Plasma Plus+ *Application & Research Laboratory*

House No:48/6 Road No: 9A on Saat Masjid Road Dhanmondi Dhaka - 1209 Bangladesh
Tel: (880-2) 9122407 & 9112290 Fax: (880-2) 9880790 Email: plasma@bdcom.com

Department: Environmental & Analytical

Analytical Report Sheet

Report Ref: PP/EA/JICASTUDY01/MK/2002/07/1008-3

Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	31-Mar-01	Water supplied in PVC bottles.
Contact Person	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA24.1	PPWQ-EA28	PPWQ-EA20.1	PPWQ-EA7	PPWQ-EA40
Analyte		Fluoride	Hardness	Free CN	COD	TDS
Method		SP	Standard	SP	CR titration	Standard
PQL		0.1	0.5	0.009	20	0.13
Precision(%CV)**		<8%	<5%	<10%	<5%	<10%
Accuracy(%Recovery)**		90% - 110%	90% - 110%	90% - 110%	90% - 110%	85% - 115%
Unit		mg/L	mg CaCO3/L	mg/L	mg O2/L	mg/L
User Sample ID	Laboratory Sample ID	F	Hardn.	CN	COD	TDS
Im-JhKc-1-1M-OI	EA20010331001	0.22	152.30	0.017	<PQL	381.632
Im-JhKc-2-1M-OI	EA20010331002	0.21	146.39	0.012	<PQL	571.712
Im-JhKc-3-1M-OI	EA20010331003	0.31	145.75	0.014	<PQL	558.912
AR-CdBd-AA-R-25 Mar-OI	EA20010331004	0.46	113.70	<PQL	31.23	426.24
AR-CdBd-AA-AF-25 Mar-OI	EA20010331005	<PQL	113.09	<PQL	<PQL	405.44
AR-JhKc-AA-R-25 Mar-OI	EA20010331006	0.46	162.74	<PQL	58.56	766.72
AR-JhKc-AA-AF-25 Mar-OI	EA20010331007	0.27	166.00	0.016	39.04	763.072
CB2-CHBd-1M-OI	EA20010331008	0.17	164.82	0.013	39.04	396.8
AR-JSRb-SSB-AF-27 Mar-OI	EA20010331009	<PQL	2.39	<PQL	15.61	44.48
AR-JSRb-SSB-R-27 Mar-OI	EA20010331010	2.82	104.13	<PQL	52.05	1589.33
IM-JK-1-3M-OI	EA20010331011	0.38	55.99	<PQL	<PQL	360.32
IM-JK-2-3M-OI	EA20010331012	0.31	55.74	<PQL	<PQL	362.88
IM-JK-3-3M-OI	EA20010331013	0.49	58.07	<PQL	<PQL	358.208
OW-CH1-OM-OI	EA20010331014	0.11	88.07	0.023	<PQL	358.59
AR-JhKc-SSV-R-26 Mar-OI	EA20010331015	0.12	22.80	<PQL	39.04	70.88
AR-JhKc-SSU-AF-OI	EA20010331016	0.45	133.96	<PQL	39.04	496
Total No. of Samples	16					
Total No. of Services		16	16	16	16	16

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

** The Precision & Accuracy are defined only for the laboratory process not for the sampling, transporting and storage processes.

Signature of Analyst
(Mala Khan)

Form:QF-5.12-ver.1.0

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1008-4	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	31-Mar-01	Water supplied in PVC bottles.
Contact Person	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA11	PPWQ-EA19	PPWQ-EA20	PPWQ-EA12	
Analyte		Sodium	Potassium	Calcium	Magnesium	
Method		FAAS	FAAS	FAAS	FAAS	
PQL		0.05	0.1	0.5	0.05	
Precision(%CV)**		<5%	<5%	<5%	<5%	
Accuracy(%Recovery)**		85% - 115%	85% - 115%	85% - 115%	85% - 115%	
Unit		mg/L	mg/L	mg/L	mg/L	
User Sample ID	Laboratory Sample ID	Sodium	Potassium	Calcium	Magnesium	
Im-JhKc-1-1M-HM	EA20010331101	23.29	8.64	130.49	21.80	
Im-JhKc-2-1M-HM	EA20010331102	22.82	6.71	124.80	21.60	
Im-JhKc-3-1M-HM	EA20010331103	21.76	6.75	124.28	21.46	
AR-CdBd-AA-R-25 Mar-HM	EA20010331104	14.98	6.74	94.39	19.31	
AR-CdBd-AA-AF-25 Mar-HM	EA20010331105	18.03	6.94	93.60	19.49	
AR-JhKc-AA-R-25 Mar-HM	EA20010331106	25.58	7.06	139.07	23.67	
AR-JhKc-AA-AF-25 Mar-HM	EA20010331107	26.77	7.23	142.33	23.67	
CB2-CHBd-1M-HM	EA20010331108	21.67	6.65	70.09	22.61	
AR-JSRb-SSB-AF-27 Mar-HM	EA20010331109	0.41	2.05	<PQL	0.24	
AR-JSRb-SSB-R-27 Mar-HM	EA20010331110	482.06	10.42	81.21	22.92	
IM-JK-1-3M-HM	EA20010331111	69.03	5.76	39.18	16.81	
IM-JK-2-3M-HM	EA20010331112	66.28	5.67	38.90	16.84	
IM-JK-3-3M-HM	EA20010331113	65.78	5.92	41.33	16.75	
OW-CH1-OM-HM	EA20010331114	18.94	7.52	66.79	21.28	
AR-JhKc-SSV-R-26 Mar-HM	EA20010331115	1.16	3.54	16.82	5.76	
AR-JhKc-SSU-AF-HM	EA20010331116	16.38	5.92	112.74	21.22	
Total No. of Samples	16					
Total No. of Services		16	16	16	16	

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ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref: PP/EA/JICASTUDY01/MK/2002/07/1008-5

Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	31-Mar-01	Water supplied in PVC bottles.
Contact Person	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA34	PPWQ-EA24	PPWQ-EA16	PPWQ-EA82	PPWQ-EA29
Analyte		Nickel	Total Cr	Zinc	Lead	Copper
Method		GFAAS	GFAAS	Extraction / FAAS	GFAAS	GFAAS
PQL		5.00	10.00	5.00	5.00	5.00
Precision(%CV)**		<10%	<10%	<10%	<10%	<10%
Accuracy(%Recovery)**		85% - 115%	85% - 115%	85% - 115%	80% - 120%	85% - 115%
Unit		ug/L	ug/L	ug/L	ug/L	ug/L
User Sample ID	Laboratory Sample ID	Nickel	Total Cr	Zinc	Lead	Copper
Im-JhKc-1-1M-HM	EA20010331101	<PQL	<PQL	29.7	<PQL	<PQL
Im-JhKc-2-1M-HM	EA20010331102	7.3	<PQL	102.7	<PQL	<PQL
Im-JhKc-3-1M-HM	EA20010331103	8.7	<PQL	36.1	<PQL	5.0
AR-CdBd-AA-R-25 Mar-HM	EA20010331104	<PQL	<PQL	18.6	6.2	<PQL
AR-CdBd-AA-AF-25 Mar-HM	EA20010331105	8.7	<PQL	<PQL	4.8	<PQL
AR-JhKc-AA-R-25 Mar-HM	EA20010331106	4.1	<PQL	44.2	5.5	8.2
AR-JhKc-AA-AF-25 Mar-HM	EA20010331107	14.7	<PQL	212.1	<PQL	<PQL
CB2-CHBd-1M-HM	EA20010331108	12.2	<PQL	<PQL	<PQL	5.4
AR-JSRb-SSB-AF-27 Mar-HM	EA20010331109	<PQL	<PQL	68.2	<PQL	<PQL
AR-JSRb-SSB-R-27 Mar-HM	EA20010331110	14.5	<PQL	12.1	<PQL	5.2
IM-JK-1-3M-HM	EA20010331111	<PQL	<PQL	95.4	<PQL	<PQL
IM-JK-2-3M-HM	EA20010331112	<PQL	<PQL	17.0	6.61	4.0
IM-JK-3-3M-HM	EA20010331113	<PQL	<PQL	26.2	<PQL	<PQL
OW-CH1-OM-HM	EA20010331114	<PQL	<PQL	7.8	<PQL	4.4
AR-JhKc-SSV-R-26 Mar-HM	EA20010331115	4.9	<PQL	101.3	<PQL	4.5
AR-JhKc-SSU-AF-HM	EA20010331116	5.9	<PQL	306.4	<PQL	<PQL
Total No. of Samples	16					
Total No. of Services		16	16	16	16	16

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectro
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref: PP/EA/JICASTUDY01/MK/2002/07/1008-6

Date: July 10, 2002

Customer ID:	**JICASTUDY01**	**Sample Received Date:**	**Sample Type:**
Customer:	JICA STUDY TEAM	31-Mar-01	Water supplied in PVC bottles.
Contact Person	Mr.M. Fukuda		
Address:	**C/O:DPHE Jessore,Jessore**		

Service ID		PPWQ-EA48.1	PPWQ-EA80.1			
Analyte		Cadmium	Mercury			
Method		GFAAS	FAAS-MVU			
PQL		1.5	1.00			
Precision(%CV)**		<10%	<10%			
Accuracy(%Recovery)**		85% - 115%	85% - 115%			
Unit		ug/L	ug/L			
User Sample ID	Laboratory Sample ID	Cadmium	Mercury			
Im-JhKc-1-1M-HM	EA20010331101	<PQL	<PQL			
Im-JhKc-2-1M-HM	EA20010331102	<PQL	<PQL			
Im-JhKc-3-1M-HM	EA20010331103	<PQL	<PQL			
AR-CdBd-AA-R-25 Mar-HM	EA20010331104	<PQL	<PQL			
AR-CdBd-AA-AF-25 Mar-HM	EA20010331105	<PQL	<PQL			
AR-JhKc-AA-R-25 Mar-HM	EA20010331106	<PQL	<PQL			
AR-JhKc-AA-AF-25 Mar-HM	EA20010331107	<PQL	<PQL			
CB2-CHBd-1M-HM	EA20010331108	<PQL	<PQL			
AR-JSRb-SSB-AF-27 Mar-HM	EA20010331109	<PQL	<PQL			
AR-JSRb-SSB-R-27 Mar-HM	EA20010331110	<PQL	<PQL			
IM-JK-1-3M-HM	EA20010331111	<PQL	<PQL			
IM-JK-2-3M-HM	EA20010331112	<PQL	<PQL			
IM-JK-3-3M-HM	EA20010331113	<PQL	<PQL			
OW-CH1-OM-HM	EA20010331114	<PQL	<PQL			
AR-JhKc-SSV-R-26 Mar-HM	EA20010331115	<PQL	<PQL			
AR-JhKc-SSU-AF-HM	EA20010331116	<PQL	<PQL			
Total No. of Samples	16					
Total No. of Services		16	16			

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref: PP/EA/JICASTUDY01/MK/2002/07/1008-7

Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	31-Mar-01	Water supplied in PVC bottles.
Contact Person	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA26	PPWQ-EA25			
Analyte		Dissolved Fe	Dissolved Mn			
Method		FAAS	FAAS			
PQL		0.2	0.08			
Precision(%CV)**		6%	5%			
Accuracy(%Recovery)**		90% - 110%	85% - 115%			
Unit		mg/L	mg/L			
User Sample ID	Laboratory Sample ID	Dissolved Fe	Dissolved Mn			
Im-JhKc-1-1M-FeMn	EA20010331201	7.77	0.24			
Im-JhKc-2-1M-FeMn	EA20010331202	2.32	0.05			
Im-JhKc-3-1M-FeMn	EA20010331203	2.51	0.05			
AR-CdBd-AA-R-25 Mar-FeMn	EA20010331204	3.68	0.28			
AR-CdBd-AA-AF-25 Mar-FeMn	EA20010331205	0.65	0.07			
AR-JhKc-AA-R-25 Mar-FeMn	EA20010331206	11.25	0.05			
AR-JhKc-AA-AF-25 Mar-FeMn	EA20010331207	0.61	0.05			
CB2-CHBd-1M-FeMn	EA20010331208	6.86	0.05			
AR-JSRb-SSB-AF-27 Mar-FeMn	EA20010331209	0.50	0.05			
AR-JSRb-SSB-R-27 Mar-FeMn	EA20010331210	3.92	0.05			
IM-JK-1-3M-FeMn	EA20010331211	0.73	0.05			
IM-JK-2-3M-FeMn	EA20010331212	0.66	0.05			
IM-JK-3-3M-FeMn	EA20010331213	0.71	0.05			
OW-CH1-OM-FeMn	EA20010331214	12.45	0.02			
AR-JhKc-SSV-R-26 Mar-FeMn	EA20010331215	0.56	0.05			
AR-JhKc-SSU-AF-FeMn	EA20010331216	3.81	0.51			
Total No. of Samples	16					
Total No. of Services		16	16			

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
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Signature of Analyst
(Mala Khan)

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref: PP/EA/JICASTUDY01/MK/2002/07/1009-1

Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	2-May-01	Water supplied in PVC bottles.
Contact Person	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA34.1	PPWQ-EA34	PPWQ-EA16	PPWQ-EA34.1	PPWQ-EA30.1
Analyte		Temperature	pH	Conductivity	at Temperature	Ammonium
Method		Thermometer	pH meter	Conductivity meter	Thermometer	SP
PQL		0 Deg C	0	0.2	0	0.1
Precision (%CV) **		<8%	<8%	<8%	<8%	<8%
Accuracy (%Recovery) **		90% - 110%	90% - 110%	90% -110%	90% - 110%	90% - 110%
Unit		Deg C		uS/cm	Deg C	mg/L
User Sample ID	Laboratory Sample ID	T	pH	EC	at T	NH4
Im-CdBd-3-1M-OI	EA20010502001	24.9	7.72	546.3	24.1	1.34
Im-CdBd-2-1M-OI	EA20010502002	25.7	7.15	554.0	25.5	<PQL
Im-CdBd-1-1M-OI	EA20010502003	26.0	7.22	578.3	25.3	1.57
OW-JD-1-BP-15APR-OI	EA20010502004	25.7	7.16	638.7	24.7	<PQL
OW-JH-1-BP-OI	EA20010502005	24.8	7.25	768.4	25.1	<PQL
OW-JH-1-CP-48h-OI	EA20010502006	25.3	7.22	782.3	25.3	0.11
OH-JH-1-4-BP-OI	EA20010502007	25.5	7.16	739.3	25.5	<PQL
OH-JH-1-4-SIP-30min-OI	EA20010502008	25.2	7.14	757.7	25.3	<PQL
OH-JH-1-4-SIP-140min-OI	EA20010502009	25.0	7.20	751.7	25.2	0.13
OH-JH-1-3-BP-OI	EA20010502010	25.0	7.10	656.3	25.0	0.22
OH-JH-1-3-SIP-30min-OI	EA20010502011	25.6	7.26	655.0	25.7	0.78
OH-JH-1-3-SIP-140min-OI	EA20010502012	25.6	7.15	652.0	25.6	0.78
OH-JH-1-2-BP-OI	EA20010502013	25.4	7.25	602.3	25.6	0.61
OH-JH-1-2-SIP-30min-OI	EA20010502014	25.5	7.16	606.7	25.9	0.51
OH-JH-1-2-SIP-140min-OI	EA20010502015	25.3	7.17	626.1	25.65	0.42
OH-JH-1-1-BP-OI	EA20010502016	25.2	7.34	462.7	25.8	<PQL
OH-JH-1-1-SIP-30min-OI	EA20010502017	25.4	7.31	473.7	25.7	<PQL
OH-JH-1-1-SIP-140min-OI	EA20010502018	25.4	7.27	478.0	25.7	<PQL
OW-CH-1-1M-OI	EA20010502019	25.1	7.26	649.0	25.5	0.42
CB2-CHBd-2M-OI	EA20010502020	24.9	7.98	436.5	25.13	0.72
OW-CH-2-OM-OI	EA20010502021	24.7	7.30	648.3	25.1	0.22
Im-JhKc-2-2M-OI	EA20010502022	24.7	7.08	811.0	25.1	1.63
Im-JhKc-3-2M-OI	EA20010502023	24.6	7.04	819.25	24.9	2.08
Total No. of Samples	23					
Total No. of Services		23	23	23		23

