This document was too large to scan as a whole document, therefore it required breaking into smaller sections.

DOCUMENT NUMBER: SD-WM-DP-179

SECTION 5 **OF** 10

TITLE: Final Report for Tank 241-S-102 Push Mode Cores 125 & 130
[Pages 1210 thru 1509]

DATE: 7/12/96

ORIGINATOR: Fritts L L
CO: WHC

RECIPIENT:
CO:

REFERENCES: ECN-633302

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WHC-CD-WM-DP-179, REV. 1

LABCORE Data Entry Template for Worklist# 8626

Analyst: BK Sato **Instrument:** ICP01-2 BK 5-29-96 **Book#** 53B48B

Method: LA-505-~~151~~/161 Rev/Mod B.0
BK 5-29-96

Worklist Comment: ICP S-102 (SOLID ACID DIGEST)

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	ICV				@ICP-QC	QC		
2	ICB				@ICP-QC	QC		
3	LLS				@ICP-QC	QC		
4	ICSA				@ICP-QC	QC		
5	ICSAB				@ICP-QC	QC		
6	PREPSTDTJA				@ICP-A01	SOLID		
7	PREPBLKTJA				@ICP-A01	SOLID		
8	SERDIL	S96T001586	0	A	@ICP-A01	SOLID		
9	SAMPLE	S96T001586	0	A	@ICP-A01	SOLID	96000094	S102

Analytes Requested: AG-A-01 , AL-A-01 , AS-A-01 , B-A-01 , BA-A-01 , BE-A-01 , BI-A-01 , CA-A-01 , CD-A-01 , CE-A-01 , CO-A-01 , CR-A-01 , CU-A-01 , FE-A-01 , K-A-01 , LA-A-01 , LI-A-01 , MG-A-01 , MN-A-01 , MO-A-01 , NA-A-01 , ND-A-01 , NI-A-01 , P-A-01 , PB-A-01 , S-A-01 , SB-A-01 , SE-A-01 , SI-A-01 , SM-A-01 , SR-A-01 , TI-A-01 , TL-A-01 , U-A-01 , V-A-01 , ZN-A-01 , ZR-A-01

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
10	DUP	S96T001586	0	A	@ICP-A01	SOLID		
11	SPK-PREDIG	S96T001586	0	A	@ICP-A01	SOLID		
12	CCV				@ICP-QC	QC		
13	CCB				@ICP-QC	QC		
14	SERDIL	S96T001587	0	A	@ICP-A01	SOLID		
15	SAMPLE	S96T001587	0	A	@ICP-A01	SOLID	96000094	S102

Analytes Requested: AG-A-01 , AL-A-01 , AS-A-01 , B-A-01 , BA-A-01 ,

Data Entry Comments: Example for calculation of sample result.:

S96T001586 $Al = 20.89 \frac{ug}{ml} \left(\frac{1}{1.77 \frac{g}{L} \times \frac{1L}{1000 ml}} \right) = 1.18e+4 \frac{ug}{g}$

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

Note: $1.77 \frac{g}{L}$ is sample prep dilution factor which can be found in sample prep worklist.

LABCORE Data Entry Template for Worklist# 8626

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
					BE-A-01 , BI-A-01 , CA-A-01 , CD-A-01 , CE-A-01 , CO-A-01 , CR-A-01 , CU-A-01 , FE-A-01 , K-A-01 , LA-A-01 , LI-A-01 , MG-A-01 , MN-A-01 , MO-A-01 , NA-A-01 , ND-A-01 , NI-A-01 , P-A-01 , PB-A-01 , S-A-01 , SB-A-01 , SE-A-01 , SI-A-01 , SM-A-01 , SR-A-01 , TI-A-01 , TL-A-01 , U-A-01 , V-A-01 , ZN-A-01 , ZR-A-01			
16	DUP	S96T001587	0	A	@ICP-A01	SOLID		
17	~~SAMPLE~~ SerDIL DK 5-29-96	S96T001588	0	A	@ICP-A01	SOLID	96000094	S102
	Analytes Requested:				AG-A-01 , AL-A-01 , AS-A-01 , B-A-01 , BA-A-01 , BE-A-01 , BI-A-01 , CA-A-01 , CD-A-01 , CE-A-01 , CO-A-01 , CR-A-01 , CU-A-01 , FE-A-01 , K-A-01 , LA-A-01 , LI-A-01 , MG-A-01 , MN-A-01 , MO-A-01 , NA-A-01 , ND-A-01 , NI-A-01 , P-A-01 , PB-A-01 , S-A-01 , SB-A-01 , SE-A-01 , SI-A-01 , SM-A-01 , SR-A-01 , TI-A-01 , TL-A-01 , U-A-01 , V-A-01 , ZN-A-01 , ZR-A-01			
18	~~SERDIL~~ Sample DK 5-29-96	S96T001588	0	A	@ICP-A01	SOLID		
19	DUP	S96T001588	0	A	@ICP-A01	SOLID		
20	ICSA				@ICP-QC	QC		
21	ICSAB				@ICP-QC	QC		
22	CCV				@ICP-QC	QC		
23	CCB				@ICP-QC	QC		

