

## **Appendix 1 Summaries of SSD data obtained in the investigation**

**Appendix 1A Physical and inorganic parameters (SSD data) for reticulation/consumer outlet samples**

LOCATION_NAME	Time	SAMPLE_ID	Metal Fraction (except U)	EC µS/cm	pH pH unit	NO2_N mg/L	NO3_N mg/L	NH3_N mg/L	Al µg/L	As µg/L	B µg/L	Ba µg/L	Cd µg/L
					6.5 - 8.5	0.91	11.3	0.41	200	7	300	700	2
<b>Australian Drinking Water Guideline - Aesthetic</b>													
<b>Australian Drinking Water Guideline - Health</b>													
<b>JFS Potable Sources - 24/03/2004</b>													
JFS Header tank Outlet	930	A00307	Filterable					<0.005	0.9				
JFS Header Tank Top	930	A00308	Filterable	338				0.01	2.2				
JFS Mens Washroom	930	A00309	Filterable					<0.005	0.9				
JFS Tearoom	930	A00310	Filterable					<0.005	1				
Water Bottle filled approx 1700 13/03/04	930	A00311	Filterable					<0.005	0.9				
<b>Jabiru East Fire hydrant near tank 24/03/2004 "A"</b>	1330	A00315	Total	1045	6.9	<0.005	0.05	12.8	1160	0.7	37	7.1	3.86
<b>Ranger Buildings - potable system 24/03/2004</b>													
Urn in crib room d/s main building "B"	1505	A00316	Total			N.A.	N.A.	N.A.	2.3	<0.05	10	0.9	<0.02
Downstairs mill lab taps "C"	1520	A00317	Total	1516	7.5	<0.005	0.05	<0.005	3.4	0.25	14.5	2.2	0.38
Downstairs mill lab taps "D"	1520	A00318	Total			<0.005	0.045	0.615	6.2	0.15	15.5	1.8	0.1
Engineering shower block "E"	1540	A00319	Total	1505	6.7	<0.005	0.06	32.5	2140	1.7	61.5	13.2	2.12
Engineering, sink in toilets outside shower block "F"	1540	A00320	Total			N.A.	N.A.	N.A.	582	1.5	71.5	14	1.26
Engineering crib room "G"	1545	A00321	Total			N.A.	N.A.	N.A.	473	1.9	159	36	1.5
Gring area grou floor toilet cistern "H"	1550	A00322	Total	8710	4.2	0.025	0.39	277	13200	32	442	22.8	10.6
<b>Jab. East Tank Overflow Area 25/03/2004</b>													
Jabiru east sump; flow from tank direction "A**"	1005	A00323	Total	776	6.05	N.A.	N.A.	N.A.	5280	1.75	55	34.4	1.42
Jabiru east sump; flow from airport direction "B**"	1010	A00324	Total	1476	6.54	N.A.	N.A.	N.A.	5700	1.8	61	37	1.26
Jabiru east sump; flow from airport direction "B**"	1010	A00325	Total	1476	6.54	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Jabiru east sump; flow from airport direction "E**"	1030	A00328	Total	850	7.02	N.A.	N.A.	N.A.	7120	1.5	28.5	8.4	0.32
Jabiru east sump 2 opening: from airport direction "E**"	1030	A00329	Total	850	7.02	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Jabiru east sump 2 opening: from airport direction "E**"	1100	A00330	Total	801	8.16	<0.005	<0.005	<0.005	548	0.6	22.5	4.5	0.16
Jabiru east tank cemented drain at tank "F**"	1300	A00314	Total	438	7.4	<0.005	0.025	<0.005	4.5	0.45	13.5	26.2	0.02
<b>Jabiru Town Water supply 25/03/2004</b>													
<b>JFS Potable Sources 6/04/2004</b>													
Mens Toilet JFS	pm	A00516	Total	390				<0.005	40.3	0.2	12.5	1.04	<0.02
Crib Room Tap JFS	pm	A00517	Total	388				<0.005	47	0.2	12.5	0.9	<0.02
Tap outside at rear of Bug Lab JFS	pm	A00518	Total					<0.005	40.2	0.15	13.5	1.1	<0.02
Hose outside Wetlab JFS	pm	A00519	Total	389				<0.005	21.5	0.25	13.5	0.94	<0.02
Wet Lab taps JFS	pm	A00520	Total					<0.005	25.5	0.25	14	1.02	<0.02