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
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Signature of Analyst
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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1009-2	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	2-May-01	Water supplied in PVC bottles.
Contact Person	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA30.6	PPWQ-EA30.4	PPWQ-EA42	PPWQ-EA10	PPWQ-EA2.1
Analyte		Nitrite	Nitrate	Sulfate	Chloride	Bicarbonate
Method		SP	SP	SP	SP	Titration
PQL		0.02	0.2	5	0.6	20
Precision(%CV)**		<8%	<8%	<8%	<8%	<8%
Accuracy(%Recovery)**		90% - 110%	90% - 110%	90% - 110%	90% - 110%	90% - 110%
Unit		mg/L	mg/L	mg/L	mg/L	mg CaCO3/L
User Sample ID	Laboratory Sample ID	NO2	NO3	SO4	Cl	HCO3
Im-CdBd-3-1M-OI	EA20010502001	<PQL	2.93	<PQL	1.66	351.0
Im-CdBd-2-1M-OI	EA20010502002	2.32	2.59	<PQL	1.01	341.3
Im-CdBd-1-1M-OI	EA20010502003	<PQL	3.78	<PQL	0.93	356.9
OW-JD-1-BP-15APR-OI	EA20010502004	<PQL	0.49	<PQL	3.24	507.0
OW-JH-1-BP-OI	EA20010502005	<PQL	0.46	<PQL	3.28	489.5
OW-JH-1-CP-48h-OI	EA20010502006	<PQL	0.41	<PQL	1.46	499.2
OH-JH-1-4-BP-OI	EA20010502007	<PQL	0.24	<PQL	1.13	479.7
OH-JH-1-4-SIP-30min-OI	EA20010502008	<PQL	0.26	<PQL	1.52	487.5
OH-JH-1-4-SIP-140min-OI	EA20010502009	<PQL	0.36	<PQL	2.44	493.4
OH-JH-1-3-BP-OI	EA20010502010	1.05	1.64	19.04	7.04	386.8
OH-JH-1-3-SIP-30min-OI	EA20010502011	<PQL	1.43	16.55	7.24	390.0
OH-JH-1-3-SIP-140min-OI	EA20010502012	<PQL	1.2	15.44	4.47	390.0
OH-JH-1-2-BP-OI	EA20010502013	<PQL	0.69	<PQL	2.62	370.5
OH-JH-1-2-SIP-30min-OI	EA20010502014	0.09	1.84	<PQL	3.74	370.5
OH-JH-1-2-SIP-140min-OI	EA20010502015	1.39	1.20	<PQL	3.67	370.5
OH-JH-1-1-BP-OI	EA20010502016	0.53	1.01	13.07	3.28	269.1
OH-JH-1-1-SIP-30min-OI	EA20010502017	0.65	0.79	<PQL	5.28	269.1
OH-JH-1-1-SIP-140min-OI	EA20010502018	0.65	0.68	<PQL	8.49	273.0
OW-CH-1-1M-OI	EA20010502019	<PQL	0.29	<PQL	1.48	409.5
CB2-CHBd-2M-OI	EA20010502020	<PQL	<PQL	<PQL	1.29	273.0
OW-CH-2-OM-OI	EA20010502021	<PQL	0.84	<PQL	7.62	409.5
Im-JhKc-2-2M-OI	EA20010502022	<PQL	0.81	<PQL	2.41	532.4
Im-JhKc-3-2M-OI	EA20010502023	<PQL	3.59	<PQL	1.10	525.0
Total No. of Samples	23					
Total No. of Services		23	23	23	23	23

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorptiqn Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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Signature of Analyst
(Mala Khan)

Form:QF-5.12-ver.1.0

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1009-3	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	2-May-01	Water supplied in PVC bottles.
Contact Person	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA24.1	PPWQ-EA28	PPWQ-EA20.1	PPWQ-EA7	PPWQ-EA40
Analyte		Fluoride	Hardness	Free CN	COD	TDS
Method		SP	Standard	SP	CR titration	Standard
PQL		0.1	0.5	0.009	20	0.13
Precision(%CV)**		<8%	<5%	<10%	<5%	<10%
Accuracy(%Recovery)**		90% - 110%	90% - 110%	90% - 110%	90% - 110%	85% - 115%
Unit		mg/L	mg CaCO3/L	mg/L	mg O2/L	mg/L
User Sample ID	Laboratory Sample ID	F	Hardn.	CN	COD	TDS
Im-CdBd-3-1M-OI	EA20010502001	0.36	109.33	<PQL	<PQL	349.63
Im-CdBd-2-1M-OI	EA20010502002	0.32	111.56	<PQL	<PQL	354.56
Im-CdBd-1-1M-OI	EA20010502003	0.39	115.59	<PQL	<PQL	370.11
OW-JD-1-BP-15APR-OI	EA20010502004	0.26	143.05	<PQL	<PQL	408.77
OW-JH-1-BP-OI	EA20010502005	0.32	140.52	<PQL	<PQL	491.78
OW-JH-1-CP-48h-OI	EA20010502006	0.25	145.90	<PQL	<PQL	500.67
OH-JH-1-4-BP-OI	EA20010502007	0.34	137.17	<PQL	<PQL	473.15
OH-JH-1-4-SIP-30min-OI	EA20010502008	0.29	137.51	<PQL	<PQL	484.93
OH-JH-1-4-SIP-140min-OI	EA20010502009	0.33	140.48	<PQL	<PQL	481.09
OH-JH-1-3-BP-OI	EA20010502010	0.35	125.28	<PQL	<PQL	420.02
OH-JH-1-3-SIP-30min-OI	EA20010502011	0.38	128.18	<PQL	<PQL	419.20
OH-JH-1-3-SIP-140min-OI	EA20010502012	0.38	126.88	<PQL	<PQL	417.28
OH-JH-1-2-BP-OI	EA20010502013	0.29	109.12	<PQL	<PQL	385.47
OH-JH-1-2-SIP-30min-OI	EA20010502014	0.35	115.30	<PQL	<PQL	388.29
OH-JH-1-2-SIP-140min-OI	EA20010502015	0.30	120.54	<PQL	<PQL	400.70
OH-JH-1-1-BP-OI	EA20010502016	0.50	92.56	<PQL	<PQL	296.13
OH-JH-1-1-SIP-30min-OI	EA20010502017	0.51	90.83	<PQL	<PQL	303.17
OH-JH-1-1-SIP-140min-OI	EA20010502018	0.53	91.02	<PQL	<PQL	305.92
OW-CH-1-1M-OI	EA20010502019	0.16	132.79	<PQL	<PQL	415.36
CB2-CHBd-2M-OI	EA20010502020	0.11	67.64	<PQL	39.04	279.36
OW-CH-2-OM-OI	EA20010502021	0.17	126.72	<PQL	19.52	414.91
Im-JhKc-2-2M-OI	EA20010502022	0.16	164.04	<PQL	<PQL	519.04
Im-JhKc-3-2M-OI	EA20010502023	0.18	164.49	<PQL	39.04	524.32
Total No. of Samples	23					
Total No. of Services		23	23	23	23	23

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GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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Signature of Analyst
(Mala Khan)

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref: PP/EA/JICASTUDY01/MK/2002/07/1009-4

Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	19-Mar-01	Water supplied in PVC bottles.
Contact Person	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA11	PPWQ-EA19	PPWQ-EA20	PPWQ-EA12	
Analyte		Sodium	Potassium	Calcium	Magnesium	
Method		FAAS	FAAS	FAAS	FAAS	
PQL		0.05	0.1	0.5	0.05	
Precision(%CV)**		<5%	<5%	<5%	<5%	
Accuracy(%Recovery)**		85% - 115%	85% - 115%	85% - 115%	85% - 115%	
Unit		mg/L	mg/L	mg/L	mg/L	
User Sample ID	Laboratory Sample ID	Sodium	Potassium	Calcium	Magnesium	
Im-CdBd-3-1M-HM	EA20010502101	6.75	3.08	87.33	22.01	
Im-CdBd-2-1M-HM	EA20010502102	6.90	3.22	89.68	21.88	
Im-CdBd-1-1M-HM	EA20010502103	6.75	3.22	92.26	23.33	
OW-JD-1-BP-15APR-HM	EA20010502104	15.45	3.82	105.22	37.82	
OW-JH-1-BP-HM	EA20010502105	13.87	4.27	102.18	38.34	
OW-JH-1-CP-48h-HM	EA20010502106	13.65	3.77	107.78	38.13	
OH-JH-1-4-BP-HM	EA20010502107	13.35	4.38	98.85	38.32	
OH-JH-1-4-SIP-30min-HM	EA20010502108	13.20	4.57	99.33	38.18	
OH-JH-1-4-SIP-140min-HM	EA20010502109	11.10	3.78	102.34	38.14	
OH-JH-1-3-BP-HM	EA20010502110	14.66	4.61	98.61	26.67	
OH-JH-1-3-SIP-30min-HM	EA20010502111	13.65	4.13	102.24	25.94	
OH-JH-1-3-SIP-140min-HM	EA20010502112	13.95	4.22	101.37	25.51	
OH-JH-1-2-BP-HM	EA20010502113	17.55	3.97	85.14	23.98	
OH-JH-1-2-SIP-30min-HM	EA20010502114	14.25	3.65	91.52	23.78	
OH-JH-1-2-SIP-140min-HM	EA20010502115	11.88	3.83	95.89	24.66	
OH-JH-1-1-BP-OI	EA20010502116	14.85	2.98	68.03	24.53	
OH-JH-1-1-SIP-30min-HM	EA20010502117	10.76	2.62	73.56	17.27	
OH-JH-1-1-SIP-140min-HM	EA20010502118	10.71	2.60	73.69	17.33	
OW-CH-1-1M-HM	EA20010502119	10.22	6.28	104.34	28.45	
CB2-CHBd-2M-HM	EA20010502120	14.30	4.72	34.77	32.87	
OW-CH-2-OM-HM	EA20010502121	11.29	4.58	95.55	31.17	
Im-JhKc-2-2M-HM	EA20010502122	13.88	4.84	134.49	29.54	
Im-JhKc-3-2M-HM	EA20010502123	14.16	5.27	134.11	30.38	
Total No. of Samples	18					
Total No. of Services		18	18	18	24	

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ug/L: microgram per litre
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SP: UV-VIS Spectroscopy
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GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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Signature of Analyst
(Mala Khan)

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1009-5	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	2-May-01	Water supplied in PVC bottles.
Contact Person	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA34	PPWQ-EA24	PPWQ-EA16	PPWQ-EA82	PPWQ-EA29
Analyte		Nickel	Total Cr	Zinc	Lead	Copper
Method		GFAAS	GFAAS	Extraction / FAAS	GFAAS	GFAAS
PQL		5.00	10.00	5.00	5.00	5.00
Precision(%CV)**		<10%	<10%	<10%	<10%	<10%
Accuracy(%Recovery)**		85% - 115%	85% - 115%	85% - 115%	80% - 120%	85% - 115%
Unit		ug/L	ug/L	ug/L	ug/L	ug/L
User Sample ID	Laboratory Sample ID	Nickel	Total Cr	Zinc	Lead	Copper
Im-CdBd-3-1M-HM	EA20010502101	<PQL	<PQL	175.7	9.3	<PQL
Im-CdBd-2-1M-HM	EA20010502102	<PQL	<PQL	150.6	4.7	4.0
Im-CdBd-1-1M-HM	EA20010502103	<PQL	<PQL	121.1	3.8	<PQL
OW-JD-1-BP-15APR-HM	EA20010502104	<PQL	<PQL	125.2	6.1	5.0
OW-JH-1-BP-HM	EA20010502105	4.8	<PQL	60.3	5.0	<PQL
OW-JH-1-CP-48h-HM	EA20010502106	6.3	<PQL	16.3	11.3	<PQL
OH-JH-1-4-BP-HM	EA20010502107	9.2	8.4	6.3	13.2	<PQL
OH-JH-1-4-SIP-30min-HM	EA20010502108	6.9	7.7	3.5	<PQL	<PQL
OH-JH-1-4-SIP-140min-HM	EA20010502109	5.7	<PQL	165.8	<PQL	<PQL
OH-JH-1-3-BP-HM	EA20010502110	<PQL	<PQL	4.4	<PQL	4.7
OH-JH-1-3-SIP-30min-HM	EA20010502111	<PQL	<PQL	14.9	<PQL	4.7
OH-JH-1-3-SIP-140min-HM	EA20010502112	<PQL	<PQL	11.4	<PQL	<PQL
OH-JH-1-2-BP-HM	EA20010502113	<PQL	<PQL	9.4	<PQL	<PQL
OH-JH-1-2-SIP-30min-HM	EA20010502114	<PQL	<PQL	126.1	4.6	<PQL
OH-JH-1-2-SIP-140min-HM	EA20010502115	<PQL	<PQL	13.6	<PQL	<PQL
OH-JH-1-1-BP-OI	EA20010502116	<PQL	<PQL	<PQL	<PQL	4.3
OH-JH-1-1-SIP-30min-HM	EA20010502117	<PQL	<PQL	2.9	9.7	<PQL
OH-JH-1-1-SIP-140min-HM	EA20010502118	4.9	<PQL	<PQL	11.2	6.1
OW-CH-1-1M-HM	EA20010502119	5.2	<PQL	<PQL	4.0	4.7
CB2-CHBd-2M-HM	EA20010502120	4.4	<PQL	109.6	<PQL	<PQL
OW-CH-2-OM-HM	EA20010502121	5.3	<PQL	12.4	<PQL	8.9
Im-JhKc-2-2M-HM	EA20010502122	6.2	<PQL	72.2	5.0	4.4
Im-JhKc-3-2M-HM	EA20010502123	4.2	<PQL	52.9	5.2	6.2
Total No. of Samples	23					
Total No. of Services		23	23	23	23	23

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1009-6	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	2-May-01	Water supplied in PVC bottles.
Contact Person	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA4B.1	PPWQ-EA80.1			
Analyte		Cadmium	Mercury			
Method		GFAAS	FAAS-MVU			
PQL		1.5	1.00			
Precision(%CV)**		<10%	<10%			
Accuracy(%Recovery)**		85% - 115%	85% - 115%			
Unit		ug/L	ug/L			
User Sample ID	Laboratory Sample ID	Cadmium	Mercury			
Im-CdBd-3-1M-HM	EA20010502101	<PQL	<PQL			
Im-CdBd-2-1M-HM	EA20010502102	<PQL	<PQL			
Im-CdBd-1-1M-HM	EA20010502103	<PQL	<PQL			
OW-JD-1-BP-15APR-HM	EA20010502104	<PQL	<PQL			
OW-JH-1-BP-HM	EA20010502105	<PQL	<PQL			
OW-JH-1-CP-48h-HM	EA20010502106	<PQL	<PQL			
OH-JH-1-4-BP-HM	EA20010502107	<PQL	<PQL			
OH-JH-1-4-SIP-30min-HM	EA20010502108	<PQL	<PQL			
OH-JH-1-4-SIP-140min-HM	EA20010502109	<PQL	<PQL			
OH-JH-1-3-BP-HM	EA20010502110	<PQL	<PQL			
OH-JH-1-3-SIP-30min-HM	EA20010502111	<PQL	<PQL			
OH-JH-1-3-SIP-140min-HM	EA20010502112	<PQL	<PQL			
OH-JH-1-2-BP-HM	EA20010502113	<PQL	<PQL			
OH-JH-1-2-SIP-30min-HM	EA20010502114	<PQL	<PQL			
OH-JH-1-2-SIP-140min-HM	EA20010502115	<PQL	<PQL			
OH-JH-1-1-BP-OI	EA20010502116	<PQL	<PQL			
OH-JH-1-1-SIP-30min-HM	EA20010502117	<PQL	<PQL			
OH-JH-1-1-SIP-140min-HM	EA20010502118	<PQL	<PQL			
OW-CH-1-1M-HM	EA20010502119	<PQL	<PQL			
CB2-CHBd-2M-HM	EA20010502120	<PQL	<PQL			
OW-CH-2-OM-HM	EA20010502121	<PQL	<PQL			
Im-JhKc-2-2M-HM	EA20010502122	<PQL	<PQL			
Im-JhKc-3-2M-HM	EA20010502123	<PQL	<PQL			
Total No. of Samples	23					
Total No. of Services		23	23			

