.023	0.095	0.023	0.095	0.023		

Location	Nukus				Kungurad				Chimbay				Muyrak			
	Cnl	Tuy Res	Tr	Pip	Int Cnl	Int Gas	Tr Gas	Tr Cnl	Well	Tr	Dst	Cnl	Tr	Pip		
Mar-95	ND		ND	ND	0.001	0.004	0.010	0.000	0.001		ND	0.001		0.001		
Apr	ND		ND	ND	ND	ND	ND	ND	ND		ND	ND		ND		
May	ND		ND	ND	ND	ND	ND	ND	ND		ND	ND		ND		
Jun	ND		ND	ND	ND	ND	ND	ND	ND		ND	ND		ND		
Jul	ND		ND	ND	ND	ND	ND	ND	ND		ND	ND		ND		
Aug	ND		ND	ND	ND	ND	ND	ND	ND		ND	ND		ND		
Sep	ND	0.142	0.127	0.117	0.111	0.096	0.116	0.068	0.000		ND	0.114		ND		
Oct	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000		0.000		
Nov	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000		0.000		
Dec	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000		0.000		
Jan-96	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000		0.000		
Feb																
Mar																
Apr	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.000			0.018		0.000		
May	0.000	0.816	0.000	0.000	0.000	0.000	0.000	0.000	0.000			0.000		0.000		
Jun	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			0.000		0.000		
Jul	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			0.000		0.000		
Aug	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			0.000		0.000		
Sep	0.052	0.000	0.000	0.000	0.000	0.021	0.000	0.000	0.000			0.000		0.000		
No of samples																
Minimum																
Average	0.052	0.816	0.127	0.117	0.111	0.096	0.116	0.068	0.000			0.114		0.000		
Maximum																

unit : ng / l

p.p'-DDD

Location	Amu Darya Tuy Res	Kap Res	Drg	Kip	Tsh	Kyz	Tuy-Urg	Tuy-Nuk	Urrench Cnl	Well	Tr	Tuy-Rec	Pip	to Khv	Khiva Pip
Mar-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	0.001	ND	ND
Apr	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
May	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jun	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jul	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aug	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sep	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oct	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nov	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dec	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jan-96	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Feb	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mar	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Apr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
May	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jun	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jul	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aug	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sep	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
No of samples															
Minimum															
Average															
Maximum	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.000	0.000

Location	Nukus Cnl	Tuy Rec	Tr	Pip	Kulnrad Int City	Int Gas	Tr City	Tyr Gas	Chumbay Well	Tr	Dist	Mavnak Cnl	Tr	Pip
Mar-95	ND	ND	ND	ND	0.001	ND	0.001	0.001	ND	ND	ND	0.001	ND	ND
Apr	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
May	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jun	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jul	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aug	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sep	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oct	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nov	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dec	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jan-96	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Feb	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mar	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Apr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
May	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jun	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jul	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aug	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sep	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
No of samples														
Minimum														
Average														
Maximum														