Final page for worklist # 8626

DK [signature] 05-29-96

Analyst Signature **Date**

Analyst Signature **Date**

:0std TJU, direct
pblk TJU, direct
:T001586_L, 2-8, DF 5
.T001586 direct 1
.T001586_D direct 1
.T001586_S direct 1
.T001587_L, 2-8, DF 5
.T001587 direct 1
.T001587_D direct 1

S96T001588_L, 2-8, DF 5
S96T001588 direct 1
S96T001588_D direct 1

Data Entry Comments: Spike true value is 5.0 ppm for all elements except for Ag = 1.0 ppm and U = 10.0 ppm. Example for calculation for spike recovery:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

S96T001586 $al = \frac{25.07 - 20.89}{5} \times 100 = 83.6\%$

LABCORE Completed Worklist Report for Worklist# 8626

Analyst: dks **Instrument:** ICP02 **Book#** _____

Method: _____Rev/Mod _____

Worklist Comment: ICP S-102 (SOLID ACID DIGEST)

Seq Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
1 ICV	0		@ICP-QC	AG	QC	5.0	4.89e+00	97.800	% Recovery
1 ICV	0		@ICP-QC	AL	QC	5.0	4.81e+00	96.200	% Recovery
1 ICV	0		@ICP-QC	AS	QC	5.0	5.08e+00	101.600	% Recovery
1 ICV	0		@ICP-QC	B	QC	5.0	4.92e+00	98.400	% Recovery
1 ICV	0		@ICP-QC	BA	QC	5.0	4.88e+00	97.600	% Recovery
1 ICV	0		@ICP-QC	BE	QC	5.0	5.04e+00	100.800	% Recovery
1 ICV	0		@ICP-QC	BI	QC	5.0	5.02e+00	100.400	% Recovery
1 ICV	0		@ICP-QC	CA	QC	5.0	5.06e+00	101.200	% Recovery
1 ICV	0		@ICP-QC	CD	QC	5.0	4.98e+00	99.600	% Recovery
1 ICV	0		@ICP-QC	CE	QC	5.0	5.05e+00	101.000	% Recovery
1 ICV	0		@ICP-QC	CO	QC	5.0	5.00e+00	100.000	% Recovery
1 ICV	0		@ICP-QC	CR	QC	5.0	5.04e+00	100.800	% Recovery
1 ICV	0		@ICP-QC	CU	QC	5.0	5.05e+00	101.000	% Recovery
1 ICV	0		@ICP-QC	FE	QC	5.0	5.00e+00	100.000	% Recovery
1 ICV	0		@ICP-QC	K	QC	5.0	5.05e+00	101.000	% Recovery
1 ICV	0		@ICP-QC	LA	QC	5.0	4.95e+00	99.000	% Recovery
1 ICV	0		@ICP-QC	LI	QC	5.0	4.88e+00	97.600	% Recovery
1 ICV	0		@ICP-QC	MG	QC	5.0	4.79e+00	95.800	% Recovery
1 ICV	0		@ICP-QC	MN	QC	5.0	4.90e+00	98.000	% Recovery
1 ICV	0		@ICP-QC	MO	QC	5.0	5.01e+00	100.200	% Recovery
1 ICV	0		@ICP-QC	NA	QC	5.0	4.85e+00	97.000	% Recovery
1 ICV	0		@ICP-QC	ND	QC	5.0	4.99e+00	99.800	% Recovery
1 ICV	0		@ICP-QC	NI	QC	5.0	4.97e+00	99.400	% Recovery
1 ICV	0		@ICP-QC	P	QC	5.0	4.89e+00	97.800	% Recovery
1 ICV	0		@ICP-QC	PB	QC	5.0	4.95e+00	99.000	% Recovery
1 ICV	0		@ICP-QC	S	QC	5.0	4.88e+00	97.600	% Recovery
1 ICV	0		@ICP-QC	SB	QC	5.0	4.73e+00	94.600	% Recovery
1 ICV	0		@ICP-QC	SE	QC	5.0	4.79e+00	95.800	% Recovery
1 ICV	0		@ICP-QC	SI	QC	5.0	4.77e+00	95.400	% Recovery
1 ICV	0		@ICP-QC	SM	QC	5.0	4.81e+00	96.200	% Recovery
1 ICV	0		@ICP-QC	SR	QC	5.0	4.85e+00	97.000	% Recovery
1 ICV	0		@ICP-QC	TI	QC	5.0	4.81e+00	96.200	% Recovery
1 ICV	0		@ICP-QC	TL	QC	5.00	4.78e+00	95.600	% Recovery
1 ICV	0		@ICP-QC	U	QC	10.	9.50e+00	95.000	% Recovery
1 ICV	0		@ICP-QC	V	QC	5.0	4.95e+00	99.000	% Recovery
1 ICV	0		@ICP-QC	ZN	QC	5.0	5.00e+00	100.000	% Recovery
1 ICV	0		@ICP-QC	ZR	QC	5.0	4.86e+00	97.200	% Recovery
2 ICB	0		@ICP-QC	AG	QC	1	<1.00e-2		ug/g
2 ICB	0		@ICP-QC	AL	QC	1	<5.00e-2		ug/g
2 ICB	0		@ICP-QC	AS	QC	1	<1.00e-1		ug/g
2 ICB	0		@ICP-QC	B	QC	1	<5.00e-2		ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8626