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1009-7	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	2-May-01	Water supplied in PVC bottles.
Contact Person	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA26	PPWQ-EA25			
Analyte		Dissolved Fe	Dissolved Mn			
Method		FAAS	FAAS			
PQL		0.2	0.08			
Precision(%CV)**		6%	5%			
Accuracy(%Recovery)**		90% - 110%	85% - 115%			
Unit		mg/L	mg/L			
User Sample ID	Laboratory Sample ID	Dissolved Fe	Dissolved Mn			
Im-CdBd-3-1M-FeMn	EA20010502201	2.36	0.22			
Im-CdBd-2-1M-FeMn	EA20010502202	2.46	0.20			
Im-CdBd-1-1M-FeMn	EA20010502203	2.58	0.25			
OW-JD-1-BP-15APR-FeMn	EA20010502204	6.93	0.22			
OW-JH-1-BP-FeMn	EA20010502205	15.48	0.18			
OW-JH-1-CP-48h-FeMn	EA20010502206	3.64	0.10			
OH-JH-1-4-BP-FeMn	EA20010502207	3.64	0.09			
OH-JH-1-4-SIP-30min-FeMn	EA20010502208	2.29	0.07			
OH-JH-1-4-SIP-140min-FeMn	EA20010502209	2.34	0.05			
OH-JH-1-3-BP-FeMn	EA20010502210	4.19	0.06			
OH-JH-1-3-SIP-30min-FeMn	EA20010502211	2.21	0.15			
OH-JH-1-3-SIP-140min-FeMn	EA20010502212	1.93	0.14			
OH-JH-1-2-BP-FeMn	EA20010502213	3.62	0.40			
OH-JH-1-2-SIP-30min-FeMn	EA20010502214	2.45	0.25			
OH-JH-1-2-SIP-140min-FeMn	EA20010502215	2.20	0.25			
OH-JH-1-1-BP-FeMn	EA20010502216	2.55	0.35			
OH-JH-1-1-SIP-30min-FeMn	EA20010502217	2.90	0.33			
OH-JH-1-1-SIP-140min-FeMn	EA20010502218	2.88	0.31			
OW-CH-1-1M-FeMn	EA20010502219	16.28	<PQL			
CB2-CHBd-2M-FeMn	EA20010502220	0.79	<PQL			
OW-CH-2-OM-FeMn	EA20010502221	9.10	0.04			
Im-JhKc-2-2M-FeMn	EA20010502222	2.27	<PQL			
Im-JhKc-3-2M-FeMn	EA20010502223	3.60	<PQL			
Total No. of Samples	23					
Total No. of Services		23	23			

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1010-1	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	27-May-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA34.1	PPWQ-EA34	PPWQ-EA16	PPWQ-EA34.1	PPWQ-EA30.1
Analyte		Temperature	pH	Conductivity	at Temperature	Ammonium
Method		Thermometer	pH meter	Conductivity meter	Thermometer	SP
PQL		0 Deg C	0	0.2	0	0.1
Precision(%CV)**		<8%	<8%	<8%	<8%	<8%
Accuracy(%Recovery)**		90% - 110%	90% - 110%	90% -110%	90% - 110%	90% - 110%
Unit		Deg C		uS/cm	Deg C	mg/L
User Sample ID	Laboratory Sample ID	T (deg C)	pH	EC	at T(deg C)	NH4 (mg/L)
Im-JhKc-1-2M-OI	EA20010527001	30.90	7.26	682.30	30.40	5.43
CB-JhKc-BP-OI	EA20010527002	31.30	7.73	643.70	30.10	1.49
CB-JhKc-SIP-30min-OI	EA20010527003	31.20	7.38	644.30	30.10	1.42
CB-JhKc-SIP-140min-OI	EA20010527004	31.30	7.35	654.00	30.20	<PQL
CB-JsRb-BP-OI	EA20010527005	31.10	8.13	581.60	30.20	<PQL
CB-JsRb-SIP-30min-OI	EA20010527006	30.90	7.89	554.00	30.00	0.10
CB-JsRb-SIP-140min-OI	EA20010527007	31.00	7.87	572.00	30.10	<PQL
Im-CdBd-1-2M-OI	EA20010527008	31.30	7.23	501.70	30.10	0.11
Im-CdBd-2-2M-OI	EA20010527009	31.30	7.23	500.00	30.40	<PQL
Im-CdBd-3-2M-OI	EA20010527010	31.20	7.42	503.90	30.10	1.00
Total No. of Samples	10					
Total No. of Services		10	10	10		10

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

** The Precision & Accuracy are defined only for the laboratory process not for the sampling, transporting and storage processes.

Signature of Analyst
(Mala Khan)

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1010-2	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	27-May-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA30.6	PPWQ-EA30.4	PPWQ-EA42	PPWQ-EA10	PPWQ-EA2.1
Analyte		Nitrite	Nitrate	Sulfate	Chloride	Bicarbonate
Method		SP	SP	SP	SP	Titration
PQL		0.02	0.2	5	0.6	20
Precision(%CV)**		<8%	<8%	<8%	<8%	<8%
Accuracy(%Recovery)**		90% - 110%	90% - 110%	90% - 110%	90% - 110%	90% - 110%
Unit		mg/L	mg/L	mg/L	mg/L	mg CaCO3/L
User Sample ID	Laboratory Sample ID	NO2 (mg/L)	NO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	HCO3 (mg CaCO3/L)
Im-JhKc-1-2M-OI	EA20010527001	<PQL	<PQL	<PQL	1.73	556.70
CB-JhKc-BP-OI	EA20010527002	<PQL	<PQL	<PQL	2.99	505.40
CB-JhKc-SIP-30min-OI	EA20010527003	<PQL	<PQL	<PQL	3.81	499.70
CB-JhKc-SIP-140min-OI	EA20010527004	<PQL	1.95	<PQL	8.05	505.40
CB-JsRb-BP-OI	EA20010527005	<PQL	2.02	<PQL	35.24	328.70
CB-JsRb-SIP-30min-OI	EA20010527006	<PQL	2.20	<PQL	24.78	323.00
CB-JsRb-SIP-140min-OI	EA20010527007	<PQL	1.98	<PQL	33.78	336.30
Im-CdBd-1-2M-OI	EA20010527008	1.04	2.59	<PQL	1.75	345.80
Im-CdBd-2-2M-OI	EA20010527009	2.49	2.65	<PQL	1.61	332.50
Im-CdBd-3-2M-OI	EA20010527010	<PQL	<PQL	<PQL	1.67	340.70
Total No. of Samples	10					
Total No. of Services		10	10	10	10	10

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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(Mala Khan)

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref: PP/EA/JICASTUDY01/MK/2002/07/1010-3

Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	27-May-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA24.1	PPWQ-EA28	PPWQ-EA20.1	PPWQ-EA7	PPWQ-EA40
Analyte		Fluoride	Hardness	Free CN	COD	TDS
Method		SP	Standard	SP	CR titration	Standard
PQL		0.1	0.5	0.009	20	0.13
Precision(%CV)**		<8%	<5%	<10%	<5%	<10%
Accuracy(%Recovery)**		90% - 110%	90% - 110%	90% - 110%	90% - 110%	85% - 115%
Unit		mg/L	mg CaCO3/L	mg/L	mg O2/L	mg/L
User Sample ID	Laboratory Sample ID	F (mg/L)	Hardn.	CN (mg/L)	COD (mg/L)	TDS
Im-JhKc-1-2M-OI	EA20010527001	0.27	152.67	0.02	<PQL	436.72
CB-JhKc-BP-OI	EA20010527002	0.16	144.36	<PQL	19.36	411.97
CB-JhKc-SIP-30min-OI	EA20010527003	0.19	144.11	0.01	<PQL	412.35
CB-JhKc-SIP-140min-OI	EA20010527004	0.22	137.72	<PQL	27.10	418.56
CB-JsRb-BP-OI	EA20010527005	0.32	37.44	<PQL	38.72	372.22
CB-JsRb-SIP-30min-OI	EA20010527006	0.32	47.42	0.01	38.72	354.56
CB-JsRb-SIP-140min-OI	EA20010527007	0.32	40.53	<PQL	38.72	366.08
Im-CdBd-1-2M-OI	EA20010527008	0.34	101.90	<PQL	<PQL	321.09
Im-CdBd-2-2M-OI	EA20010527009	0.40	101.11	0.01	<PQL	320.00
Im-CdBd-3-2M-OI	EA20010527010	0.37	100.42	0.01	<PQL	322.50
Total No. of Samples	10					
Total No. of Services		10	10	10	10	10

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1010-4	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	27-May-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA11	PPWQ-EA19	PPWQ-EA20	PPWQ-EA12	
Analyte		Sodium	Potassium	Calcium	Magnesium	
Method		FAAS	FAAS	FAAS	FAAS	
PQL		0.05	0.1	0.5	0.05	
Precision(%CV)**		<5%	<5%	<5%	<5%	
Accuracy(%Recovery)**		85% - 115%	85% - 115%	85% - 115%	85% - 115%	
Unit		mg/L	mg/L	mg/L	mg/L	
User Sample ID	Laboratory Sample ID	Sodium Na (mg/L)	Potassium K (mg/L)	Calcium Ca (mg/L)	Magnesium Mg (mg/L)	
Im-JhKc-1-2M-OI	EA20010527101	25.62	6.17	122.23	30.44	
CB-JhKc-BP-OI	EA20010527102	18.06	4.62	115.54	28.82	
CB-JhKc-SIP-30min-OI	EA20010527103	22.92	5.01	114.88	29.23	
CB-JhKc-SIP-140min-OI	EA20010527104	35.23	6.05	108.37	29.35	
CB-JsRb-BP-OI	EA20010527105	99.56	3.30	20.88	16.56	
CB-JsRb-SIP-30min-OI	EA20010527106	87.21	7.44	25.68	21.74	
CB-JsRb-SIP-140min-OI	EA20010527107	94.49	4.19	23.69	16.86	
Im-CdBd-1-2M-OI	EA20010527108	11.63	4.22	80.17	21.72	
Im-CdBd-2-2M-OI	EA20010527109	11.83	4.21	79.64	21.47	
Im-CdBd-3-2M-OI	EA20010527110	14.70	3.12	79.73	20.69	
Total No. of Samples	10					
Total No. of Services		10	10	10	10	

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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Signature of Analyst
(Mala Khan)

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1010-5	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	27-May-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA34	PPWQ-EA24	PPWQ-EA16	PPWQ-EA82	PPWQ-EA29
Analyte		Nickel	Total Cr	Zinc	Lead	Copper
Method		GFAAS	GFAAS	Extraction / FAAS	GFAAS	GFAAS
PQL		5.00	10.00	5.00	5.00	5.00
Precision (%CV) **		<10%	<10%	<10%	<10%	<10%
Accuracy (%Recovery) **		85% - 115%	85% - 115%	85% - 115%	80% - 120%	85% - 115%
Unit		ug/L	ug/L	ug/L	ug/L	ug/L
User Sample ID	Laboratory Sample ID	Nickel	Total Cr	Zinc	Lead	Copper
Im-JhKc-1-2M-OI	EA20010527101	4.96	<PQL	<PQL	<PQL	<PQL
CB-JhKc-BP-OI	EA20010527102	<PQL	<PQL	<PQL	<PQL	<PQL
CB-JhKc-SIP-30min-OI	EA20010527103	<PQL	<PQL	<PQL	<PQL	<PQL
CB-JhKc-SIP-140min-OI	EA20010527104	7.14	<PQL	11.32	<PQL	<PQL
CB-JsRb-BP-OI	EA20010527105	<PQL	<PQL	<PQL	6.21	5.32
CB-JsRb-SIP-30min-OI	EA20010527106	18.00	<PQL	<PQL	<PQL	<PQL
CB-JsRb-SIP-140min-OI	EA20010527107	<PQL	<PQL	<PQL	<PQL	<PQL
Im-CdBd-1-2M-OI	EA20010527108	<PQL	<PQL	<PQL	<PQL	4.96
Im-CdBd-2-2M-OI	EA20010527109	<PQL	<PQL	9.23	<PQL	<PQL
Im-CdBd-3-2M-OI	EA20010527110	<PQL	<PQL	4.68	<PQL	<PQL
Total No. of Samples	10					
Total No. of Services		10	10	10	10	10

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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Signature of Analyst
(Mala Khan)

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1010-6	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	27-May-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA48.1	PPWQ-EA80.1			
Analyte		Cadmium	Mercury			
Method		GFAAS	FAAS-MVU			
PQL		1.5	1.00			
Precision(%CV)**		<10%	<10%			
Accuracy(%Recovery)**		85% - 115%	85% - 115%			
Unit		ug/L	ug/L			
User Sample ID	Laboratory Sample ID	Cadmium	Mercury			
Im-JhKc-1-2M-OI	EA20010527101	<PQL	<PQL			
CB-JhKc-BP-OI	EA20010527102	<PQL	<PQL			
CB-JhKc-SIP-30min-OI	EA20010527103	<PQL	<PQL			
CB-JhKc-SIP-140min-OI	EA20010527104	<PQL	<PQL			
CB-JsRb-BP-OI	EA20010527105	<PQL	<PQL			
CB-JsRb-SIP-30min-OI	EA20010527106	<PQL	<PQL			
CB-JsRb-SIP-140min-OI	EA20010527107	<PQL	<PQL			
Im-CdBd-1-2M-OI	EA20010527108	<PQL	<PQL			
Im-CdBd-2-2M-OI	EA20010527109	<PQL	<PQL			
Im-CdBd-3-2M-OI	EA20010527110	<PQL	<PQL			
Total No. of Samples	10					
Total No. of Services		10	10			

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref: PP/EA/JICASTUDY01/MK/2002/07/1010-7

Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	27-May-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA26	PPWQ-EA25			
Analyte		Dissolved Fe	Dissolved Mn			
Method		FAAS	FAAS			
PQL		0.2	0.08			
Precision(%CV)**		6%	5%			
Accuracy(%Recovery)**		90% - 110%	85% - 115%			
Unit		mg/L	mg/L			
User Sample ID	Laboratory Sample ID	Dissolved Fe	Dissolved Mn			
Im-JhKc-1-2M-FeMn	EA20010527201	9.81	0.46			
CB-JhKc-BP-FeMn	EA20010527202	12.22	0.14			
CB-JhKc-SIP-30min-FeMn	EA20010527203	3.58	<PQL			
CB-JhKc-SIP-140min-FeMn	EA20010527204	1.75	<PQL			
CB-JsRb-BP-FeMn	EA20010527205	<PQL	<PQL			
CB-JsRb-SIP-30min-FeMn	EA20010527206	<PQL	<PQL			
CB-JsRb-SIP-140min-FeMn	EA20010527207	0.23	<PQL			
Im-CdBd-1-2M-FeMn	EA20010527208	2.80	0.19			
Im-CdBd-2-2M-FeMn	EA20010527209	2.12	0.15			
Im-CdBd-3-2M-FeMn	EA20010527210	2.23	0.13			
Total No. of Samples	10					
Total No. of Services		10	10			

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1010-8	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	27-May-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

ANION-CATION BALANCE* SHEET

User Sample ID	Laboratory Sample ID	Total Anions (meq/L)	Total Cations (meq/L)	% (=Anion-Cation Ratio*100)
Im-JhKc-1-2M	EA20010527101	9.24	10.46	88.31
CB-JhKc-BP	EA20010527102	8.43	9.21	91.54
CB-JhKc-SIP-30min	EA20010527103	8.36	9.43	88.63
CB-JhKc-SIP-140min	EA20010527104	8.61	9.66	89.11
CB-JsRb-BP	EA20010527105	6.48	6.85	94.63
CB-JsRb-SIP-30min	EA20010527106	6.10	7.46	81.69
CB-JsRb-SIP-140min	EA20010527107	6.57	6.82	96.32
Im-CdBd-1-2M	EA20010527108	5.87	6.66	88.25
Im-CdBd-2-2M	EA20010527109	5.72	6.39	89.51
Im-CdBd-3-2M	EA20010527110	5.70	6.60	86.45

*Anion sums and cation sums are calculated based on the major anionic and cationic contributions.