unit : ng / l

a-BHC

Location	Amu Darya				Tuy-Urg				Tuy-Nuk				Urgench				Tuy-Rec				Khv			
	Tuy Res	Kap Res	Dn	Kip	Tah	Kyz							Chl	Well	Trt					Pip	to Khv	Pip		
Mar-95	0.002	0.001	0.002	0.000	0.001	0.001			0.002	0.002	0.001	0.001	0.001	0.001	0.001		0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.001
Apr	ND	ND	0.001	0.001	0.000	0.001			0.002	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.001
May	0.320	0.290	0.290	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND
Jun	ND	ND	ND	0.000	ND	ND			ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND
Jul	ND	ND	ND	0.000	ND	ND			ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND
Aug	0.023	0.019	0.020	0.020	0.017	0.024			0.024	0.023	0.020	0.018	0.022	0.019	0.020		0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
Sep	0.083	0.107	0.074	0.071	0.028	0.017			0.077	0.064	0.014	0.014	0.115	0.043	0.062		0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
Oct	0.021	0.013	0.000	0.000	0.000	0.000			0.009	0.041	0.000	0.013	0.009	0.010	0.010		0.009	0.009	0.010	0.010	0.010	0.010	0.010	0.010
Nov	0.000	0.000	0.000	0.000	0.027	0.026			0.019	0.000	0.000	0.000	0.000	0.021	0.033		0.021	0.021	0.033	0.033	0.033	0.033	0.033	0.033
Dec	0.000	0.000	0.000	0.000	0.010	0.000			0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jan-96	0.000	0.000	0.000	0.000	0.000	0.000			0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Feb	0.060	0.040	0.054	0.040	0.042	0.025			0.038	0.043	0.038	0.042	0.040	0.027	0.033		0.027	0.027	0.033	0.033	0.033	0.033	0.033	0.033
Mar																								
Apr	0.000	0.000	0.000	0.002	0.001	0.001			0.000	0.000	0.004	0.000	0.002	0.001	0.002		0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002
May	0.002	0.000	0.011	0.007	0.006	0.000			0.012	0.004	0.000	0.005	0.004	0.002	0.003		0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003
Jun	0.035	0.020	0.024	0.023	0.016	0.016			0.020	0.012	0.035	0.028	0.027	0.020	0.040		0.020	0.020	0.040	0.040	0.040	0.040	0.040	0.040
Jul	0.000	0.000	0.000	0.000	0.000	0.000			0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aug	0.000	0.000	0.000	0.023	0.006	0.005			0.004	0.003	0.005	0.000	0.000	0.000	0.003		0.000	0.000	0.003	0.003	0.003	0.003	0.003	0.003
Sep	0.017	0.013	0.054	0.024	0.025	0.000			0.015	0.000	0.013	0.000	0.000	0.013	0.000		0.000	0.013	0.000	0.000	0.010	0.010	0.010	0.010
No of samples																								
Minimum																								
Average																								
Maximum	0.320	0.290	0.290	0.071	0.042	0.026			0.077	0.064	0.038	0.074	0.115	0.043	0.062		0.043	0.043	0.062	0.062	0.119	0.119	0.038	0.038

Location	Nukus				Kungurad				Chimbay				Mumyak			
	Chl	Tuy Rec	Trt	Pip	Int City	Int Gas	Trt City	Tyr Gas	Well	Trt	Dst	Chl	Trt	Dst	Pip	
Mar-95	0.001		0.002	0.001	0.002	0.001	0.001	0.001	0.002			0.001		0.001	0.001	
Apr	0.001		ND	ND	0.012	0.015	0.002	0.013	0.001			0.001		0.001	0.026	
May	ND		ND	ND	ND	ND	ND	ND	ND			ND		ND	ND	
Jun	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND		ND	ND	
Jul	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND		ND	ND	
Aug	0.024		0.025	0.016	0.018		0.019	0.017	0.018			0.017		0.017	0.021	
Sep	0.007	0.004	0.004	0.012	0.002	0.004	ND	0.002	0.011	0.017		ND	0.038	0.016	0.040	
Oct	0.005	0.012	0.000	0.000	0.031	0.012	0.000	0.007	0.000			0.018	0.014		0.005	
Nov	0.000	0.000	0.004	0.000	0.000	0.047	0.031	0.000	0.000	0.009		0.005	0.005		0.000	
Dec	0.000	0.000	0.000	0.000	0.024	0.000	0.019	0.000	0.000	0.000		0.024	0.012	0.012	0.012	
Jan-96	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000	0.000			0.010	0.000	0.000	0.010	
Feb	0.023	0.015	0.025	0.024	0.015	0.024	0.016	0.018				0.021	0.023	0.024	0.023	
Mar																
Apr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000		0.000	0.004	0.004	0.001	
May	0.007	0.003	0.000	0.004	0.008	0.010	0.034	0.013	0.000	0.004		0.029	0.009	0.009	0.008	
Jun	0.006	0.005	0.010	0.012	0.010	0.010	0.009	0.011	0.012		0.007	0.013	0.017	0.017	0.015	
Jul	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.032	0.000	0.000		0.000	0.000	0.000	0.000	
Aug	0.005	0.000	0.000	0.007	0.004	0.005	0.016	0.006	0.000	0.000		0.011	0.019	0.019	0.000	
Sep	0.000	0.000	0.000	0.000	0.008	0.008	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.006	
No of samples																
Minimum																
Average																
Maximum	0.024	0.015	0.025	0.024	0.031	0.047	0.034	0.032	0.018	0.017	0.021	0.038	0.024	0.024	0.040	