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
2	ICB		0	@ICP-QC	BA	QC	1	<5.00e-2		ug/g
2	ICB		0	@ICP-QC	BE	QC	1	<5.00e-3		ug/g
2	ICB		0	@ICP-QC	BI	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	CA	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	CD	QC	1	<5.00e-3		ug/g
2	ICB		0	@ICP-QC	CE	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	CO	QC	1	<2.00e-2		ug/g
2	ICB		0	@ICP-QC	CR	QC	1	<1.00e-2		ug/g
2	ICB		0	@ICP-QC	CU	QC	1	<1.00e-2		ug/g
2	ICB		0	@ICP-QC	FE	QC	1	<5.00e-2		ug/g
2	ICB		0	@ICP-QC	K	QC	1	<5.00e-1		ug/g
2	ICB		0	@ICP-QC	LA	QC	1	<5.00e-2		ug/g
2	ICB		0	@ICP-QC	LI	QC	1	<1.00e-2		ug/g
2	ICB		0	@ICP-QC	MG	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	MN	QC	1	<1.00e-2		ug/g
2	ICB		0	@ICP-QC	MO	QC	1	<5.00e-2		ug/g
2	ICB		0	@ICP-QC	NA	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	ND	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	NI	QC	1	<2.00e-2		ug/g
2	ICB		0	@ICP-QC	P	QC	1	<2.00e-1		ug/g
2	ICB		0	@ICP-QC	PB	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	S	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	SB	QC	1	<6.00e-2		ug/g
2	ICB		0	@ICP-QC	SE	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	SI	QC	1	<5.00e-2		ug/g
2	ICB		0	@ICP-QC	SM	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	SR	QC	1	<1.00e-2		ug/g
2	ICB		0	@ICP-QC	TI	QC	1	<1.00e-2		ug/g
2	ICB		0	@ICP-QC	TL	QC	1	<2.00e-1		ug/g
2	ICB		0	@ICP-QC	U	QC	1	<5.00e-1		ug/g
2	ICB		0	@ICP-QC	V	QC	1	<5.00e-2		ug/g
2	ICB		0	@ICP-QC	ZN	QC	1	<1.00e-2		ug/g
2	ICB		0	@ICP-QC	ZR	QC	1	<1.00e-2		ug/g
3	LLS		0	@ICP-QC	AG	QC	0.02	2.03e-02	101.500	% Recovery
3	LLS		0	@ICP-QC	AL	QC	0.10	9.73e-02	97.300	% Recovery
3	LLS		0	@ICP-QC	AS	QC	0.20	2.07e-01	103.500	% Recovery
3	LLS		0	@ICP-QC	B	QC	0.10	1.01e-01	101.000	% Recovery
3	LLS		0	@ICP-QC	BA	QC	0.10	9.81e-02	98.100	% Recovery
3	LLS		0	@ICP-QC	BE	QC	0.01	1.04e-02	104.000	% Recovery
3	LLS		0	@ICP-QC	BI	QC	0.20	1.93e-01	96.500	% Recovery
3	LLS		0	@ICP-QC	CA	QC	0.20	2.07e-01	103.500	% Recovery
3	LLS		0	@ICP-QC	CD	QC	0.01	1.02e-02	102.000	% Recovery
3	LLS		0	@ICP-QC	CE	QC	0.20	2.06e-01	103.000	% Recovery
3	LLS		0	@ICP-QC	CO	QC	0.04	4.11e-02	102.750	% Recovery
3	LLS		0	@ICP-QC	CR	QC	0.02	2.15e-02	107.500	% Recovery
3	LLS		0	@ICP-QC	CU	QC	0.02	1.94e-02	97.000	% Recovery
3	LLS		0	@ICP-QC	FE	QC	0.10	1.04e-01	104.000	% Recovery
3	LLS		0	@ICP-QC	K	QC	0.50	<5.00e-1		% Recovery
3	LLS		0	@ICP-QC	LA	QC	0.10	9.95e-02	99.500	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8626