Total No. of Samples	10
Total No. of Services	

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1011-1	Date:July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	27-Jun-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA34.1	PPWQ-EA34	PPWQ-EA16	PPWQ-EA34.1	PPWQ-EA30.1
Analyte		Temperature	pH	Conductivity	at Temperature	Ammonium
Method		Thermometer	pH meter	Conductivity meter	Thermometer	SP
PQL		0 Deg C	0	0.2	0	0.1
Precision(%CV)**		<8%	<8%	<8%	<8%	<8%
Accuracy(%Recovery)**		90% - 110%	90% - 110%	90% -110%	90% - 110%	90% - 110%
Unit		Deg C		uS/cm	Deg C	mg/L
User Sample ID	Laboratory Sample ID	T (deg C)	pH	EC	at T(deg C)	NH4 (mg/L)
OW-JH-2-BP-OI	EA20010627001	31.30	7.30	614.70	30.20	<PQL
OW-JH-2-CP-48h-OI	EA20010627002	30.70	7.64	612.00	30.30	0.18
OW-JH-2-CP-48h-(B)-OI	EA20010627003	30.50	6.22	3.30	30.40	<PQL
OH-JH-2-1-BP-OI	EA20010627004	31.40	7.32	520.70	30.80	<PQL
OH-JH-2-1-SIP-30min-OI	EA20010627005	31.00	7.34	463.50	31.00	0.13
OH-JH-2-1-SIP-140min-OI	EA20010627006	31.40	7.40	499.00	31.00	<PQL
OH-JH-2-1-SIP-140min-(D)-OI	EA20010627007	31.20	7.27	399.00	30.70	<PQL
OH-JH-2-2-BP-OI	EA20010627008	31.40	7.26	618.00	30.90	0.35
OH-JH-2-2-SIP-30min-OI	EA20010627009	31.20	7.45	540.70	30.70	0.13
OH-JH-2-2-SIP-140min-OI	EA20010627010	31.60	7.38	539.00	30.60	0.13
OH-JH-2-3-BP-OI	EA20010627011	32.00	7.36	582.70	31.40	0.14
OH-JH-2-3-SIP-30min-OI	EA20010627012	31.30	7.28	603.30	31.00	0.12
OH-JH-2-3-SIP-140min-OI	EA20010627013	31.50	7.19	379.30	31.10	0.12
OH-JH-2-4-BP-OI	EA20010627014	31.20	7.88	490.30	31.10	0.11
OH-JH-2-4-SIP-30min-OI	EA20010627015	31.60	7.17	577.70	31.30	<PQL
OH-JH-2-4-SIP-140min-(B)-OI	EA20010627016	31.50	4.90	3.90	31.20	<PQL
OH-JH-2-4-SIP-140min-OI	EA20010627017	31.50	7.09	414.00	31.10	<PQL
OH-JH-2-4-SIP-140min-(D)-OI	EA20010627018	31.00	7.22	614.70	30.70	<PQL
OW-JH-1-1M-OI	EA20010627019	31.00	7.36	598.70	30.40	<PQL
OW-CH-1-3M-OI	EA20010627020	31.20	7.24	634.10	30.80	<PQL
OW-JH-2-2M-OI	EA20010627021	30.80	8.49	320.70	30.40	<PQL
Im-JhKc-3-3M-OI	EA20010627022	30.90	7.09	659.00	30.30	4.70
Im-JhKc-2-3M-OI	EA20010627023	30.90	7.23	660.30	30.60	1.46
Im-JhKc-1-3M-OI	EA20010627024	30.80	7.21	686.00	30.50	4.48
CB-JhKc-1M-OI	EA20010627025	31.00	8.78	863.50	30.60	0.70
Total No. of Samples	25					
Total No. of Services		25	25	25		25

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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Signature of Analyst
(Mala Khan)

Form:QP-5.12-ver.1.0

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1011-2	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	27-Jun-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA30.6	PPWQ-EA30.4	PPWQ-EA42	PPWQ-EA10	PPWQ-EA2.1
Analyte		Nitrite	Nitrate	Sulfate	Chloride	Bicarbonate
Method		SP	SP	SP	SP	Titration
PQL		0.02	0.2	5	0.6	20
Precision(%CV)**		<8%	<8%	<8%	<8%	<8%
Accuracy(%Recovery)**		90% - 110%	90% - 110%	90% - 110%	90% - 110%	90% - 110%
Unit		mg/L	mg/L	mg/L	mg/L	mg CaCO3/L
User Sample ID	Laboratory Sample ID	NO2 (mg/L)	NO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	HCO3 (mg CaCO3/L)
OW-JH-2-BP-OI	EA20010627001	0.10	<PQL	<PQL	2.65	467.40
OW-JH-2-CP-48h-OI	EA20010627002	<PQL	<PQL	<PQL	9.32	456.00
OW-JH-2-CP-48h-(B)-OI	EA20010627003	<PQL	<PQL	<PQL	<PQL	3.80
OH-JH-2-1-BP-OI	EA20010627004	<PQL	0.52	<PQL	7.46	357.20
OH-JH-2-1-SIP-30min-OI	EA20010627005	<PQL	2.16	<PQL	5.53	275.50
OH-JH-2-1-SIP-140min-OI	EA20010627006	<PQL	0.74	<PQL	6.73	336.30
OH-JH-2-1-SIP-140min-D-OI	EA20010627007	<PQL	0.75	<PQL	5.54	330.00
OH-JH-2-2-BP-OI	EA20010627008	<PQL	<PQL	<PQL	20.91	362.90
OH-JH-2-2-SIP-30min-OI	EA20010627009	<PQL	0.43	<PQL	11.16	361.00
OH-JH-2-2-SIP-140min-OI	EA20010627010	0.20	0.51	<PQL	8.81	285.00
OH-JH-2-3-BP-OI	EA20010627011	<PQL	1.22	<PQL	3.16	399.00
OH-JH-2-3-SIP-30min-OI	EA20010627012	0.64	1.06	<PQL	3.38	427.00
OH-JH-2-3-SIP-140min-OI	EA20010627013	0.47	<PQL	<PQL	2.53	222.30
OH-JH-2-4-BP-OI	EA20010627014	<PQL	<PQL	<PQL	16.31	304.00
OH-JH-2-4-SIP-30min-OI	EA20010627015	0.26	0.46	<PQL	2.81	345.80
OH-JH-2-4-SIP-140min-B-OI	EA20010627016	<PQL	<PQL	<PQL	<PQL	3.80
OH-JH-2-4-SIP-140min-OI	EA20010627017	0.26	<PQL	<PQL	1.69	247.00
OH-JH-2-4-SIP-140min-D-OI	EA20010627018	0.43	<PQL	<PQL	<PQL	461.70
OW-JH-1-1M-OI	EA20010627019	<PQL	<PQL	<PQL	5.72	452.20
OW-CH-1-3M-OI	EA20010627020	<PQL	0.59	<PQL	<PQL	476.30
OW-JH-2-2M-OI	EA20010627021	<PQL	<PQL	<PQL	7.87	190.00
Im-JhKc-3-3M-OI	EA20010627022	<PQL	<PQL	<PQL	1.47	522.50
Im-JhKc-2-3M-OI	EA20010627023	<PQL	<PQL	<PQL	2.60	535.00
Im-JhKc-1-3M-OI	EA20010627024	<PQL	<PQL	<PQL	2.83	524.40
CB-JhKc-1M-OI	EA20010627025	<PQL	<PQL	<PQL	96.03	441.80
Total No. of Samples	25					
Total No. of Services		25	25	25	25	25

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
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GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
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Signature of Analyst
(Mala Khan)

Form:QF-5.12-ver.1.0

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1011-3	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	27-Jun-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA24.1	PPWQ-EA28	PPWQ-EA20.1	PPWQ-EA7	PPWQ-EA40
Analyte		Fluoride	Hardness	Free CN	COD	TDS
Method		SP	Standard	SP	CR titration	Standard
PQL		0.1	0.5	0.009	20	0.13
Precision(%CV)**		<8%	<5%	<10%	<5%	<10%
Accuracy(%Recovery)**		90% - 110%	90% - 110%	90% - 110%	90% - 110%	85% - 115%
Unit		mg/L	mg CaCO3/L	mg/L	mg O2/L	mg/L
User Sample ID	Laboratory Sample ID	F (mg/L)	Hardn.(mg CaCO3/L)	CN (mg/L)	COD (mg/L)	TDS (mg/L)
OW-JH-2-BP-OI	EA20010627001	0.36	134.30	<PQL	<PQL	307.35
OW-JH-2-CP-48h-OI	EA20010627002	0.30	134.52	<PQL	<PQL	306.00
OW-JH-2-CP-48h-(B)-OI	EA20010627003	0.10	<PQL	<PQL	<PQL	1.65
OH-JH-2-1-BP-OI	EA20010627004	0.33	99.66	<PQL	<PQL	260.35
OH-JH-2-1-SIP-30min-OI	EA20010627005	0.33	92.56	<PQL	<PQL	231.75
OH-JH-2-1-SIP-140min-OI	EA20010627006	0.39	100.94	<PQL	<PQL	249.50
OH-JH-2-1-SIP-140min-D-OI	EA20010627007	0.29	102.55	0.016	<PQL	199.50
OH-JH-2-2-BP-OI	EA20010627008	0.51	99.09	0.011	<PQL	309.00
OH-JH-2-2-SIP-30min-OI	EA20010627009	0.40	104.40	<PQL	<PQL	270.35
OH-JH-2-2-SIP-140min-OI	EA20010627010	0.34	99.30	<PQL	<PQL	269.50
OH-JH-2-3-BP-OI	EA20010627011	0.33	127.29	0.016	<PQL	291.35
OH-JH-2-3-SIP-30min-OI	EA20010627012	0.34	122.78	<PQL	<PQL	301.65
OH-JH-2-3-SIP-140min-OI	EA20010627013	0.23	123.46	<PQL	<PQL	189.65
OH-JH-2-4-BP-OI	EA20010627014	0.27	53.78	<PQL	<PQL	245.15
OH-JH-2-4-SIP-30min-OI	EA20010627015	0.33	111.83	<PQL	<PQL	288.85
OH-JH-2-4-SIP-140min-B-OI	EA20010627016	<PQL	<PQL	<PQL	<PQL	1.95
OH-JH-2-4-SIP-140min-OI	EA20010627017	0.20	120.80	<PQL	<PQL	207.00
OH-JH-2-4-SIP-140min-D-OI	EA20010627018	0.37	121.85	0.018	<PQL	307.35
OW-JH-1-1M-OI	EA20010627019	0.27	113.58	<PQL	<PQL	299.35
OW-CH-1-3M-OI	EA20010627020	0.23	136.35	<PQL	<PQL	317.05
OW-JH-2-2M-OI	EA20010627021	<PQL	39.30	<PQL	<PQL	160.35
Im-JhKc-3-3M-OI	EA20010627022	0.27	145.75	<PQL	<PQL	329.50
Im-JhKc-2-3M-OI	EA20010627023	0.15	143.85	<PQL	<PQL	330.15
Im-JhKc-1-3M-OI	EA20010627024	0.18	148.75	<PQL	27.1	343.00
CB-JhKc-1M-OI	EA20010627025	0.60	5.78	<PQL	39.04	431.75
Total No. of Samples	25					
Total No. of Services		25	25	25	25	25

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
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Signature of Analyst
(Mala Khan)

Form:QF-5.12-ver.1.0

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref: PP/EA/JICASTUDY01/MK/2002/07/1011-4

Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	27-Jun-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA11	PPWQ-EA19	PPWQ-EA20	PPWQ-EA12	
Analyte		Sodium	Potassium	Calcium	Magnesium	
Method		FAAS	FAAS	FAAS	FAAS	
PQL		0.05	0.1	0.5	0.05	
Precision(%CV)**		<5%	<5%	<5%	<5%	
Accuracy(%Recovery)**		85% - 115%	85% - 115%	85% - 115%	85% - 115%	
Unit		mg/L	mg/L	mg/L	mg/L	
User Sample ID	Laboratory Sample ID	Sodium Na (mg/L)	Potassium K (mg/L)	Calcium Ca (mg/L)	Magnesium Mg (mg/L)	
OW-JH-2-BP-HM	EA20010627101	14.35	3.94	97.39	36.91	
OW-JH-2-CP-48h-HM	EA20010627102	15.03	4.08	98.49	36.03	
OW-JH-2-CP-48h-(B)-HM	EA20010627103	<PQL	0.42	<PQL	<PQL	
OH-JH-2-1-BP-HM	EA20010627104	38.34	3.80	82.04	17.62	
OH-JH-2-1-SIP-30min-HM	EA20010627105	18.02	3.77	77.40	15.15	
OH-JH-2-1-SIP-140min-HM	EA20010627106	19.72	3.12	84.67	16.27	
OH-JH-2-1-SIP-140min-D-HM	EA20010627107	14.47	3.10	86.56	16.00	
OH-JH-2-2-BP-HM	EA20010627108	55.16	4.85	80.61	18.48	
OH-JH-2-2-SIP-30min-HM	EA20010627109	34.44	4.14	86.48	17.92	
OH-JH-2-2-SIP-140min-OI	EA20010627110	14.71	4.08	83.45	15.84	
OH-JH-2-3-BP-HM	EA20010627111	19.43	4.27	105.08	22.22	
OH-JH-2-3-SIP-30min-HM	EA20010627112	23.13	4.20	100.29	22.49	
OH-JH-2-3-SIP-140min-HM	EA20010627113	17.68	4.12	101.57	21.90	
OH-JH-2-4-BP-OI	EA20010627114	48.33	5.48	24.76	29.03	
OH-JH-2-4-SIP-30min-HM	EA20010627115	36.13	5.32	82.40	29.44	
OH-JH-2-4-SIP-140min-B-HM	EA20010627116	18.93	0.22	<PQL	<PQL	
OH-JH-2-4-SIP-140min-HM	EA20010627117	21.94	4.30	89.66	31.13	
OH-JH-2-4-SIP-140min-D-HM	EA20010627118	24.07	4.46	90.65	31.20	
OW-JH-1-1M-HM	EA20010627119	16.70	4.07	78.29	35.29	
OW-CH-1-3M-HM	EA20010627120	19.07	4.69	112.81	23.54	
OW-JH-2-2M-HM	EA20010627121	12.95	3.97	13.91	25.39	
Im-JhKc-3-3M-HM	EA20010627122	22.75	4.85	119.50	26.25	
Im-JhKc-2-3M-HM	EA20010627123	18.54	4.47	119.55	24.31	
Im-JhKc-1-3M-HM	EA20010627124	26.18	5.15	123.28	25.47	
CB-JhKc-1M-HM	EA20010627125	201.94	2.43	4.31	1.48	
Total No. of Samples	25					
Total No. of Services		25	25	25	25	

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
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GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
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Signature of Analyst
(Mala Khan)

Form:QF-5.12-ver.1.0

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1011-5	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	27-Jun-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA34	PPWQ-EA24	PPWQ-EA16	PPWQ-EA82	PPWQ-EA29
Analyte		Nickel	Total Cr	Zinc	Lead	Copper
Method		GFAAS	GFAAS	Extraction / FAAS	GFAAS	GFAAS
PQL		5.00	10.00	5.00	5.00	5.00
Precision(%CV)**		<10%	<10%	<10%	<10%	<10%
Accuracy(%Recovery)**		85% - 115%	85% - 115%	85% - 115%	80% - 120%	85% - 115%
Unit		ug/L	ug/L	ug/L	ug/L	ug/L
User Sample ID	Laboratory Sample ID	Nickel	Total Cr	Zinc	Lead	Copper
OW-JH-2-BP-HM	EA20010627101	<PQL	<PQL	8.56	<PQL	8.52
OW-JH-2-CP-48h-HM	EA20010627102	<PQL	<PQL	<PQL	<PQL	<PQL
OW-JH-2-CP-48h-(B)-HM	EA20010627103	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JH-2-1-BP-HM	EA20010627104	8.88	<PQL	<PQL	<PQL	<PQL
OH-JH-2-1-SIP-30min-HM	EA20010627105	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JH-2-1-SIP-140min-HM	EA20010627106	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JH-2-1-SIP-140min-D-HM	EA20010627107	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JH-2-2-BP-HM	EA20010627108	4.56	<PQL	11.45	4.96	5.46
OH-JH-2-2-SIP-30min-HM	EA20010627109	<PQL	<PQL	8.96	<PQL	<PQL
OH-JH-2-2-SIP-140min-OI	EA20010627110	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JH-2-3-BP-HM	EA20010627111	5.27	<PQL	7.64	5.78	<PQL
OH-JH-2-3-SIP-30min-HM	EA20010627112	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JH-2-3-SIP-140min-HM	EA20010627113	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JH-2-4-BP-OI	EA20010627114	<PQL	<PQL	<PQL	11.54	<PQL
OH-JH-2-4-SIP-30min-HM	EA20010627115	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JH-2-4-SIP-140min-B-HM	EA20010627116	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JH-2-4-SIP-140min-HM	EA20010627117	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JH-2-4-SIP-140min-D-HM	EA20010627118	<PQL	<PQL	<PQL	<PQL	<PQL
OW-JH-1-1M-HM	EA20010627119	4.31	<PQL	5.95	6.48	<PQL
OW-CH-1-3M-HM	EA20010627120	<PQL	<PQL	8.36	<PQL	<PQL
OW-JH-2-2M-HM	EA20010627121	<PQL	<PQL	<PQL	<PQL	<PQL
Im-JhKc-3-3M-HM	EA20010627122	<PQL	<PQL	<PQL	<PQL	15.42
Im-JhKc-2-3M-HM	EA20010627123	<PQL	<PQL	<PQL	<PQL	<PQL
Im-JhKc-1-3M-HM	EA20010627124	<PQL	<PQL	<PQL	<PQL	<PQL
CB-JhKc-1M-HM	EA20010627125	<PQL	<PQL	<PQL	4.32	<PQL
Total No. of Samples	25					
Total No. of Services		25	25	25	25	25