Appendix 1A continued

SAMPLE_ID	Metal Fraction (except U)	Cr µg/L	Cu		Fe µg/L	Hg µg/L	I µg/L	Mg_F mg/L	Mn µg/L	Mo µg/L	Ni µg/L	Pb µg/L	SO4_F			Sb µg/L	Se µg/L	Sn µg/L	U_F µg/L	U_T µg/L	Zn µg/L
			1000	2000									250	500	10						
<b>Guideline - Aesthetic</b>																					
<b>Guideline - Health</b>																					
		50*	1	100	300	1	100	100	100	50	20	10	250	3	10	20	20	20	20	300	
A00307	Filterable		3.57		<20		39.7	0.49				0.2	0.6								
A00308	Filterable		4.06		<20		39.5	1.3			0.11	0.11	1.2							8.2	
A00309	Filterable		22.3		<20		39.8	0.04			0.36	0.36	0.8							8.24	
A00310	Filterable		11.1		<20		39.6	0.03			0.24	0.24	0.8							8.17	
A00311	Filterable		99.1		<20		39.8	0.16			1.01	1.01	0.9							8.04	
A00315	Total	1.1	107		120	<0.02	<5	102	29700	0.2	69	9.67	410	<0.05	3.4	0.6				8.02	
A00316	Total	<0.1	5.3		<20	<0.02	<5	20.8	1.2	<0.05	0.2	0.12	1.1	<0.05	0.4	<0.1				83.3	
A00317	Total	0.9	423		<20	<0.02	<5	40.1	0.4	0.1	0.5	5.19	0.8	<0.05	0.6	0.1				0.2	
A00318	Total	0.3	525		<20	0.02	<5	44.3	709	0.1	1.4	1.86	30.8	<0.05	0.6	<0.1				6.8	
A00319	Total	1.8	2170		268	0.02	<5	183	64200	2.3	128	35.3	913	3.2	8.8	0.3				9	
A00320	Total	0.7	1540		40	0.04	<5	204	75700	0.6	148	18.5	1080	2.55	4.8	<0.1				366	
A00321	Total	0.5	496		20	0.06	<5	587	197000	0.4	27.7	30.7	3420	1.6	8.6	0.1				189	
A00322	Total	69.8	11700		1842	<0.02	10	1130	607000	1.95	1690	1280	6940	12	147	0.1				102	
A00323	Total	5.2	192		1200	<0.02	<5	188	70700	0.25	169	9.83	1060	0.1	7.4	5				250	
A00324	Total	5.5	186		1000	0.02	<5	203	75900	0.2	183	8.48	1180	0.05	7.6	3.7				5500 - 6500	
A00325	Total	N.A.	N.A.		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.				400	
A00328	Total	6	210		560	<0.02	<5	90.5	20000	0.15	49.5	10.2	330	0.05	6.4	4.3				441	
A00329	Total	N.A.	N.A.		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.				N.A.	
A00330	Total	1.1	44.7		100	<0.02	<5	77	14100	0.15	26.6	2.86	257	0.1	2.2	<0.1				461	
A00314	Total	2.9	2.15		20	<0.02	<5	32.8	0.11	<0.05	<0.01	0.13	0.1	<0.05	0.4	<0.1				1000	
A00516	Total	0.4	48.3		80	<0.02	<5	7.39	0.11	<0.05	<0.01	0.13	0.1	<0.05	0.4	<0.1				N.A.	
A00517	Total	0.4	25.9		60	<0.02	<5	3.46	<0.05	<0.05	0.19	1.1	2.58	<0.05	0.4	0.5				121	
A00518	Total	0.4	21.6		80	<0.02	<5	7.13	<0.05	<0.05	0.26	3.37	3.31	<0.05	0.4	0.5				121	
A00519	Total	0.4	57.4		40	<0.02	<5	3.48	<0.05	<0.05	0.27	3.31	3.31	<0.05	0.4	0.1				171	
A00520	Total	0.2	58.6		60	<0.02	<5	4.49	<0.05	<0.05	0.4	1.3	1.3	<0.05	0.4	0.2				0.514	