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
3	LLS		0	@ICP-QC	LI	QC	0.02	2.09e-02	104.500	% Recovery
3	LLS		0	@ICP-QC	MG	QC	0.20	1.92e-01	96.000	% Recovery
3	LLS		0	@ICP-QC	MN	QC	0.02	1.99e-02	99.500	% Recovery
3	LLS		0	@ICP-QC	MO	QC	0.10	9.51e-02	95.100	% Recovery
3	LLS		0	@ICP-QC	NA	QC	0.20	2.10e-01	105.000	% Recovery
3	LLS		0	@ICP-QC	ND	QC	0.20	1.94e-01	97.000	% Recovery
3	LLS		0	@ICP-QC	NI	QC	0.04	4.08e-02	102.000	% Recovery
3	LLS		0	@ICP-QC	P	QC	0.40	4.27e-01	106.750	% Recovery
3	LLS		0	@ICP-QC	PB	QC	0.20	1.94e-01	97.000	% Recovery
3	LLS		0	@ICP-QC	S	QC	0.20	2.01e-01	100.500	% Recovery
3	LLS		0	@ICP-QC	SB	QC	0.10	1.05e-01	105.000	% Recovery
3	LLS		0	@ICP-QC	SE	QC	0.20	2.07e-01	103.500	% Recovery
3	LLS		0	@ICP-QC	SI	QC	0.10	1.22e-01	122.000	% Recovery
3	LLS		0	@ICP-QC	SM	QC	0.20	2.05e-01	102.500	% Recovery
3	LLS		0	@ICP-QC	SR	QC	0.02	2.02e-02	101.000	% Recovery
3	LLS		0	@ICP-QC	TI	QC	0.02	2.01e-02	100.500	% Recovery
3	LLS		0	@ICP-QC	TL	QC	0.40	3.78e-01	94.500	% Recovery
3	LLS		0	@ICP-QC	U	QC	0.50	5.12e-01	102.400	% Recovery
3	LLS		0	@ICP-QC	V	QC	0.10	1.03e-01	103.000	% Recovery
3	LLS		0	@ICP-QC	ZN	QC	0.02	2.13e-02	106.500	% Recovery
3	LLS		0	@ICP-QC	ZR	QC	0.02	2.18e-02	109.000	% Recovery
4	ICSA		0	@ICP-QC	AG	QC	1	<1.00e-2		ug/g
4	ICSA		0	@ICP-QC	AL	QC	250	2.39e+02	95.600	% Recovery
4	ICSA		0	@ICP-QC	AS	QC	1.0	<1.00e-1		ug/g
4	ICSA		0	@ICP-QC	B	QC	1	<5.00e-2		ug/g
4	ICSA		0	@ICP-QC	BA	QC	1	<5.00e-2		ug/g
4	ICSA		0	@ICP-QC	BE	QC	1	<5.00e-3		ug/g
4	ICSA		0	@ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
4	ICSA		0	@ICP-QC	CA	QC	250	2.53e+02	101.200	% Recovery
4	ICSA		0	@ICP-QC	CD	QC	1	<5.00e-3		ug/g
4	ICSA		0	@ICP-QC	CE	QC	1	<1.00e-1		ug/g
4	ICSA		0	@ICP-QC	CO	QC	1	<2.00e-2		ug/g
4	ICSA		0	@ICP-QC	CR	QC	1	<1.00e-2		ug/g
4	ICSA		0	@ICP-QC	CU	QC	1	<1.00e-2		ug/g
4	ICSA		0	@ICP-QC	FE	QC	100	9.36e+01	93.600	% Recovery
4	ICSA		0	@ICP-QC	K	QC	1	<5.00e-1		ug/g
4	ICSA		0	@ICP-QC	LA	QC	1.0	<5.00e-2		ug/g
4	ICSA		0	@ICP-QC	LI	QC	1	<1.00e-2		ug/g
4	ICSA		0	@ICP-QC	MG	QC	250	2.46e+02	98.400	% Recovery
4	ICSA		0	@ICP-QC	MN	QC	1.0	<1.00e-2		ug/g
4	ICSA		0	@ICP-QC	MO	QC	1	<5.00e-2		ug/g
4	ICSA		0	@ICP-QC	NA	QC	200	1.94e+02	97.000	% Recovery
4	ICSA		0	@ICP-QC	ND	QC	1	<1.00e-1		ug/g
4	ICSA		0	@ICP-QC	NI	QC	1	<2.00e-2		ug/g
4	ICSA		0	@ICP-QC	P	QC	1.0	<2.00e-1		ug/g
4	ICSA		0	@ICP-QC	PB	QC	1	<1.00e-1		ug/g
4	ICSA		0	@ICP-QC	S	QC	1.0	<1.00e-1		ug/g
4	ICSA		0	@ICP-QC	SB	QC	1	<6.00e-2		ug/g
4	ICSA		0	@ICP-QC	SE	QC	1	<1.00e-1		ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8626