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens SP: UV-VIS Spectroscopy
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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1011-6	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	27-Jun-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA48.1	PPWQ-EA80.1			
Analyte		Cadmium	Mercury			
Method		GFAAS	FAAS-MVU			
PQL		1.5	1.00			
Precision(%CV)**		<10%	<10%			
Accuracy(%Recovery)**		85% - 115%	85% - 115%			
Unit		ug/L	ug/L			
User Sample ID	Laboratory Sample ID	Cadmium	Mercury			
OW-JH-2-BP-HM	EA20010627101	<PQL	<PQL			
OW-JH-2-CP-48h-HM	EA20010627102	<PQL	<PQL			
OW-JH-2-CP-48h-(B)-HM	EA20010627103	<PQL	<PQL			
OH-JH-2-1-BP-HM	EA20010627104	<PQL	<PQL			
OH-JH-2-1-SIP-30min-HM	EA20010627105	<PQL	<PQL			
OH-JH-2-1-SIP-140min-HM	EA20010627106	<PQL	<PQL			
OH-JH-2-1-SIP-140min-D-HM	EA20010627107	<PQL	<PQL			
OH-JH-2-2-BP-HM	EA20010627108	<PQL	<PQL			
OH-JH-2-2-SIP-30min-HM	EA20010627109	<PQL	<PQL			
OH-JH-2-2-SIP-140min-OI	EA20010627110	<PQL	<PQL			
OH-JH-2-3-BP-HM	EA20010627111	<PQL	<PQL			
OH-JH-2-3-SIP-30min-HM	EA20010627112	<PQL	<PQL			
OH-JH-2-3-SIP-140min-HM	EA20010627113	<PQL	<PQL			
OH-JH-2-4-BP-OI	EA20010627114	<PQL	<PQL			
OH-JH-2-4-SIP-30min-HM	EA20010627115	<PQL	<PQL			
OH-JH-2-4-SIP-140min-B-HM	EA20010627116	<PQL	<PQL			
OH-JH-2-4-SIP-140min-HM	EA20010627117	<PQL	<PQL			
OH-JH-2-4-SIP-140min-D-HM	EA20010627118	<PQL	<PQL			
OW-JH-1-1M-HM	EA20010627119	<PQL	<PQL			
OW-CH-1-3M-HM	EA20010627120	<PQL	<PQL			
OW-JH-2-2M-HM	EA20010627121	<PQL	<PQL			
Im-JhKc-3-3M-HM	EA20010627122	<PQL	<PQL			
Im-JhKc-2-3M-HM	EA20010627123	<PQL	<PQL			
Im-JhKc-1-3M-HM	EA20010627124	<PQL	<PQL			
CB-JhKc-1M-HM	EA20010627125	<PQL	<PQL			
Total No. of Samples	25					
Total No. of Services		25	25			

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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Signature of Analyst
(Mala Khan)

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1011-7	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	27-Jun-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA26	PPWQ-EA25			
Analyte		Dissolved Fe	Dissolved Mn			
Method		FAAS	FAAS			
PQL		0.2	0.08			
Precision(%CV)**		6%	5%			
Accuracy(%Recovery)**		90% - 110%	85% - 115%			
Unit		mg/L	mg/L			
User Sample ID	Laboratory Sample ID	Dissolved Fe (mg/L)	Dissolved Mn (mg/L)			
OW-JH-2-BP-FeMn	EA20010627201	7.846	0.096			
OW-JH-2-CP-48h-FeMn	EA20010627202	2.304	<PQL			
OW-JH-2-CP-48h-(B)-FeMn	EA20010627203	0.202	<PQL			
OH-JH-2-1-BP-FeMn	EA20010627204	1.931	1.276			
OH-JH-2-1-SIP-30min-FeMn	EA20010627205	1.373	0.808			
OH-JH-2-1-SIP-140min-FeMn	EA20010627206	1.777	0.629			
OH-JH-2-1-SIP-140min-D-FeMn	EA20010627207	1.731	0.638			
OH-JH-2-2-BP-FeMn	EA20010627208	2.628	1.404			
OH-JH-2-2-SIP-30min-FeMn	EA20010627209	1.723	0.976			
OH-JH-2-2-SIP-140min-FeMn	EA20010627210	1.126	0.784			
OH-JH-2-3-BP-FeMn	EA20010627211	12.702	0.626			
OH-JH-2-3-SIP-30min-FeMn	EA20010627212	2.121	0.590			
OH-JH-2-3-SIP-140min-FeMn	EA20010627213	1.887	0.469			
OH-JH-2-4-BP-FeMn	EA20010627214	0.466	<PQL			
OH-JH-2-4-SIP-30min-FeMn	EA20010627215	3.049	0.719			
OH-JH-2-4-SIP-140min-B-FeMn	EA20010627216	<PQL	<PQL			
OH-JH-2-4-SIP-140min-FeMn	EA20010627217	2.301	0.374			
OH-JH-2-4-SIP-140min-D-FeMn	EA20010627218	2.066	0.374			
OW-JH-1-1M-FeMn	EA20010627219	9.574	0.193			
OW-CH-1-3M-FeMn	EA20010627220	2.057	0.321			
OW-JH-2-2M-FeMn	EA20010627221	<PQL	<PQL			
Im-JhKc-3-3M-FeMn	EA20010627222	3.661	0.180			
Im-JhKc-2-3M-FeMn	EA20010627223	1.881	0.105			
Im-JhKc-1-3M-FeMn	EA20010627224	6.212	0.350			
CB-JhKc-1M-FeMn	EA20010627225	<PQL	<PQL			
Total No. of Samples	25					
Total No. of Services		25	25			

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1011-8	Date:July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date;	Sample Type:
Customer:	JICA STUDY TEAM	27-Jun-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA34.1	PPWQ-EA34	PPWQ-EA16	PPWQ-EA34.1	PPWQ-EA30.1
Analyte		Temperature	pH	Conductivity	at Temperature	Ammonium
Method		Thermometer	pH meter	Conductivity meter	Thermometer	SP
PQL		0 Deg C	0	0.2	0	0.1
Precision(%CV)**		<8%	<8%	<8%	<8%	<8%
Accuracy(%Recovery)**		90% - 110%	90% - 110%	90% -110%	90% - 110%	90% - 110%
Unit		Deg C		uS/cm	Deg C	mg/L
User Sample ID	Laboratory Sample ID	T (deg C)	pH	EC	at T(deg C)	NH4 (mg/L)
CB-JSRb-1M-OI	EA20010627026	31.10	7.91	592.30	30.60	0.16
Im-CdBd-1-3M-OI	EA20010627027	30.90	7.26	511.00	30.80	1.76
Im-CdBd-2-3M-OI	EA20010627028	31.00	7.27	513.30	30.70	1.70
Im-CdBd-3-3M-OI	EA20010627029	31.00	7.29	511.70	30.80	1.67
CB-CdBd-4M-OI	EA20010627030	31.00	7.33	633.80	30.50	0.92
CB-CdBd-4M-(D)-OI	EA20010627031	31.30	7.30	630.00	30.90	1.20
CB-CdBd-4M-(B)-OI	EA20010627032	31.10	7.18	6.00	30.80	0.11
Total No. of Samples	7					
Total No. of Services		7	7	7		7

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1011-9	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	27-Jun-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA30.6	PPWQ-EA30.4	PPWQ-EA42	PPWQ-EA10	PPWQ-EA2.1
Analyte		Nitrite	Nitrate	Sulfate	Chloride	Bicarbonate
Method		SP	SP	SP	SP	Titration
PQL		0.02	0.2	5	0.6	20
Precision(%CV)**		<8%	<8%	<8%	<8%	<8%
Accuracy(%Recovery)**		90% - 110%	90% - 110%	90% - 110%	90% - 110%	90% - 110%
Unit		mg/L	mg/L	mg/L	mg/L	mg CaCO3/L
User Sample ID	Laboratory Sample ID	NO2 (mg/L)	NO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	HCO3 (mg CaCO3/L)
CB-JSRb-1M-OI	EA20010627026	2.24	1.94	<PQL	29.38	338.20
Im-CdBd-1-3M-OI	EA20010627027	<PQL	<PQL	<PQL	<PQL	353.40
Im-CdBd-2-3M-OI	EA20010627028	<PQL	<PQL	<PQL	0.59	347.70
Im-CdBd-3-3M-OI	EA20010627029	<PQL	<PQL	<PQL	1.36	342.00
CB-CdBd-4M-OI	EA20010627030	<PQL	<PQL	<PQL	0.73	459.20
CB-CdBd-4M-(D)-OI	EA20010627031	<PQL	<PQL	<PQL	2.61	459.80
CB-CdBd-4M-(B)-OI	EA20010627032	<PQL	<PQL	<PQL	<PQL	<PQL
Total No. of Samples	7					
Total No. of Services		7	7	7	7	7

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref: PP/EA/JICASTUDY01/MK/2002/07/1011-10

Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	27-Jun-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA24.1	PPWQ-EA28	PPWQ-EA20.1	PPWQ-EA7	PPWQ-EA40
Analyte		Fluoride	Hardness	Free CN	COD	TDS
Method		SP	Standard	SP	CR titration	Standard
PQL		0.1	0.5	0.009	20	0.13
Precision(%CV)**		<8%	<5%	<10%	<5%	<10%
Accuracy(%Recovery)**		90% - 110%	90% - 110%	90% - 110%	90% - 110%	85% - 115%
Unit		mg/L	mg CaCO3/L	mg/L	mg O2/L	mg/L
User Sample ID	Laboratory Sample ID	F (mg/L)	Hardn.(mg CaCO3/L)	CN (mg/L)	COD (mg/L)	TDS (mg/L)
CB-JSRb-1M-OI	EA20010627026	0.34	38.01	<PQL	<PQL	296.15
Im-CdBd-1-3M-OI	EA20010627027	0.35	101.42	<PQL	<PQL	255.50
Im-CdBd-2-3M-OI	EA20010627028	0.37	99.46	<PQL	<PQL	256.65
Im-CdBd-3-3M-OI	EA20010627029	0.38	95.81	<PQL	<PQL	255.85
CB-CdBd-4M-OI	EA20010627030	0.16	123.73	<PQL	<PQL	316.90
CB-CdBd-4M-(D)-OI	EA20010627031	0.17	123.98	<PQL	<PQL	315.00
CB-CdBd-4M-(B)-OI	EA20010627032	<PQL	<PQL	<PQL	<PQL	<PQL
Total No. of Samples	7					
Total No. of Services		7	7	7	7	7

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref: PP/EA/JICASTUDY01/MK/2002/07/1011-11

Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	27-Jun-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA11	PPWQ-EA19	PPWQ-EA20	PPWQ-EA12	
Analyte		Sodium	Potassium	Calcium	Magnesium	
Method		FAAS	FAAS	FAAS	FAAS	
PQL		0.05	0.1	0.5	0.05	
Precision(%CV)**		<5%	<5%	<5%	<5%	
Accuracy(%Recovery)**		85% - 115%	85% - 115%	85% - 115%	85% - 115%	
Unit		mg/L	mg/L	mg/L	mg/L	
User Sample ID	Laboratory Sample ID	Sodium Na (mg/L)	Potassium K (mg/L)	Calcium Ca (mg/L)	Magnesium Mg (mg/L)	
CB-JSRb-1M-HM	EA20010627126	101.98	4.69	22.96	15.05	
Im-CdBd-1-3M-HM	EA20010627127	17.88	3.81	81.81	19.61	
Im-CdBd-2-3M-HM	EA20010627128	13.05	3.30	81.43	18.02	
Im-CdBd-3-3M-HM	EA20010627129	9.85	3.98	78.49	17.32	
CB-CdBd-4M-HM	EA20010627130	16.29	4.79	93.94	29.79	
CB-CdBd-4M-(D)-HM	EA20010627131	17.53	4.64	94.11	29.87	
CB-CdBd-4M-(B)-HM	EA20010627132	4.35	0.92	<PQL	<PQL	
Total No. of Samples	7					
Total No. of Services		7	7	7	7	

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref: PP/EA/JICASTUDY01/MK/2002/07/1011-12

Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	27-Jun-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA34	PPWQ-EA24	PPWQ-EA16	PPWQ-EA82	PPWQ-EA29
Analyte		Nickel	Total Cr	Zinc	Lead	Copper
Method		GFAAS	GFAAS	Extraction / FAAS	GFAAS	GFAAS
PQL		5.00	10.00	5.00	5.00	5.00
Precision(%CV)**		<10%	<10%	<10%	<10%	<10%
Accuracy(%Recovery)**		85% - 115%	85% - 115%	85% - 115%	80% - 120%	85% - 115%
Unit		ug/L	ug/L	ug/L	ug/L	ug/L
User Sample ID	Laboratory Sample ID	Nickel	Total Cr	Zinc	Lead	Copper
CB-JSRb-1M-HM	EA20010627126	12.04	<PQL	8.70	4.96	7.32
Im-CdBd-1-3M-HM	EA20010627127	<PQL	<PQL	5.94	<PQL	6.28
Im-CdBd-2-3M-HM	EA20010627128	<PQL	<PQL	<PQL	4.91	<PQL
Im-CdBd-3-3M-HM	EA20010627129	<PQL	<PQL	<PQL	<PQL	<PQL
CB-CdBd-4M-HM	EA20010627130	<PQL	<PQL	<PQL	<PQL	<PQL
CB-CdBd-4M-(D)-HM	EA20010627131	<PQL	<PQL	<PQL	<PQL	<PQL
CB-CdBd-4M-(B)-HM	EA20010627132	<PQL	<PQL	<PQL	<PQL	<PQL
Total No. of Samples	7					
Total No. of Services		7	7	7	7	7

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1011-13	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	27-Jun-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA48.1	PPWQ-EA80.1			
Analyte		Cadmium	Mercury			
Method		GFAAS	FAAS-MVU			
PQL		1.5	1.00			
Precision(%CV)**		<10%	<10%			
Accuracy(%Recovery)**		85% - 115%	85% - 115%			
Unit		ug/L	ug/L			
User Sample ID	Laboratory Sample ID	Cadmium	Mercury			
CB-JSRb-1M-HM	EA20010627126	<PQL	<PQL			
Im-CdBd-1-3M-HM	EA20010627127	<PQL	<PQL			
Im-CdBd-2-3M-HM	EA20010627128	<PQL	<PQL			
Im-CdBd-3-3M-HM	EA20010627129	<PQL	<PQL			
CB-CdBd-4M-HM	EA20010627130	<PQL	<PQL			
CB-CdBd-4M-(D)-HM	EA20010627131	<PQL	<PQL			
CB-CdBd-4M-(B)-HM	EA20010627132	<PQL	<PQL			
Total No. of Samples	7					
Total No. of Services		7	7			

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref: PP/EA/JICASTUDY01/MK/2002/07/1011-14

Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	27-Jun-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA26	PPWQ-EA25			
Analyte		Dissolved Fe	Dissolved Mn			
Method		FAAS	FAAS			
PQL		0.2	0.08			
Precision(%CV)**		6%	5%			
Accuracy(%Recovery)**		90% - 110%	85% - 115%			
Unit		mg/L	mg/L			
User Sample ID	Laboratory Sample ID	Dissolved Fe (mg/L)	Dissolved Mn (mg/L)			
CB-JSRb-1M-FeMn	EA20010627226	0.256	<PQL			
Im-CdBd-1-3M-FeMn	EA20010627227	2.879	0.288			
Im-CdBd-2-3M-FeMn	EA20010627228	2.646	0.236			
Im-CdBd-3-3M-FeMn	EA20010627229	2.355	0.229			
CB-CdBd-4M-FeMn	EA20010627230	3.456	0.458			
CB-CdBd-4M-(D)-FeMn	EA20010627231	3.874	0.354			
CB-CdBd-4M-(B)-FeMn	EA20010627232	<PQL	<PQL			
Total No. of Samples	7					
Total No. of Services		7	7			

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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Signature of Analyst
(Mala Khan)