\* Cr guideline is for Cr (VI), results are for unspecified chromium; Only a range is reported for U\_F in sample A00322 due to an analytical problem; #\_F is the filterable fraction; #\_T is the total fraction

## Appendix 1B Full water quality data for SSD samples from Ranger buildings on 24 March 2004

Site	B	C	D	E	F	G	H
Sample ID	A00316	A00317	A00318	A00319	A00320	A00321	A00322
Time	1505	1520	1520	1540	1540	1545	1550
Parameter	Units						
EC		1516		1505			8710
pH		7.5		6.7			4.2
NO2_N		<0.005	<0.005	<0.005			0.025
NO3_N		0.05	0.045	0.06			0.39
NH3_N		<0.005	0.615	32.5			277
Ag_F	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ag_T	<0.05	0.35	0.15	0.25	0.05	0.10	0.30
Al_F	1.4	1.4	3.2	34.6	22.8	2.0	102000
Al_T	2.3	3.4	6.2	2140	582	473	13200
As_F	<0.05	0.25	0.15	1.05	1.05	0.85	27.5
As_T	<0.05	0.25	0.15	1.7	1.5	1.9	32
B_F	8.4	11.6	12.8	55.9	65.3	155	323
B_T	10	14.5	15.5	61.5	71.5	159	442
Ba_F	1	2	2	12	13	34	23
Ba_T	0.9	2.2	1.8	13.2	14	36	22.8
Be_F	<0.05	<0.05	<0.05	0.2	0.2	<0.05	19.5
Be_T	<0.05	<0.05	<0.05	0.8	0.4	0.4	25.5
Br_F	48	180	112	160	150	280	422
Br_T	17	31	25	81	53	113	347
Ca_F	1.7	23.1	24.5	56.6	60.1	250	182
Ca_T	1600	22700	24000	63200	68200	294000	217000
Cd_F	0.00	0.36	0.08	0.98	1.07	0.73	7.25
Cd_T	<0.02	0.38	0.1	2.12	1.26	1.5	10.6
Cr_F	<0.2	1	0.4	0.4	<0.2	0.2	68.4
Cr_T	<0.1	0.9	0.3	1.8	0.7	0.5	69.8
Cu_F	0.38	370	527	1630	1250	3.51	10700
Cu_T	5.3	423	525	2170	1540	496	11700
Fe_F	<20	<20	<20	<20	<20	<20	960
Fe_T	<20	<20	<20	268	40	20	1842
Hg_F	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Hg_T	<0.02	<0.02	0.02	0.02	0.04	0.06	<0.02
I_F	<5	<5	<5	5	<5	<5	10
I_T	<5	<5	<5	<5	<5	<5	10
K_T		0.22	0.23	3.33			51.13
Mg_F	20.8	40.1	44.3	183	204	587	1130
Mg_T		44	41	138			1260
Mn_F	0.02	0.17	688	59500	66800	172000	528000
Mn_T	1.2	0.4	709	64200	75700	197000	607000
Mo_F	<0.05	0.1	0.1	0.25	0.4	0.3	1.25
Mo_T	<0.05	0.1	0.1	2.3	0.6	0.4	1.95
Ni_F	<0.01	<0.01	1.0	121	136	6.3	1490
Ni_T	0.20	0.50	1.40	128	148	27.7	1690
Pb_F	<0.01	3.50	1.60	11.3	10.4	0.20	913
Pb_T	0.12	5.19	1.86	35.3	18.5	30.7	1280
SO4_F	1.1	0.8	30.8	913	1080	3420	6940
SO4_T				407			8370
Sb_F	<0.05	<0.05	<0.05	0.40	0.50	0.05	0.45
Sb_T	<0.05	<0.05	<0.05	3.2	2.55	1.6	12
Se_F	0.2	0.6	0.6	3	2.4	3.8	113
Se_T	0.4	0.6	0.6	8.8	4.8	8.6	147