b-BHC

unit : ng / l

Location	Arnu Darva				Tuy-Urg				Urgench				Khiva			
	Tuy Res	Kap Res	Dn	Kip	Tah	Kiv	Tuy-Urg	Tuy-Nuk	Urgench	Well	Ttr	Tuy-Rec	Pip	to Khv	Pip	Khiva
Mar-95	0.004	ND	ND	ND	ND	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
May	ND	ND	ND	ND	0.650	0.720	0.530	0.710	0.690	0.800	0.620	0.610	0.730	0.840	0.540	0.540
Jun	1.250	0.706	0.645	0.438	0.611	2.984	0.612	0.548	0.794	0.650	0.670	0.596	0.493	0.436	0.515	0.515
Jul	0.260	0.630	0.210	0.310	0.150	0.060	0.210	0.290	0.210	0.100	0.160	0.310	0.390	0.490	1.062	1.062
Aug	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sep	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oct	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nov	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dec	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jan-96	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Feb	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mar	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Apr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
May	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jun	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jul	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aug	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sep	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
No of samples																
Minimum																
Average																
Maximum	1.250	0.706	0.645	0.650	0.630	2.984	0.612	0.710	0.794	0.800	0.670	0.610	0.730	0.840	1.062	1.062

Location	Nukus				Kumrad				Chimbay				Muyrak			
	Chl	Tuy Rec	Ttr	Pip	Int Clv	Int Gas	Ttr Clv	Ttr Gas	Well	Ttr	Dtr	Chl	Ttr	Dtr	Pip	Pip
Mar-95	ND	ND	ND	ND	ND	0.001	0.001	0.001	ND	ND	ND	ND	0.001	ND	0.001	0.001
Apr	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
May	0.600	ND	0.700	0.640	0.640	1.170	0.840	0.660	0.550	0.630	0.550	0.630	0.550	0.630	0.650	0.650
Jun	0.642	1.137	0.071	0.917	0.596	0.663	0.644	0.632	0.506	0.720	0.600	0.596	0.760	0.810	0.810	0.810
Jul	0.086	0.780	0.071	0.670	0.800	0.860	0.750	0.790	0.700	0.720	0.600	0.600	0.840	0.840	0.840	0.840
Aug	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sep	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oct	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nov	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dec	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jan-96	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Feb	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mar	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Apr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
May	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jun	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jul	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aug	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sep	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
No of samples																
Minimum																
Average																
Maximum	0.642	1.137	0.700	0.917	0.800	1.170	0.840	0.790	0.700	0.000	0.720	0.600	0.840	0.840	0.810	0.810