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1011-15	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	27-Jun-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

ANION-CATION BALANCE* SHEET

User Sample ID	Laboratory Sample ID	Total Anions (meq/L)	Total Cations (meq/L)	% (=Anion-Cation Ratio*100)		
OW-JH-2-BP-OI	EA20010627001	7.81	8.91	87.65		
OW-JH-2-CP-48h-OI	EA20010627002	7.81	8.73	89.46		
OW-JH-2-CP-48h-(B)-OI	EA20010627003	0.13	0.06	216.67		
OH-JH-2-1-BP-OI	EA20010627004	6.14	7.43	82.64		
OH-JH-2-1-SIP-30min-OI	EA20010627005	4.78	6.08	78.62		
OH-JH-2-1-SIP-140min-OI	EA20010627006	5.79	6.59	87.86		
OH-JH-2-1-SIP-140min-(D)-OI	EA20010627007	5.64	6.44	87.58		
OH-JH-2-2-BP-OI	EA20010627008	6.62	8.23	80.44		
OH-JH-2-2-SIP-30min-OI	EA20010627009	6.31	7.50	84.13		
OH-JH-2-2-SIP-140min-OI	EA20010627010	5.01	6.29	79.65		
OH-JH-2-3-BP-OI	EA20010627011	6.72	8.51	78.97		
OH-JH-2-3-SIP-30min-OI	EA20010627012	7.21	8.07	89.34		
OH-JH-2-3-SIP-140min-OI	EA20010627013	3.80	7.84	48.47		
OH-JH-2-4-BP-OI	EA20010627014	5.51	5.89	93.55		
OH-JH-2-4-SIP-30min-OI	EA20010627015	5.83	8.38	69.57		
OH-JH-2-4-SIP-140min-(B)-OI	EA20010627016	0.13	0.87	14.94		
OH-JH-2-4-SIP-140min-OI	EA20010627017	4.17	8.20	50.85		
OH-JH-2-4-SIP-140min-(D)-OI	EA20010627018	7.67	8.35	91.85		
OW-JH-1-1M-OI	EA20010627019	7.64	8.00	95.50		
OW-CH-1-3M-OI	EA20010627020	7.89	8.61	91.67		
OW-JH-2-2M-OI	EA20010627021	3.40	3.46	98.27		
Im-JhKc-3-3M-OI	EA20010627022	8.67	9.46	91.65		
Im-JhKc-2-3M-OI	EA20010627023	8.90	9.04	98.45		
Im-JhKc-1-3M-OI	EA20010627024	8.74	10.00	87.40		
CB-JhKc-1M-OI	EA20010627025	10.03	9.23	108.47		

*Anion sums and cation sums are calculated based on the major anionic and cationic contributions.

Total No. of Samples	25					
Total No. of Services						

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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Signature of Analyst
(Mala Khan)

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1011-16	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	27-Jun-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

ANION-CATION BALANCE* SHEET

User Sample ID	Laboratory Sample ID	Total Anions (meq/L)	Total Cations (meq/L)	Anion-Cation Ratio
CB-JSRb-1M-OI	EA20010627026	6.57	6.96	94.40
Im-CdBd-1-3M-OI	EA20010627027	5.87	6.78	86.56
Im-CdBd-2-3M-OI	EA20010627028	5.79	6.40	90.47
Im-CdBd-3-3M-OI	EA20010627029	5.72	6.06	94.39
CB-CdBd-4M-OI	EA20010627030	7.61	8.16	93.26
CB-CdBd-4M-(D)-OI	EA20010627031	7.67	8.25	92.97
CB-CdBd-4M-(B)-OI	EA20010627032	0.13	0.25	52.00

*Anion sums and cation sums are calculated based on the major anionic and cationic contributions.

Total No. of Samples	7
Total No. of Services	

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

SP: UV-VIS Spectroscopy

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1012-1	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	24-Jul-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA34.1	PPWQ-EA34	PPWQ-EA16	PPWQ-EA34.1	PPWQ-EA30.1
Analyte		Temperature	pH	Conductivity	at Temperature	Ammonium
Method		Thermometer	pH meter	Conductivity meter	Thermometer	SP
PQL		0 Deg C	0	0.2	0	0.1
Precision(%CV)**		<8%	<8%	<8%	<8%	<8%
Accuracy(%Recovery)**		90% - 110%	90% - 110%	90% -110%	90% - 110%	90% - 110%
Unit		Deg C		uS/cm	Deg C	mg/L
User Sample ID	Laboratory Sample ID	T (deg C)	pH	EC	at T(deg C)	NH4 (mg/L)
OW-JH-2-1M-OI	EA20010724001	29.00	7.99	368.30	28.30	0.13
OW-JH-1-2M-OI	EA20010724002	28.50	7.96	441.70	28.00	0.17
OW-CH-2-4M-OI	EA20010724003	28.90	7.32	524.70	28.40	0.11
OW-CH-2-3M-OI	EA20010724004	28.40	7.57	417.70	28.00	0.14
CB-JhKc-2M-OI	EA20010724005	28.10	8.01	580.40	27.50	0.12
CB-JsRb-2M-OI	EA20010724006	28.70	8.01	479.70	28.00	0.15
CB-CdBd-5M-OI	EA20010724007	29.10	7.28	525.30	28.50	1.19
OW-JS-1-BP-OI	EA20010724008	29.40	7.32	545.00	28.60	0.22
OW-JS-1-CP-48h-OI	EA20010724009	28.70	7.31	543.70	28.20	0.21
OW-JS-1-CP-48h(D)-OI	EA20010724010	29.20	7.38	550.50	28.30	0.19
OW-JS-1-CP-48h(B)-OI	EA20010724011	30.00	6.18	5.80	29.00	<PQL
OH-JS-1-4-BP-OI	EA20010724012	29.70	8.86	433.00	29.00	0.13
OH-JS-1-4-SIP-30min-OI	EA20010724013	29.30	7.35	552.30	28.70	0.11
OH-JS-1-4-SIP-140min-OI	EA20010724014	29.30	7.30	557.30	28.80	0.14
OH-JS-1-3-BP-OI	EA20010724015	29.30	7.91	417.00	28.80	0.17
OH-JS-1-3-SIP-30min-OI	EA20010724016	29.80	7.20	598.00	29.20	0.15
OH-JS-1-3-SIP-140min-OI	EA20010724017	29.80	7.40	539.30	29.40	0.21
OH-JS-1-2-BP-OI	EA20010724018	29.90	7.26	700.30	29.40	0.25
OH-JS-1-2-SIP-30min-OI	EA20010724019	29.70	7.32	583.00	29.30	0.18
OH-JS-1-2-SIP-140min-OI	EA20010724020	29.40	7.33	513.00	29.10	0.14
OH-JS-1-1-BP-OI	EA20010724021	29.70	7.17	569.70	29.10	0.21
OH-JS-1-1-SIP-30min-OI	EA20010724022	29.60	7.23	526.00	29.10	<PQL
OH-JS-1-1-SIP-30min-OI	EA20010724023	29.60	7.34	511.30	29.10	0.17
Total No. of Samples	23					
Total No. of Services		23	23	23		23

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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Signature of Analyst
(Mala Khan)

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1012-2	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	24-Jul-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA30.6	PPWQ-EA30.4	PPWQ-EA42	PPWQ-EA10	PPWQ-EA2.1
Analyte		Nitrite	Nitrate	Sulfate	Chloride	Bicarbonate
Method		SP	SP	SP	SP	Titration
PQL		0.02	0.2	5	0.6	20
Precision(%CV)**		<8%	<8%	<8%	<8%	<8%
Accuracy(%Recovery)**		90% - 110%	90% - 110%	90% - 110%	90% - 110%	90% - 110%
Unit		mg/L	mg/L	mg/L	mg/L	mg CaCO3/L
User Sample ID	Laboratory Sample ID	NO2 (mg/L)	NO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	HCO3 (mg CaCO3/L)
OW-JH-2-1M-OI	EA20010724001	<PQL	<PQL	<PQL	3.17	271.70
OW-JH-1-2M-OI	EA20010724002	<PQL	<PQL	<PQL	3.95	364.80
OW-CH-2-4M-OI	EA20010724003	<PQL	0.73	<PQL	2.19	480.70
OW-CH-2-3M-OI	EA20010724004	<PQL	0.22	<PQL	8.25	319.20
CB-JhKc-2M-OI	EA20010724005	<PQL	1.66	<PQL	38.42	442.70
CB-JsRb-2M-OI	EA20010724006	<PQL	1.72	<PQL	45.02	324.00
CB-CdBd-5M-OI	EA20010724007	<PQL	<PQL	<PQL	2.54	475.00
OW-JS-1-BP-OI	EA20010724008	<PQL	<PQL	<PQL	8.42	475.00
OW-JS-1-CP-48h-OI	EA20010724009	<PQL	<PQL	<PQL	14.70	456.00
OW-JS-1-CP-48h(D)-OI	EA20010724010	<PQL	<PQL	<PQL	16.62	456.00
OW-JS-1-CP-48h(B)-OI	EA20010724011	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JS-1-4-BP-OI	EA20010724012	<PQL	<PQL	<PQL	28.31	266.00
OH-JS-1-4-SIP-30min-OI	EA20010724013	<PQL	<PQL	<PQL	9.87	475.00
OH-JS-1-4-SIP-140min-OI	EA20010724014	<PQL	<PQL	<PQL	11.79	475.00
OH-JS-1-3-BP-OI	EA20010724015	<PQL	<PQL	<PQL	2.95	285.00
OH-JS-1-3-SIP-30min-OI	EA20010724016	<PQL	<PQL	<PQL	12.98	551.00
OH-JS-1-3-SIP-140min-OI	EA20010724017	<PQL	<PQL	<PQL	2.76	475.00
OH-JS-1-2-BP-OI	EA20010724018	<PQL	<PQL	<PQL	30.35	570.00
OH-JS-1-2-SIP-30min-OI	EA20010724019	<PQL	<PQL	<PQL	5.03	456.00
OH-JS-1-2-SIP-140min-OI	EA20010724020	<PQL	<PQL	<PQL	4.07	481.00
OH-JS-1-1-BP-OI	EA20010724021	<PQL	<PQL	<PQL	5.04	475.00
OH-JS-1-1-SIP-30min-OI	EA20010724022	<PQL	<PQL	<PQL	5.75	418.00
OH-JS-1-1-SIP-30min-OI	EA20010724023	<PQL	<PQL	<PQL	7.93	418.00
Total No. of Samples	23					
Total No. of Services		23	23	23	23	23

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ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
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Signature of Analyst
(Mala Khan)

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref: PP/EA/JICASTUDY01/MK/2002/07/1012-3

Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	24-Jun-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA24.1	PPWQ-EA28	PPWQ-EA20.1	PPWQ-EA7	PPWQ-EA40
Analyte		Fluoride	Hardness	Free CN	COD	TDS
Method		SP	Standard	SP	CR titration	Standard
PQL		0.1	0.5	0.009	20	0.13
Precision(%CV)**		<8%	<5%	<10%	<5%	<10%
Accuracy(%Recovery)**		90% - 110%	90% - 110%	90% - 110%	90% - 110%	85% - 115%
Unit		mg/L	mg CaCO3/L	mg/L	mg O2/L	mg/L
User Sample ID	Laboratory Sample ID	F (mg/L)	Hardn.(mg CaCO3/L)	CN (mg/L)	COD (mg/L)	TDS (mg/L)
OW-JH-2-1M-OI	EA20010724001	0.17	49.60	<PQL	27.10	235.71
OW-JH-1-2M-OI	EA20010724002	0.21	69.62	<PQL	<PQL	282.69
OW-CH-2-4M-OI	EA20010724003	0.23	145.61	<PQL	<PQL	335.61
OW-CH-2-3M-OI	EA20010724004	0.19	82.60	<PQL	<PQL	267.63
CB-JhKc-2M-OI	EA20010724005	0.30	81.82	<PQL	<PQL	371.49
CB-JsRb-2M-OI	EA20010724006	0.40	40.54	<PQL	27.10	307.01
CB-CdBd-5M-OI	EA20010724007	0.22	128.22	<PQL	<PQL	336.19
OW-JS-1-BP-OI	EA20010724008	0.27	101.63	<PQL	<PQL	348.80
OW-JS-1-CP-48h-OI	EA20010724009	0.26	98.58	<PQL	<PQL	347.98
OW-JS-1-CP-48h(D)-OI	EA20010724010	0.33	97.16	<PQL	<PQL	352.32
OW-JS-1-CP-48h(B)-OI	EA20010724011	0.11	1.84	<PQL	<PQL	3.72
OH-JS-1-4-BP-OI	EA20010724012	0.38	25.89	<PQL	<PQL	377.12
OH-JS-1-4-SIP-30min-OI	EA20010724013	0.30	100.62	<PQL	<PQL	353.47
OH-JS-1-4-SIP-140min-OI	EA20010724014	0.28	99.30	<PQL	27.1	356.67
OH-JS-1-3-BP-OI	EA20010724015	0.41	56.18	<PQL	<PQL	266.88
OH-JS-1-3-SIP-30min-OI	EA20010724016	0.53	122.33	<PQL	131.65	382.72
OH-JS-1-3-SIP-140min-OI	EA20010724017	0.34	112.87	<PQL	<PQL	345.15
OH-JS-1-2-BP-OI	EA20010724018	1.12	112.11	<PQL	77.44	448.19
OH-JS-1-2-SIP-30min-OI	EA20010724019	1.37	106.78	<PQL	27.1	373.12
OH-JS-1-2-SIP-140min-OI	EA20010724020	0.39	101.42	<PQL	<PQL	328.32
OH-JS-1-1-BP-OI	EA20010724021	0.41	105.82	<PQL	27.1	364.07
OH-JS-1-1-SIP-30min-OI	EA20010724022	0.34	101.53	<PQL	<PQL	336.64
OH-JS-1-1-SIP-30min-OI	EA20010724023	0.33	105.21	<PQL	<PQL	327.23
Total No. of Samples	23					
Total No. of Services		23	23	23	23	23

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Meroury Vaporizer Unit

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Signature of Analyst
(Mala Khan)

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1012-4	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	24-Jul-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA11	PPWQ-EA19	PPWQ-EA20	PPWQ-EA12	
Analyte		Sodium	Potassium	Calcium	Magnesium	
Method		FAAS	FAAS	FAAS	FAAS	
PQL		0.05	0.1	0.5	0.05	
Precision(%CV)**		<5%	<5%	<5%	<5%	
Accuracy(%Recovery)**		85% - 115%	85% - 115%	85% - 115%	85% - 115%	
Unit		mg/L	mg/L	mg/L	mg/L	
User Sample ID	Laboratory Sample ID	Sodium Na (mg/L)	Potassium K (mg/L)	Calcium Ca (mg/L)	Magnesium Mg (mg/L)	
OW-JH-2-1M-HM	EA20010724101	14.49	5.45	26.27	23.32	
OW-JH-1-2M-HM	EA20010724102	35.46	5.07	45.54	24.07	
OW-CH-1-4M-HM	EA20010724103	20.10	5.31	125.53	20.07	
OW-CH-2-3M-HM	EA20010724104	17.01	5.46	61.74	20.86	
CB-JhKc-2M-HM	EA20010724105	110.16	3.96	67.53	14.28	
CB-JsRb-2M-HM	EA20010724106	107.54	5.38	26.72	13.82	
CB-CdBd-5M-HM	EA20010724107	26.56	4.17	105.53	22.70	
OW-JS-1-BP-HM	EA20010724108	51.31	5.21	80.07	21.56	
OW-JS-1-CP-48h-HM	EA20010724109	51.90	5.32	77.50	21.08	
OW-JS-1-CP-48h(D)-HM	EA20010724110	52.75	5.22	75.60	21.57	
OW-JS-1-CP-48h(B)-HM	EA20010724111	0.37	0.27	2.69	<PQL	
OH-JS-1-4-BP-HM	EA20010724112	83.14	5.34	9.76	16.14	
OH-JS-1-4-SIP-30min-HM	EA20010724113	64.79	4.75	80.39	20.23	
OH-JS-1-4-SIP-140min-HM	EA20010724114	66.02	4.93	78.72	20.58	
OH-JS-1-3-BP-HM	EA20010724115	37.77	3.85	34.90	21.28	
OH-JS-1-3-SIP-30min-HM	EA20010724116	50.56	4.51	100.04	22.30	
OH-JS-1-3-SIP-140min-HM	EA20010724117	41.88	3.77	91.01	21.86	
OH-JS-1-2-BP-HM	EA20010724118	110.80	4.65	90.87	21.24	
OH-JS-1-2-SIP-30min-HM	EA20010724119	51.4480	3.889	85.69	21.09	
OH-JS-1-2-SIP-140min-HM	EA20010724120	28.0350	3.477	80.22	21.20	
OH-JS-1-1-BP-HM	EA20010724121	53.5140	3.165	85.96	19.87	
OH-JS-1-1-SIP-30min-HM	EA20010724122	33.3860	2.658	82.06	19.47	
OH-JS-1-1-SIP-30min-HM	EA20010724123	28.1610	2.594	84.78	20.42	
Total No. of Samples	23					
Total No. of Services		23	23	23	23	