## Appendix 1B continued

Site	B	C	D	E	F	G	H	
Sample ID	A00316	A00317	A00318	A00319	A00320	A00321	A00322	
Time	1505	1520	1520	1540	1540	1545	1550	
Parameter	Units							
Sn_F	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	0.1	0.1
Sn_T	µg/L	<0.1	0.1	<0.1	0.3	<0.1	0.1	0.1
Ti_T	µg/L	<2	4	4	4	4	4	14
U_F	µg/L	0.2	6.8	9	189	102	250	5500 - 6500 *
U_T	µg/L	0.6	7.1	9.6	366	156	527	7060
V_T	µg/L	0.1	0.7	0.9	1.1	0.8	0.3	<0.1
Zn_F	µg/L	0.8	291	305	5270	3760	6.9	11000
Zn_T	µg/L	7.1	388	338	5970	4380	1100	12600
Th_T	µg/L		0.008	0.006	0.95			64.2
Sc_T	µg/L		6.83	6.56	<10			356
Li	µg/L		9.53	9.17	63.7			784
Ti	µg/L		0.441	0.423	0.516			8.10
Co	µg/L		0.031	0.107	39.0			905
Ga	µg/L		0.000	0.000	0.201			0.000
Ge	µg/L		0.000	0.010	0.053			1.58
Rb	µg/L		0.600	0.663	14.5			202
Sr	µg/L		6.12	5.82	27.7			297
Y	µg/L		0.008	0.026	63.7			3930
Zr	µg/L		0.000	0.001	0.030			0.181
Nb	µg/L		0.000	0.000	0.001			0.020
Ru	µg/L		0.000	0.000	0.000			0.000
Rh	µg/L		0.000	0.000	0.005			0.149
Pd	µg/L		0.000	0.000	0.000			0.000
In	µg/L		0.000	0.000	0.000			0.000
Te	µg/L		0.000	0.000	0.026			0.000
I	µg/L		0.467	0.476	0.644			0.771
Cs	µg/L		0.072	0.086	1.50			18.0
La	µg/L		0.002	0.001	1.84			76.7
Ce	µg/L		0.003	0.008	5.254			301
Pr	µg/L		0.001	0.001	1.11			69.3
Nd	µg/L		0.000	0.006	7.21			421
Sm	µg/L		0.002	0.003	5.01			326
Eu	µg/L		0.001	0.001	1.64			123
Gd	µg/L		0.001	0.008	9.02			584
Tb	µg/L		0.001	0.002	2.25			153
Dy	µg/L		0.000	0.014	15.9			1170
Ho	µg/L		0.001	0.003	2.78			208
Er	µg/L		0.000	0.004	7.76			529
Tm	µg/L		0.000	0.001	0.810			60.1
Yb	µg/L		0.000	0.003	5.12			411
Lu	µg/L		0.000	0.000	0.580			46.2
Hf	µg/L		0.000	0.000	0.055			4.23
Ta	µg/L		0.000	0.000	0.012			0.863
W	µg/L		0.236	0.211	0.228			1.56
Re	µg/L		0.029	0.046	1.91			27.8
Os	µg/L		0.000	0.000	0.000			0.000
Ir	µg/L		0.000	0.000	0.000			0.000
Pt	µg/L		0.000	0.000	0.000			0.000
Au	µg/L		0.006	0.003	0.004			0.000
Tl	µg/L		0.001	0.000	0.306			4.95