unit : ng / l

g-BHC

Location	Amu Darva						Tuy-Urg	Tuy-Nuk	Urgench			Tuy-Rec	Pip	to Khv	Khiva- Pip
	Tuy-Res	Kap-Res	Dst	Kip	Tah	Kyz			Cnl	Well	Trt				
Mar-95	0.001	0.001	0.001	0.001	0.001	ND	0.001	ND	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Apr	ND	ND	0.001	0.001	0.001	0.001	ND	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002
May	0.170	0.150	0.180	0.190	0.180	0.190	0.140	0.200	0.180	0.190	0.160	0.160	0.190	0.200	0.150
Jun	0.175	0.113	0.111	0.074	0.110	0.520	0.100	0.088	0.143	0.105	0.107	0.093	0.077	0.069	0.093
Jul	0.093	0.205	0.067	0.083	0.080	0.063	0.067	0.087	0.070	0.350	0.075	0.220	0.310	0.310	0.340
Aug	0.070	0.007	0.019	0.18	0.017	0.027	0.023	0.023	0.022	0.018	0.020	0.019	0.020	0.020	0.017
Sep	0.790	0.103	0.076	0.053	0.020	0.039	0.053	0.063	0.012	0.069	0.090	0.025	0.230	0.105	0.043
Oct	0.014	0.000	0.000	0.000	0.000	0.013	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nov	0.000	0.024	0.024	0.000	0.000	0.000	0.000	0.000	0.011	0.018	0.000	0.000	0.000	0.000	0.022
Dec	0.000	0.000	0.000	0.000	0.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.031	0.000
Jan-96	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Feb	0.035	0.019	0.026	0.020	0.021	0.012	0.023	0.019	0.020	0.022	0.020	0.013	0.020	0.016	0.019
Mar															
Apr	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.006	0.000	0.001	0.000	0.001	0.000	0.000
May	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jun	0.017	0.025	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.024	0.010	0.016	0.000	0.000
Jul	0.000	0.000	0.000	0.000	0.076	0.321	0.047	0.000	0.018	0.000	0.000	0.000	0.000	0.017	0.038
Aug	0.041	0.000	0.000	0.000	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.000	0.000
Sep	0.018	0.000	0.000	0.023	0.022	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.010	0.013
No of samples															
Minimum															
Average															
Maximum	0.790	0.205	0.180	0.190	0.180	0.520	0.140	0.200	0.180	0.350	0.160	0.220	0.310	0.310	0.340

Location	Nukus				Kungurd				Chimbav				Moyrak			
	Nukus	Tuy Rec	Trt	Pip	Int City	Int Gas	Trt City	Tuy Gas	Well	Trt	Dst	Cnl	Trt	Pip	Trt	Pip
Mar-95	ND	0.001	0.001	0.003	0.001	ND	ND	ND	0.001	0.001	0.001	ND	ND	0.001	0.001	0.001
Apr	0.002	ND	0.220	0.130	0.002	0.002	0.003	0.002	0.000	0.000	ND	0.010	ND	0.040	0.040	0.040
May	0.170				0.130	0.270	0.260	0.140	0.110	0.110	0.130	0.130	0.130	0.190	0.190	0.190
Jun	0.111	0.192	0.168	0.105	0.105	0.119	0.114	0.108	0.090	0.090	0.070	0.101	0.101	0.127	0.127	0.127
Jul	0.120	0.230	0.100	0.180	0.250	0.290	0.230	0.250	0.190	0.190	0.190	0.190	0.190	0.270	0.270	0.270
Aug	0.028	0.024	0.024	0.016	0.018	0.018	0.020	0.017	0.018	0.017	0.017	0.018	0.018	0.022	0.022	0.022
Sep	0.012	0.026	0.016	0.025	0.026	0.018	0.012	0.023	0.025	0.025	ND	0.014	0.017	0.040	0.040	0.040
Oct	0.004	0.023	0.000	0.000	0.000	0.010	0.000	0.011	0.008	0.008	0.000	0.013	0.013	0.000	0.000	0.000
Nov	0.024	0.032	0.019	0.022	0.000	0.028	0.000	0.057	0.000	0.015	0.000	0.011	0.050	0.000	0.000	0.000
Dec	0.000	0.000	0.000	0.032	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jan-96	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.000	0.000	0.000	0.000	0.000	0.026	0.000	0.000
Feb	0.011	0.008	0.012	0.012	0.008	0.009	0.008	0.010			0.013	0.013	0.013	0.011	0.012	0.012
Mar																
Apr	0.000	0.000	0.000	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
May	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jun	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jul	0.750	0.000	0.058	0.000	0.000	0.017	0.000	0.012	0.000	0.000	0.000	0.017	0.017	0.014	0.014	0.013
Aug	0.000	0.019	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.015	0.000	0.000	0.000	0.000	0.000
Sep	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
No of samples																
Minimum																
Average																
Maximum	0.750	0.230	0.220	0.180	0.250	0.290	0.260	0.250	0.190	0.015	0.190	0.190	0.270	0.270	0.270	0.270