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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Signature of Analyst
(Mala Khan)

Form:QF-5.12-ver.1.0

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref: PP/EA/JICASTUDY01/MK/2002/07/1012-5

Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	24-Jul-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA34	PPWQ-EA24	PPWQ-EA16	PPWQ-EA82	PPWQ-EA29
Analyte		Nickel	Total Cr	Zinc	Lead	Copper
Method		GFAAS	GFAAS	Extraction / FAAS	GFAAS	GFAAS
PQL		5.00	10.00	5.00	5.00	5.00
Precision (%CV) **		<10%	<10%	<10%	<10%	<10%
Accuracy (%Recovery) **		85% - 115%	85% - 115%	85% - 115%	80% - 120%	85% - 115%
Unit		ug/L	ug/L	ug/L	ug/L	ug/L
User Sample ID	Laboratory Sample ID	Nickel	Total Cr	Zinc	Lead	Copper
OW-JH-2-1M-HM	EA20010724101	<PQL	<PQL	<PQL	<PQL	10.80
OW-JH-1-2M-HM	EA20010724102	<PQL	<PQL	<PQL	<PQL	<PQL
OW-CH-1-4M-HM	EA20010724103	<PQL	<PQL	<PQL	<PQL	<PQL
OW-CH-2-3M-HM	EA20010724104	<PQL	<PQL	<PQL	<PQL	<PQL
CB-JhKc-2M-HM	EA20010724105	<PQL	<PQL	<PQL	<PQL	<PQL
CB-JsRb-2M-HM	EA20010724106	37.16	<PQL	6.15	<PQL	8.16
CB-CdBd-5M-HM	EA20010724107	<PQL	<PQL	<PQL	<PQL	<PQL
OW-JS-1-BP-HM	EA20010724108	7.06	<PQL	4.25	4.17	<PQL
OW-JS-1-CP-48h-HM	EA20010724109	<PQL	<PQL	<PQL	<PQL	<PQL
OW-JS-1-CP-48h(D)-HM	EA20010724110	<PQL	<PQL	<PQL	<PQL	<PQL
OW-JS-1-CP-48h(B)-HM	EA20010724111	<PQL	<PQL	<PQL	<PQL	4.87
OH-JS-1-4-BP-HM	EA20010724112	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JS-1-4-SIP-30min-HM	EA20010724113	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JS-1-4-SIP-140min-HM	EA20010724114	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JS-1-3-BP-HM	EA20010724115	6.96	<PQL	5.32	4.56	7.86
OH-JS-1-3-SIP-30min-HM	EA20010724116	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JS-1-3-SIP-140min-HM	EA20010724117	<PQL	<PQL	<PQL	<PQL	7.15
OH-JS-1-2-BP-HM	EA20010724118	<PQL	<PQL	15.48	<PQL	4.91
OH-JS-1-2-SIP-30min-HM	EA20010724119	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JS-1-2-SIP-140min-HM	EA20010724120	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JS-1-1-BP-HM	EA20010724121	<PQL	<PQL	8.67	<PQL	4.75
OH-JS-1-1-SIP-30min-HM	EA20010724122	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JS-1-1-SIP-30min-HM	EA20010724123	<PQL	<PQL	<PQL	<PQL	<PQL
Total No. of Samples	23					
Total No. of Services		23	23	23	23	23

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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Signature of Analyst
(Mala Khan)

Form:QF-5.12-ver.1.0

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref: PP/EA/JICASTUDY01/MK/2002/07/1012-6

Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	24-Jul-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA48.1	PPWQ-EA80.1			
Analyte		Cadmium	Mercury			
Method		GFAAS	FAAS-MVU			
PQL		1.5	1.00			
Precision(%CV)**		<10%	<10%			
Accuracy(%Recovery)**		85% - 115%	85% - 115%			
Unit		ug/L	ug/L			
User Sample ID	Laboratory Sample ID	Cadmium	Mercury			
OW-JH-2-1M-HM	EA20010724101	<PQL	<PQL			
OW-JH-1-2M-HM	EA20010724102	<PQL	<PQL			
OW-CH-1-4M-HM	EA20010724103	<PQL	<PQL			
OW-CH-2-3M-HM	EA20010724104	<PQL	<PQL			
CB-JhKc-2M-HM	EA20010724105	<PQL	<PQL			
CB-JsRb-2M-HM	EA20010724106	<PQL	<PQL			
CB-CdBd-5M-HM	EA20010724107	<PQL	<PQL			
OW-JS-1-BP-HM	EA20010724108	<PQL	<PQL			
OW-JS-1-CP-48h-HM	EA20010724109	<PQL	<PQL			
OW-JS-1-CP-48h(D)-HM	EA20010724110	<PQL	<PQL			
OW-JS-1-CP-48h(B)-HM	EA20010724111	<PQL	<PQL			
OH-JS-1-4-BP-HM	EA20010724112	<PQL	<PQL			
OH-JS-1-4-SIP-30min-HM	EA20010724113	<PQL	<PQL			
OH-JS-1-4-SIP-140min-HM	EA20010724114	<PQL	<PQL			
OH-JS-1-3-BP-HM	EA20010724115	<PQL	<PQL			
OH-JS-1-3-SIP-30min-HM	EA20010724116	<PQL	<PQL			
OH-JS-1-3-SIP-140min-HM	EA20010724117	<PQL	<PQL			
OH-JS-1-2-BP-HM	EA20010724118	<PQL	<PQL			
OH-JS-1-2-SIP-30min-HM	EA20010724119	<PQL	<PQL			
OH-JS-1-2-SIP-140min-HM	EA20010724120	<PQL	<PQL			
OH-JS-1-1-BP-HM	EA20010724121	<PQL	<PQL			
OH-JS-1-1-SIP-30min-HM	EA20010724122	<PQL	<PQL			
OH-JS-1-1-SIP-30min-HM	EA20010724123	<PQL	<PQL			
Total No. of Samples	23					
Total No. of Services		23	23			

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref: PP/EA/JICASTUDY01/MK/2002/07/1012-7

Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	24-Jul-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA26	PPWQ-EA25			
Analyte		Dissolved Fe	Dissolved Mn			
Method		FAAS	FAAS			
PQL		0.2	0.08			
Precision(%CV)**		6%	5%			
Accuracy(%Recovery)**		90% - 110%	85% - 115%			
Unit		mg/L	mg/L			
User Sample ID	Laboratory Sample ID	Dissolved Fe (mg/L)	Dissolved Mn (mg/L)			
OW-JH-2-1M-FeMn	EA20010724201	<PQL	<PQL			
OW-JH-1-2M-FeMn	EA20010724202	4.27	0.09			
OW-CH-2-4M-FeMn	EA20010724203	1.70	0.35			
OW-CH-2-3M-FeMn	EA20010724204	0.75	0.08			
CB-JhKc-2M-FeMn	EA20010724205	3.66	0.12			
CB-JsRb-2M-FeMn	EA20010724206	<PQL	<PQL			
CB-CdBd-5M-FeMn	EA20010724207	3.46	0.51			
OW-JS-1-BP-FeMn	EA20010724208	6.74	0.26			
OW-JS-1-CP-48h-FeMn	EA20010724209	0.66	0.13			
OW-JS-1-CP-48h(D)-FeMn	EA20010724210	0.58	0.15			
OW-JS-1-CP-48h(B)-FeMn	EA20010724211	<PQL	<PQL			
OH-JS-1-4-BP-FeMn	EA20010724212	<PQL	<PQL			
OH-JS-1-4-SIP-30min-FeMn	EA20010724213	4.67	1.31			
OH-JS-1-4-SIP-140min-FeMn	EA20010724214	3.12	0.65			
OH-JS-1-3-BP-FeMn	EA20010724215	<PQL	<PQL			
OH-JS-1-3-SIP-30min-FeMn	EA20010724216	6.89	2.95			
OH-JS-1-3-SIP-140min-FeMn	EA20010724217	4.68	0.96			
OH-JS-1-2-BP-FeMn	EA20010724218	7.09	4.62			
OH-JS-1-2-SIP-30min-FeMn	EA20010724219	3.456	2.188			
OH-JS-1-2-SIP-140min-FeMn	EA20010724220	2.645	0.927			
OH-JS-1-1-BP-FeMn	EA20010724221	3.706	4.314			
OH-JS-1-1-SIP-30min-FeMn	EA20010724222	2.525	2.799			
OH-JS-1-1-SIP-30min-FeMn	EA20010724223	1.035	1.666			
Total No. of Samples	23					
Total No. of Services		23	23			

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref: PP/EA/JICASTUDY01/MK/2002/07/1012-8

Date: July 10, 2002

Customer ID: JICASTUDY01
Customer: JICA STUDY TEAM
Contact Person: Mr.M. Fukuda
Address: C/O:DPHE Jessore,Jessore

Sample Received Date: 24-Jul-01

Sample Type: Water supplied in PVC bottles.

ANION-CATION BALANCE* SHEET

User Sample ID	Laboratory Sample ID	Total Anions (meq/L)	Total Cations (meq/L)	% (=Anion-Cation Ratio*100)
OW-JH-2-1M-OI	EA20010724001	4.61	4.01	114.74
OW-JH-1-2M-OI	EA20010724002	6.16	6.09	101.04
OW-CH-2-4M-OI	EA20010724003	8.02	9.01	89.01
OW-CH-2-3M-OI	EA20010724004	5.53	5.72	96.76
CB-JhKc-2M-OI	EA20010724005	8.43	9.53	88.03
CB-JsRb-2M-OI	EA20010724006	6.68	7.30	91.52
CB-CdBd-5M-OI	EA20010724007	7.92	8.60	92.07
OW-JS-1-BP-OI	EA20010724008	8.09	8.40	96.34
OW-JS-1-CP-48h-OI	EA20010724009	7.96	8.04	99.00
OW-JS-1-CP-48h(D)-OI	EA20010724010	8.01	8.01	100.02
OW-JS-1-CP-48h(B)-OI	EA20010724011	0.13	0.10	136.19
OH-JS-1-4-BP-OI	EA20010724012	5.23	5.58	93.76
OH-JS-1-4-SIP-30min-OI	EA20010724013	8.13	8.84	92.03
OH-JS-1-4-SIP-140min-OI	EA20010724014	8.19	8.76	93.41
OH-JS-1-3-BP-OI	EA20010724015	4.83	5.25	92.00
OH-JS-1-3-SIP-30min-OI	EA20010724016	9.48	9.50	99.72
OH-JS-1-3-SIP-140min-OI	EA20010724017	7.93	8.47	93.64
OH-JS-1-2-BP-OI	EA20010724018	10.31	11.66	88.44
OH-JS-1-2-SIP-30min-OI	EA20010724019	7.74	8.56	90.41
OH-JS-1-2-SIP-140min-OI	EA20010724020	8.07	7.19	112.23
OH-JS-1-1-BP-OI	EA20010724021	8.00	8.64	92.66
OH-JS-1-1-SIP-30min-OI	EA20010724022	7.08	7.42	95.53
OH-JS-1-1-SIP-30min-OI	EA20010724023	7.15	7.31	97.75

*Anion sums and cation sums are calculated based on the major anionic and cationic contributions.

Total No. of Samples	23
Total No. of Services	

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref: PP/EA/JICASTUDY01/MK/2002/07/1013-1

Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	28-Aug-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA34.1	PPWQ-EA34	PPWQ-EA16	PPWQ-EA34.1	PPWQ-EA30.1
Analyte		Temperature	pH	Conductivity	at Temperature	Ammonium
Method		Thermometer	pH meter	Conductivity meter	Thermometer	SP
PQL		0 Deg C	0	0.2	0	0.1
Precision(%CV)**		<8%	<8%	<8%	<8%	<8%
Accuracy(%Recovery)**		90% - 110%	90% - 110%	90% -110%	90% - 110%	90% - 110%
Unit		Deg C		uS/cm	Deg C	mg/L
User Sample ID	Laboratory Sample ID	T (deg C)	pH	EC	at T(deg C)	NH4 (mg/L)
OW-JS-2-BP-OI	EA20010828001	28.20	7.59	621.70	27.60	0.12
OW-JS-2-CP-48h-OI	EA20010828002	28.10	7.56	612.00	27.40	0.38
OW-JS-2-CP-48h-OI(D)	EA20010828003	28.10	7.54	615.30	27.30	0.19
OW-JS-2-CP-48h-OI(B)	EA20010828004	28.10	7.37	6.40	27.20	<PQL
OH-JS-2-1-BP-OI	EA20010828005	28.50	7.19	580.30	27.20	<PQL
OH-JS-2-1-SIP-30min-OI	EA20010828006	28.60	7.37	540.70	27.90	<PQL
OH-JS-2-1-SIP-140min-OI	EA20010828007	28.80	7.46	532.00	28.10	<PQL
OH-JS-2-2-BP-OI	EA20010828008	28.70	7.23	574.00	28.00	<PQL
OH-JS-2-2-SIP-30min-OI	EA20010828009	29.10	7.27	566.70	28.50	<PQL
OH-JS-2-2-SIP-140min-OI	EA20010828010	29.10	7.35	554.30	28.60	<PQL
OH-JS-2-3-BP-OI	EA20010828011	29.40	7.50	560.30	28.80	1.61
OH-JS-2-3-SIP-30min-OI	EA20010828012	29.30	7.28	586.30	28.80	<PQL
OH-JS-2-3-SIP-140min-OI	EA20010828013	29.30	6.94	432.30	28.60	<PQL
OH-JS-2-4-BP-OI	EA20010828014	29.30	7.62	801.30	28.60	<PQL
OH-JS-2-4-SIP-30min-OI	EA20010828015	29.20	7.23	508.50	28.50	<PQL
OH-JS-2-4-SIP-140min-OI	EA20010828016	29.40	7.49	651.30	28.70	<PQL
OW-JH-1-3M-OI	EA20010828017	29.30	7.30	515.70	28.70	<PQL
OW-JH-2-2M-OI	EA20010828018	29.60	7.91	367.70	28.90	<PQL
OW-CH-1-5M-OI	EA20010828019	29.40	7.05	461.30	28.80	<PQL
CB-JhKc-3M-OI	EA20010828020	29.20	7.27	629.70	28.70	1.57
OW-CH-2-4M-OI	EA20010828021	29.60	7.93	395.00	28.50	<PQL
CB-CdBd-6M-OI	EA20010828022	29.60	7.29	586.70	28.50	1.16
OW-JS-1-1M-OI	EA20010828023	30.00	7.27	583.30	28.40	<PQL
CB-JsRb-3M-OI	EA20010828024	29.90	7.91	560.50	28.50	<PQL
Total No. of Samples	24					
Total No. of Services		24	24	24		24

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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Signature of Analyst
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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref: PP/EA/JICASTUDY01/MK/2002/07/1013-2

Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	28-Aug-01	Water supplied in PVC bottles.
Contact Person	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA30.6	PPWQ-EA30.4	PPWQ-EA42	PPWQ-EA10	PPWQ-EA2.1
Analyte		Nitrite	Nitrate	Sulfate	Chloride	Bicarbonate
Method		SP	SP	SP	SP	Titration
PQL		0.02	0.2	5	0.6	20
Precision(%CV)**		<8%	<8%	<8%	<8%	<8%
Accuracy(%Recovery)**		90% - 110%	90% - 110%	90% - 110%	90% - 110%	90% - 110%
Unit		mg/L	mg/L	mg/L	mg/L	mg CaCO3/L
User Sample ID	Laboratory Sample ID	NO2 (mg/L)	NO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	HCO3 (mg CaCO3/L)
OW-JS-2-BP-OI	EA20010828001	0.31	0.51	<PQL	53.60	438.80
OW-JS-2-CP-48h-OI	EA20010828002	<PQL	<PQL	<PQL	59.38	429.00
OW-JS-2-CP-48h-OI(D)	EA20010828003	<PQL	<PQL	<PQL	46.25	429.00
OW-JS-2-CP-48h-OI(B)	EA20010828004	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JS-2-1-BP-OI	EA20010828005	<PQL	<PQL	<PQL	4.55	453.40
OH-JS-2-1-SIP-30min-OI	EA20010828006	<PQL	<PQL	<PQL	3.02	429.00
OH-JS-2-1-SIP-140min-OI	EA20010828007	<PQL	<PQL	<PQL	4.55	429.00
OH-JS-2-2-BP-OI	EA20010828008	<PQL	<PQL	<PQL	3.50	468.00
OH-JS-2-2-SIP-30min-OI	EA20010828009	<PQL	<PQL	<PQL	1.93	438.80
OH-JS-2-2-SIP-140min-OI	EA20010828010	<PQL	<PQL	<PQL	3.88	429.00
OH-JS-2-3-BP-OI	EA20010828011	0.60	1.36	<PQL	13.97	429.00
OH-JS-2-3-SIP-30min-OI	EA20010828012	<PQL	2.48	<PQL	9.84	429.00
OH-JS-2-3-SIP-140min-OI	EA20010828013	1.48	1.48	<PQL	6.69	350.00
OH-JS-2-4-BP-OI	EA20010828014	<PQL	<PQL	<PQL	15.48	507.00
OH-JS-2-4-SIP-30min-OI	EA20010828015	<PQL	0.41	<PQL	45.56	350.00
OH-JS-2-4-SIP-140min-OI	EA20010828016	0.04	0.30	<PQL	49.08	429.00
OW-JH-1-3M-OI	EA20010828017	<PQL	<PQL	<PQL	2.63	370.50
OW-JH-2-2M-OI	EA20010828018	<PQL	<PQL	<PQL	1.65	234.00
OW-CH-1-5M-OI	EA20010828019	<PQL	0.52	<PQL	1.35	351.00
CB-JhKc-3M-OI	EA20010828020	<PQL	<PQL	<PQL	6.97	507.00
OW-CH-2-4M-OI	EA20010828021	<PQL	<PQL	<PQL	6.67	253.50
CB-CdBd-6M-OI	EA20010828022	<PQL	<PQL	<PQL	0.77	487.50
OW-JS-1-1M-OI	EA20010828023	<PQL	<PQL	<PQL	9.50	429.00
CB-JsRb-3M-OI	EA20010828024	<PQL	1.84	<PQL	30.46	312.00
Total No. of Samples	24					
Total No. of Services		24	24	24	24	24

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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Signature of Analyst
(Mala Khan)

Form:QF-5.12-ver.1.0

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref: PP/EA/JICASTUDY01/MK/2002/07/1013-3

Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date: 28-Aug-01	Sample Type: Water supplied in PVC bottles.
Customer:	JICA STUDY TEAM		
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA24.1	PPWQ-EA28	PPWQ-EA20.1	PPWQ-EA7	PPWQ-EA40
Analyte		Fluoride	Hardness	Free CN	COD	TDS
Method		SP	Standard	SP	CR titration	Standard
PQL		0.1	0.5	0.009	20	0.13
Precision(%CV)**		<8%	<5%	<10%	<5%	<10%
Accuracy(%Recovery)**		90% - 110%	90% - 110%	90% - 110%	90% - 110%	85% - 115%
Unit		mg/L	mg CaCO3/L	mg/L	mg O2/L	mg/L
User Sample ID	Laboratory Sample ID	F (mg/L)	Hardn.(mg CaCO3/L)	CN (mg/L)	COD (mg/L)	TDS (mg/L)
OW-JS-2-BP-OI	EA20010828001	0.36	90.30	<PQL	37.76	397.89
OW-JS-2-CP-48h-OI	EA20010828002	0.38	90.21	<PQL	37.76	391.39
OW-JS-2-CP-48h-OI(D)	EA20010828003	0.36	91.11	<PQL	37.76	393.79
OW-JS-2-CP-48h-OI(B)	EA20010828004	<PQL	2.97	<PQL	37.76	4.10
OH-JS-2-1-BP-OI	EA20010828005	0.50	112.70	0.01	37.76	371.39
OH-JS-2-1-SIP-30min-OI	EA20010828006	0.38	106.57	<PQL	18.88	346.05
OH-JS-2-1-SIP-140min-OI	EA20010828007	0.39	107.77	<PQL	26.43	340.48
OH-JS-2-2-BP-OI	EA20010828008	0.44	113.67	0.02	75.52	367.64
OH-JS-2-2-SIP-30min-OI	EA20010828009	0.45	110.60	<PQL	37.76	362.69
OH-JS-2-2-SIP-140min-OI	EA20010828010	0.40	108.35	<PQL	37.76	354.75
OH-JS-2-3-BP-OI	EA20010828011	0.38	93.09	<PQL	37.76	358.59
OH-JS-2-3-SIP-30min-OI	EA20010828012	0.39	105.31	<PQL	37.76	375.23
OH-JS-2-3-SIP-140min-OI	EA20010828013	0.30	107.38	<PQL	<PQL	276.67
OH-JS-2-4-BP-OI	EA20010828014	0.40	64.96	0.050	177.47	512.63
OH-JS-2-4-SIP-30min-OI	EA20010828015	0.26	93.07	<PQL	<PQL	325.44
OH-JS-2-4-SIP-140min-OI	EA20010828016	0.34	92.94	<PQL	<PQL	416.83
OW-JH-1-3M-OI	EA20010828017	0.28	104.52	<PQL	<PQL	330.05
OW-JH-2-2M-OI	EA20010828018	0.17	62.50	<PQL	<PQL	235.33
OW-CH-1-5M-OI	EA20010828019	0.23	141.30	<PQL	<PQL	295.23
CB-JhKc-3M-OI	EA20010828020	0.30	137.53	<PQL	<PQL	403.01
OW-CH-2-4M-OI	EA20010828021	0.15	59.37	<PQL	<PQL	252.80
CB-CdBd-6M-OI	EA20010828022	0.18	121.93	<PQL	<PQL	375.49
OW-JS-1-1M-OI	EA20010828023	0.20	89.94	<PQL	<PQL	373.31
CB-JsRb-3M-OI	EA20010828024	0.36	36.46	<PQL	<PQL	356.99
Total No. of Samples	24					
Total No. of Services		24	24	24	24	24

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
AAS-HVG: Atomic Absorption Spectroscopy with Hydride Vapor Generator
AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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Signature of Analyst
(Mala Khan)

Form:QF-5.12-ver.1.0

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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref: PP/EA/JICASTUDY01/MK/2002/07/1013-4

Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	28-Aug-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA11	PPWQ-EA19	PPWQ-EA20	PPWQ-EA12	
Analyte		Sodium	Potassium	Calcium	Magnesium	
Method		FAAS	FAAS	FAAS	FAAS	
PQL		0.05	0.1	0.5	0.05	
Precision(%CV)**		<5%	<5%	<5%	<5%	
Accuracy(%Recovery)**		85% - 115%	85% - 115%	85% - 115%	85% - 115%	
Unit		mg/L	mg/L	mg/L	mg/L	
User Sample ID	Laboratory Sample ID	Sodium Na (mg/L)	Potassium K (mg/L)	Calcium Ca (mg/L)	Magnesium Mg (mg/L)	
OW-JS-2-BP-HM	EA20010828101	78.26	4.27	67.18	23.12	
OW-JS-2-CP-48h-HM	EA20010828102	79.63	3.96	67.16	23.05	
OW-JS-2-CP-48h-HM(D)	EA20010828103	73.19	4.06	68.13	22.98	
OW-JS-2-CP-48h-HM(B)	EA20010828104	<PQL	<PQL	1.79	1.18	
OH-JS-2-1-BP-HM	EA20010828105	42.41	1.73	87.82	24.88	
OH-JS-2-1-SIP-30min-HM	EA20010828106	27.85	1.29	82.90	23.96	
OH-JS-2-1-SIP-140min-HM	EA20010828107	26.83	1.29	83.58	24.19	
OH-JS-2-2-BP-HM	EA20010828108	31.14	3.15	89.15	24.52	
OH-JS-2-2-SIP-30min-HM	EA20010828109	32.55	3.05	86.84	23.76	
OH-JS-2-2-SIP-140min-HM	EA20010828110	20.70	2.48	84.01	24.34	
OH-JS-2-3-BP-HM	EA20010828111	43.19	4.28	69.75	23.35	
OH-JS-2-3-SIP-30min-HM	EA20010828112	39.03	3.98	81.86	23.45	
OH-JS-2-3-SIP-140min-HM	EA20010828113	30.95	3.82	83.68	23.50	
OH-JS-2-4-BP-HM	EA20010828114	162.12	4.44	42.70	22.26	
OH-JS-2-4-SIP-30min-HM	EA20010828115	77.37	4.20	65.79	23.45	
OH-JS-2-4-SIP-140min-HM	EA20010828116	80.34	4.02	69.80	23.14	
OW-JH-1-3M-HM	EA20010828117	27.35	3.59	77.21	27.31	
OW-JH-2-2M-HM	EA20010828118	18.15	3.62	35.75	26.75	
OW-CH-1-5M-HM	EA20010828119	12.86	3.63	90.00	23.53	
CB-JhKc-3M-HM	EA20010828120	25.17	4.28	114.25	23.29	
OW-CH-2-4M-HM	EA20010828121	13.33	3.66	35.92	23.45	
CB-CdBd-6M-HM	EA20010828122	16.30	4.54	96.22	25.72	
OW-JS-1-1M-HM	EA20010828123	66.42	4.81	64.52	25.42	
CB-JsRb-3M-HM	EA20010828124	135.95	3.64	19.57	14.89	
Total No. of Samples	24					
Total No. of Services		24	24	24	24	

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens
SP: UV-VIS Spectroscopy
FAAS: Flame Atomic Absorption Spectroscopy
GFAAS: Graphite Furnace Atomic Absorption Spectroscopy
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AAS-MVU: Atomic Absorption Spectroscopy with Mercury Vaporizer Unit

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Signature of Analyst
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Department:
Environmental & Analytical

Analytical Report Sheet

Report Ref:	PP/EA/JICASTUDY01/MK/2002/07/1013-5	Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date:	Sample Type:
Customer:	JICA STUDY TEAM	28-Aug-01	Water supplied in PVC bottles.
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA34	PPWQ-EA24	PPWQ-EA16	PPWQ-EA82	PPWQ-EA29
Analyte		Nickel	Total Cr	Zinc	Lead	Copper
Method		GFAAS	GFAAS	Extraction / FAAS	GFAAS	GFAAS
PQL		5.00	10.00	5.00	5.00	5.00
Precision(%CV)**		<10%	<10%	<10%	<10%	<10%
Accuracy(%Recovery)**		85% - 115%	85% - 115%	85% - 115%	80% - 120%	85% - 115%
Unit		ug/L	ug/L	ug/L	ug/L	ug/L
User Sample ID	Laboratory Sample ID	Nickel	Total Cr	Zinc	Lead	Copper
OW-JS-2-BP-HM	EA20010828101	<PQL	<PQL	<PQL	<PQL	<PQL
OW-JS-2-CP-48h-HM	EA20010828102	<PQL	<PQL	<PQL	<PQL	<PQL
OW-JS-2-CP-48h-HM(D)	EA20010828103	<PQL	<PQL	<PQL	<PQL	<PQL
OW-JS-2-CP-48h-HM(B)	EA20010828104	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JS-2-1-BP-HM	EA20010828105	4.89	<PQL	8.46	5.79	10.36
OH-JS-2-1-SIP-30min-HM	EA20010828106	4.32	<PQL	7.35	<PQL	<PQL
OH-JS-2-1-SIP-140min-HM	EA20010828107	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JS-2-2-BP-HM	EA20010828108	5.31	<PQL	4.52	<PQL	6.60
OH-JS-2-2-SIP-30min-HM	EA20010828109	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JS-2-2-SIP-140min-HM	EA20010828110	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JS-2-3-BP-HM	EA20010828111	8.32	<PQL	11.69	5.12	<PQL
OH-JS-2-3-SIP-30min-HM	EA20010828112	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JS-2-3-SIP-140min-HM	EA20010828113	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JS-2-4-BP-HM	EA20010828114	11.58	<PQL	<PQL	<PQL	<PQL
OH-JS-2-4-SIP-30min-HM	EA20010828115	<PQL	<PQL	<PQL	<PQL	<PQL
OH-JS-2-4-SIP-140min-HM	EA20010828116	<PQL	<PQL	<PQL	<PQL	<PQL
OW-JH-1-3M-HM	EA20010828117	<PQL	<PQL	<PQL	4.25	<PQL
OW-JH-2-2M-HM	EA20010828118	<PQL	<PQL	8.95	6.78	<PQL
OW-CH-1-5M-HM	EA20010828119	<PQL	<PQL	6.48	4.96	<PQL
CB-JhKc-3M-HM	EA20010828120	9.65	<PQL	<PQL	<PQL	<PQL
OW-CH-2-4M-HM	EA20010828121	<PQL	<PQL	<PQL	<PQL	<PQL
CB-CdBd-6M-HM	EA20010828122	<PQL	<PQL	<PQL	<PQL	<PQL
OW-JS-1-1M-HM	EA20010828123	<PQL	<PQL	<PQL	<PQL	<PQL
CB-JsRb-3M-HM	EA20010828124	<PQL	<PQL	<PQL	<PQL	<PQL
Total No. of Samples	24					
Total No. of Services		24	24	24	24	24

mg/L: milligram per litre
ug/L: microgram per litre
uS: microsiemens SP: UV-VIS Spectroscopy
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Department: Environmental & Analytical

Analytical Report Sheet

Report Ref: PP/EA/JICASTUDY01/MK/2002/07/1013-6

Date: July 10, 2002

Customer ID:	JICASTUDY01	Sample Received Date: 28-Aug-01	Sample Type: Water supplied in PVC bottles.
Customer:	JICA STUDY TEAM		
Contact Person:	Mr.M. Fukuda		
Address:	C/O:DPHE Jessore,Jessore		

Service ID		PPWQ-EA48.1	PPWQ-EA80.1			
Analyte		Cadmium	Mercury			
Method		GFAAS	FAAS-MVU			
PQL		1.5	1.00			
Precision(%CV)**		<10%	<10%			
Accuracy(%Recovery)**		85% - 115%	85% - 115%			
Unit		ug/L	ug/L			
User Sample ID	Laboratory Sample ID	Cadmium	Mercury			
OW-JS-2-BP-HM	EA20010828101	<PQL	<PQL			
OW-JS-2-CP-48h-HM	EA20010828102	<PQL	<PQL			
OW-JS-2-CP-48h-HM(D)	EA20010828103	<PQL	<PQL			
OW-JS-2-CP-48h-HM(B)	EA20010828104	<PQL	<PQL			
OH-JS-2-1-BP-HM	EA20010828105	<PQL	<PQL			
OH-JS-2-1-SIP-30min-HM	EA20010828106	<PQL	<PQL			
OH-JS-2-1-SIP-140min-HM	EA20010828107	<PQL	<PQL			
OH-JS-2-2-BP-HM	EA20010828108	<PQL	<PQL			
OH-JS-2-2-SIP-30min-HM	EA20010828109	<PQL	<PQL			
OH-JS-2-2-SIP-140min-HM	EA20010828110	<PQL	<PQL			
OH-JS-2-3-BP-HM	EA20010828111	<PQL	<PQL			
OH-JS-2-3-SIP-30min-HM	EA20010828112	<PQL	<PQL			
OH-JS-2-3-SIP-140min-HM	EA20010828113	<PQL	<PQL			
OH-JS-2-4-BP-HM	EA20010828114	<PQL	<PQL			
OH-JS-2-4-SIP-30min-HM	EA20010828115	<PQL	<PQL			
OH-JS-2-4-SIP-140min-HM	EA20010828116	<PQL	<PQL			
OW-JH-1-3M-HM	EA20010828117	<PQL	<PQL			
OW-JH-2-2M-HM	EA20010828118	<PQL	<PQL			
OW-CH-1-5M-HM	EA20010828119	<PQL	<PQL			
CB-JhKc-3M-HM	EA20010828120	<PQL	<PQL			
OW-CH-2-4M-HM	EA20010828121	<PQL	<PQL			
CB-CdBd-6M-HM	EA20010828122	<PQL	<PQL			
OW-JS-1-1M-HM	EA20010828123	<PQL	<PQL			
CB-JsRb-3M-HM	EA20010828124	<PQL	<PQL			
Total No. of Samples	24					
Total No. of Services		24	24			

mg/L: milligram per litre
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uS: microsiemens
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