\*: U\_F result for A00322 "H" only a range can be given due to an analytical problem

Fraction analysed: #\_F: filtrate fraction, #\_T: total fraction

Site names: B – Urn in crib room d/s main building, C – Downstairs mill lab taps, D – Downstairs mill lab taps, E – Engineering shower block, F – Engineering-sink in toilets outside shower block, G – Engineering crib room, H – Grinding area ground floor toilet cistern

## Appendix 1C SSD water quality data for environmental sites

SITE	DATE	SAMPLE_ID	Field EC µS/cm	Field pH pH unit	DO mg/L	Field Temp °C	Lab EC µS/cm	Lab pH pH unit	Lab. Turbidity NTU
009 central channel	25/03/2004	A00312	17	6.3	7.12	31.1	16.6	6.5	2.1
009 west channel	25/03/2004	A00313	19	6.33	7.84	31.0	18.5	6.4	2
Mudginberri Billabong In	25/03/2004	A00331	18	6.4	7.6	32.2	17	6.7	
009 central channel	26/03/2004	A00335	11	5.8	7.1	28.1	10	6.1	13
009 west channel	26/03/2004	A00336	11	5.8	7.2	28.2	10	6.0	11
009 west channel	26/03/2004	A00337	11	5.8	7.1	28.2	11	6.0	10
MCUS	26/03/2004	A00338	8	5.5	7.0	27.3	8	6.0	25
Creek side monitoring stations (upstream of mine)	26/03/2004	A00341					8	6.1	13
Creek side monitoring stations (downstream of mine)	26/03/2004	A00342					11	6.2	8.6
Creek side monitoring stations (downstream of mine)	26/03/2004	A00343					12	6.1	20
Mudginberri Billabong Inlet	26/03/2004	A00360	11	6.8	6.8	29.4	11	6.1	13
Jab. East Tank Overflow: Intersection of overflow and creek	26/03/2004	A00361	15	6.0	6.0	29.6	15	6.0	7.6
Jab. East Tank Overflow: puddle with max. EC	26/03/2004	A00362	225	7.6	4.2	34.4	250	7.6	2.5
009 central channel	27/03/2004	A00363	12	5.9	6.5	30.2	13	6.1	3.7
009 west channel	27/03/2004	A00364	16	6.0	6.4	30.3	17	6.1	3.5
MCUS	27/03/2004	A00366	10	5.9	6.5	30.2	10	6.1	3.7
Mudginberri Bbong	27/03/2004	A00367	14	6.0	6.1	30.5	14	6.1	3.8
009 West channel bank	27/03/2004	A00372	52	6.2	5.8	31.0	57	6.2	3.0
009 central channel	28/03/2004	A00373	10	5.9	6.8	31.0	10	6.4	3.0
009 central channel	28/03/2004	A00374							
009 west channel	28/03/2004	A00375	10	6.0	6.9	31.0	11	6.2	3.1
009 west channel bank	28/03/2004	A00376	22	6.2	6.3	31.2	23	6.3	2.3
MCUS	28/03/2004	A00377	10	6.0	7.6	31.4	10	6.3	3.0
Mudginberri Billabong Inlet	28/03/2004	A00380	10	6.1	6.8	31.2	10	6.3	2.8
MCUS	29/03/2004	A00381	11	6.0	6.7	31.9	12	6.3	2.5
009 central channel	29/03/2004	A00382	14	6.1	7.0	31.8	15	6.4	2.1
009 west channel	29/03/2004	A00383	17	6.1	6.9	31.8	18	6.4	3.5
009 west channel	29/03/2004	A00384	17	6.1	6.9	31.8	18	6.3	2.7
Mudginberri Billabong Inlet	29/03/2004	A00386	15	6.3	6.6	32.2	16	6.5	2.5
009 west channel bank	29/03/2004	A00389	20	6.2	7.3	32.8	21	6.4	2.5
MCUS	30/03/2004	A00390	11	6.0	7.1	28.8	12	6.3	
009 central channel	30/03/2004	A00391	14	6.2	6.6	29.5	15	6.4	2.3
009 west channel	30/03/2004	A00392	16	6.1	6.8	29.5	18	6.3	2.4
009 west channel	30/03/2004	A00393	17	6.1	6.7	29.5			
009 west channel bank	30/03/2004	A00394	17	6.3	7.3	29.8			
Mudginberri Billabong Inlet	30/03/2004	A00395	15	6.3	6.5	31.1	17	6.4	2.3
Connjimba Billabong	30/03/2004	A00404	170	6.7	6.8	34.8			