Parathion-methyl

unit : ng/l

Location	Amu Darva Tuy Res	Kap Res	Dri	Kip	Tah	Kyz	Tuy-Urg	Tuy-Nuk	Urgench Cnl	Well	Trt	Tuy-Rec	Pip	to Khv	Khiva Pip
Mar-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
May	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jun	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jul	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aug	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sep	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oct															
Nov															
Dec															
Jan-96															
Feb															
Mar															
Apr															
May															
Jun															
Jul															
Aug															
Sep															
No of samples															
Minimum															
Average															
Maximum															

Location	Nukus Cnl	Tuy Rec	Trt	Pip	Kungrad Int City	Int Gas	Trt City	Ty Gas	Chimbay Well	Trt	Det	Myrak Cnl	Trt	Pip
Mar-95	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
May	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jun	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jul	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aug	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sep	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oct														
Nov														
Dec														
Jan-96														
Feb														
Mar														
Apr														
May														
Jun														
Jul														
Aug														
Sep														
No of samples														
Minimum														
Average														
Maximum														

Malathion

unit: ng/l

Location	Amu Darya		Kap-Res		Dij	Kip	Tah	Kvz	Tuy-Urg		Tuy-Nuk	Urgench		Ttr	Tuy-Res	Pip	to Kbv	Khiva
	Tuy-Res	Kap-Res	Cnl	well					Pip	Pp								
Mar-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Pp
Apr	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
May	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jun	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jul	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aug	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sep	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oct																		
Nov																		
Dec																		
Jan-96																		
Feb																		
Mar																		
Apr																		
May																		
Jun																		
Jul																		
Aug																		
Sep																		
No of samples																		
Minimum																		
Average																		
Maximum																		

Location	Nukus				Kungrad				Chimbay				Maynak				to Pip				Pip
	Chl	Tuv Rec	Tr	Pip	Int City	Int Gas	Tr City	Tr Gas	Well	Tr	Dst	Chl	Tr	Dst	Chl	Tr					Pip
Mar-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
May	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jun	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jul	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aug	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sep	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oct																					
Nov																					
Dec																					
Jan-96																					
Feb																					
Mar																					
Apr																					
May																					
Jun																					
Jul																					
Aug																					
Sep																					
No of samples																					
Minimum																					
Average																					
Maximum																					

Dimethoate

unit : ng/l

Location	Amu Darva	Kap Res	Dry	Kip	Tah	Kvr	Tuy-Urg	Tuy-Nuk	Urgench	Well	Tr	Tuy-Rec	Pip	to Khv	Khiwa
	Tov Res								Chl						Pip
Mar-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
May	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jun	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jul	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aug	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sep	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oct															
Nov															
Dec															
Jan-96															
Feb															
Mar															
Apr															
May															
Jun															
Jul															
Aug															
Sep															
No of samples															
Minimum															
Average															
Maximum															

Location	Nubus	Tuy Rec	Tr	Pip	Kimgrad	Int City	Int Gas	Trt City	Tuy Gas	Chimbay	Well	Trt	Dst	Muyrak	Tr	Pip
	Chl													Chl		Pip
Mar-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
May	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jun	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jul	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aug	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sep	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oct																
Nov																
Dec																
Jan-96																
Feb																
Mar																
Apr																
May																
Jun																
Jul																
Aug																
Sep																
No of samples																
Minimum																
Average																
Maximum																