## Appendix 1C continued

SAMPLE_ID	NO2_N mg/L	NO3_N mg/L	NH3_N mg/L	Al_F µg/L	As_F µg/L	Ba_F µg/L	Be_F µg/L	Br_F µg/L	Ca_F mg/L	Cd_F µg/L	Cr_F µg/L	Cu_F µg/L
A00312	<0.005	<0.005	<0.005	29.1	0.1	3.16	<0.05	14	0.5	<0.02	0.2	0.22
A00313	<0.005	<0.005	0.21	29.3	<0.05	3.32	<0.05	14	0.5	<0.02	0.2	0.19
A00331	<0.005	<0.005	0.005	23	<0.05	4.34	<0.05	12	0.5	<0.02	0.2	0.23
A00335	<0.005	<0.005	0.005	40	0.05	1.62	<0.05	14	0.3	0	0.2	0.32
A00336	<0.005	<0.005	<0.005	111	0.05	3.87	<0.05	10	0.3	0	0.2	0.47
A00337	<0.005	<0.005	0.005	96.6	0.1	3.59	<0.05	8	0.3	0.0	0.2	0.46
A00338	<0.005	<0.005	0.01	48.9	<0.05	1.38	<0.05	6	0.3	0.0	<0.2	0.50
A00341	N.A.	N.A.	N.A.	144	<0.05	4.68	<0.05	2	0.4	0.01	<0.2	0.88
A00342	N.A.	N.A.	N.A.	68.2	<0.05	3.19	<0.05	6	0.4	0	<0.2	0.40
A00343	N.A.	N.A.	N.A.	56.3	0.05	2.84	<0.05	6	0.3	<0.0	<0.2	0.28
A00360	<0.005	<0.005	0.005	71.5	<0.05	4.01	<0.05	4	0.3	0.0	<0.2	0.44
A00361	<0.005	<0.005	0.005	71.5	<0.05	2.93	0.05	4	0.3	0.0	<0.2	0.40
A00362	<0.005	<0.005	0.095	304	0.4	26.8	0.1	60	13.3	0.03	3.4	1.50
A00363	<0.005	<0.005	<0.005	80	<0.05	2.41	<0.05	14	0.3	<0.02	0.2	0.26
A00364	<0.005	<0.005	<0.005	56.4	0.1	3.21	<0.05	12	0.3	<0.02	0.2	0.33
A00366	<0.005	<0.005	<0.005	78.4	<0.05	1.93	<0.05	12	0.3	<0.02	0.2	0.24
A00367	<0.005	<0.005	<0.005	52.6	0.05	2.98	<0.05	10	0.4	<0.02	0.2	0.81
A00372	<0.005	<0.005	<0.005	47.6	0.05	5.79	<0.05	18	0.6	<0.02	0.2	1.45
A00373	<0.005	<0.005	<0.005	66.7	0.1	1.72	<0.05	12	0.3	<0.02	0.4	0.15
A00374	<0.005	<0.005	<0.005	36.3	0.1	1.65	<0.05	12	0.3	<0.02	0.2	0.18
A00375	<0.005	<0.005	<0.005	65.8	0.1	2.14	<0.05	10	0.3	<0.02	0.2	0.19
A00376	<0.005	<0.005	<0.005	49.2	0.05	2.7	<0.05	14	0.4	<0.02	0.2	0.18
A00377	<0.005	<0.005	<0.005	81.8	0.1	1.71	<0.05	12	0.3	<0.02	0.4	0.15
A00380	<0.005	<0.005	<0.005	49.5	<0.05	2.21	<0.05	10	0.3	<0.02	0.2	0.20
A00381	<0.005	<0.005	<0.005	62.2	0.05	2.44	<0.05	16	0.4	<0.02	0.2	0.19
A00382	<0.005	<0.005	<0.005	56.9	0.1	3.19	<0.05	16	0.4	<0.02	0.2	0.21
A00383	<0.005	<0.005	<0.005	55.6	0.05	2.93	<0.05	18	0.4	<0.02	0.4	0.21
A00384	<0.005	<0.005	<0.005	54.3	0.1	2.9	<0.05	18	0.4	<0.02	0.4	0.19
A00386	<0.005	<0.005	<0.005	65.6	0.05	2.98	<0.05	20	0.4	<0.02	0.4	0.20
A00389	<0.005	<0.005	<0.005	50.8	0.1	2.92	<0.05	24	0.4	<0.02	0.2	0.45
A00390	<0.005	<0.005	<0.005	68.5	0.1	2.32	<0.05	24	0.4	<0.02	0.2	0.17
A00391	<0.005	<0.005	<0.005	66.9	0.05	2.59	<0.05	24	0.4	<0.02	0.2	0.25
A00392	<0.005	<0.005	<0.005	73.5	0.05	3.16	<0.05	24	0.4	<0.02	0.4	0.23
A00393	<0.005	<0.005	<0.005	63.1	0.1	3.15	<0.05	26	0.4	<0.02	0.2	0.22
A00394	<0.005	<0.005	<0.005	181	0.1	3.42	<0.05	20	0.3	<0.02	0.4	0.26
A00395	<0.005	<0.005	<0.005	107	0.05	3.92	<0.05	22	0.4	<0.02	0.4	0.33
A00404	<0.005	<0.005	<0.005	25.8	0.2	15.9	<0.05	78	2.2	<0.02	0.6	0.47

## Appendix 1C continued

SAMPLE_ID	Fe_F µg/L	Mg_F mg/L	Mn_F µg/L	Mo_F µg/L	Ni_F µg/L	Pb_F µg/L	SO4_F mg/L	Sb_F µg/L	Se_F µg/L	Sn_F µg/L	U_F µg/L	Zn_F µg/L
A00312	200	0.9	3.62	<0.05	0.1	0.03	1.4	<0.05	<0.2	0.2	0.048	0.6
A00313	240	1.1	4.3	<0.05	0.09	<0.01	2.4	<0.05	<0.2	0.2	0.061	0.3
A00331	160	0.9	3.12	<0.05	0.1	0.05	1.2	<0.05	<0.2	0.1	0.051	0.5
A00335	80	0.4	6.1	<0.05	0.22	0.03	0.6	0.05	<0.2	0.5	0.021	3.1
A00336	340	0.5	11.4	<0.05	0.11	0.07	0.8	<0.05	<0.2	<0.1	0.067	0.9
A00337	340	0.5	10.0	<0.05	0.11	0.07	0.9	<0.05	<0.2	<0.1	0.053	0.8
A00338	80	0.2	8.26	<0.05	0.18	0.07	0.2	<0.05	<0.2	0.3	0.020	3.1
A00341	320	0.3	7.70	<0.05	0.26	0.13	0.3	<0.05	<0.2	0.1	0.053	1.6
A00342	300	0.5	5.95	<0.05	0.13	0.06	0.6	<0.05	<0.2	<0.1	0.039	1.9
A00343	280	0.6	4.97	<0.05	0.09	0.06	0.7	<0.05	<0.2	<0.1	0.041	0.4
A00360	240	0.6	7.17	<0.05	0.08	0.06	0.6	<0.05	<0.2	<0.1	0.045	0.6
A00361	220	0.9	8.58	<0.05	0.08	0.07	2.7	<0.05	<0.2	<0.1	0.404	0.6
A00362	1780	24.3	439	0.15	0.54	1.3	8.8	<0.05	0.4	<0.1	2.40	19.4
A00363	100	0.6	5.44	<0.05	0.21	0.03	1.0	<0.05	<0.2	<0.1	0.051	0.6
A00364	180	1.0	6.15	<0.05	0.15	0.04	2.2	<0.05	<0.2	0.2	0.092	0.6
A00366	100	0.4	5.72	<0.05	0.16	0.01	0.2	<0.05	<0.2	<0.1	0.019	0.9
A00367	140	0.7	5.14	<0.05	0.10	0.03	1.7	<0.05	<0.2	0.2	0.085	0.6
A00372	220	4.4	6.80	<0.05	0.17	0.06	14.5	<0.05	<0.2	0.5	0.244	0.5
A00373	80	0.4	3.48	<0.05	0.2	<0.01	0.4	<0.05	<0.2	<0.1	0.028	0.5
A00374	80	0.4	3.39	<0.05	0.21	<0.01	0.3	<0.05	0.2	0.3	0.026	0.6
A00375	200	0.5	3.87	<0.05	0.17	0.02	0.5	<0.05	<0.2	0.3	0.047	0.4
A00376	200	1.6	3.87	<0.05	0.19	0.01	5.1	<0.05	<0.2	0.3	0.127	0.4
A00377	100	0.4	3.47	<0.05	0.20	<0.01	0.2	<0.05	0.2	0.1	0.016	0.4
A00380	180	0.4	3.23	<0.05	0.17	0.03	0.5	<0.05	<0.2	0.3	0.035	0.6
A00381	140	0.4	3.3	<0.05	0.11	0.02	0.3	<0.05	<0.2	0.1	0.018	0.2
A00382	140	0.7	2.27	<0.05	0.12	0.01	1.3	<0.05	<0.2	0.1	0.046	1.5
A00383	140	1.0	2.89	<0.05	0.10	0.01	2.5	<0.05	<0.2	0.1	0.059	0.2
A00384	140	1.0	2.80	<0.05	0.10	0.01	2.4	<0.05	<0.2	0.1	0.058	0.2
A00386	140	0.8	1.37	<0.05	0.10	0.01	1.4	<0.05	<0.2	0.1	0.052	0.2
A00389	160	1.3	2.02	<0.05	0.10	0.03	3.2	<0.05	<0.2	0.1	0.100	0.6
A00390	140	0.5	4.57	<0.05	0.18	0.01	0.3	0.15	<0.2	<0.1	0.018	1.8
A00391	160	0.7	4.50	<0.05	0.18	0.05	1.0	0.2	<0.2	<0.1	0.040	2.1
A00392	180	1.0	5.01	<0.05	0.28	0.02	1.9	0.2	<0.2	<0.1	0.057	1.5
A00393	160	1.0	4.83	<0.05	0.23	0.03	1.9	0.15	<0.2	<0.1	0.058	1.6
A00394	440	1.1	5.70	<0.05	0.19	0.04	2.4	<0.05	<0.2	<0.1	0.080	0.3
A00395	220	0.8	4.31	<0.05	0.27	0.09	1.0	0.2	<0.2	0.1	0.050	2.2
A00404	300	18.3	10.1	0.25	0.25	0.06	74	0.2	0.4	<0.1	0.967	2.1