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
4	ICSA		0	@ICP-QC	SI	QC	1	<5.00e-2		ug/g
4	ICSA		0	@ICP-QC	SM	QC	1	<1.00e-1		ug/g
4	ICSA		0	@ICP-QC	SR	QC	1	<1.00e-2		ug/g
4	ICSA		0	@ICP-QC	TI	QC	1	<1.00e-2		ug/g
4	ICSA		0	@ICP-QC	TL	QC	1.0	<2.00e-1		ug/g
4	ICSA		0	@ICP-QC	U	QC	1	<5.00e-1		ug/g
4	ICSA		0	@ICP-QC	V	QC	1	<5.00e-2		ug/g
4	ICSA		0	@ICP-QC	ZN	QC	1.0	<1.00e-2		ug/g
4	ICSA		0	@ICP-QC	ZR	QC	1	<1.00e-2		ug/g
5	ICSAB		0	@ICP-QC	AG	QC	1.0	9.74e-01	97.400	% Recovery
5	ICSAB		0	@ICP-QC	AL	QC	250	2.38e+02	95.200	% Recovery
5	ICSAB		0	@ICP-QC	AS	QC	1.0	<1.00e-1		ug/g
5	ICSAB		0	@ICP-QC	B	QC	1.0	<5.00e-2		ug/g
5	ICSAB		0	@ICP-QC	BA	QC	0.5	4.79e-01	95.800	% Recovery
5	ICSAB		0	@ICP-QC	BE	QC	0.5	4.75e-01	95.000	% Recovery
5	ICSAB		0	@ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
5	ICSAB		0	@ICP-QC	CA	QC	250	2.53e+02	101.200	% Recovery
5	ICSAB		0	@ICP-QC	CD	QC	1.0	9.59e-01	95.900	% Recovery
5	ICSAB		0	@ICP-QC	CE	QC	1.0	<1.00e-1		ug/g
5	ICSAB		0	@ICP-QC	CO	QC	0.5	4.73e-01	94.600	% Recovery
5	ICSAB		0	@ICP-QC	CR	QC	0.5	4.89e-01	97.800	% Recovery
5	ICSAB		0	@ICP-QC	CU	QC	0.5	4.82e-01	96.400	% Recovery
5	ICSAB		0	@ICP-QC	FE	QC	100	9.31e+01	93.100	% Recovery
5	ICSAB		0	@ICP-QC	K	QC	1.0	<5.00e-1		ug/g
5	ICSAB		0	@ICP-QC	LA	QC	1.0	<5.00e-2		ug/g
5	ICSAB		0	@ICP-QC	LI	QC	1.0	9.53e-01	95.300	% Recovery
5	ICSAB		0	@ICP-QC	MG	QC	250	2.45e+02	98.000	% Recovery
5	ICSAB		0	@ICP-QC	MN	QC	0.5	4.54e-01	90.800	% Recovery
5	ICSAB		0	@ICP-QC	MO	QC	1.0	<5.00e-2		ug/g
5	ICSAB		0	@ICP-QC	NA	QC	200	1.94e+02	97.000	% Recovery
5	ICSAB		0	@ICP-QC	ND	QC	1.0	<1.00e-1		ug/g
5	ICSAB		0	@ICP-QC	NI	QC	1.0	9.42e-01	94.200	% Recovery
5	ICSAB		0	@ICP-QC	P	QC	1.0	<2.00e-1		ug/g
5	ICSAB		0	@ICP-QC	PB	QC	1.0	1.02e+00	102.000	% Recovery
5	ICSAB		0	@ICP-QC	S	QC	1.0	<1.00e-1		ug/g
5	ICSAB		0	@ICP-QC	SB	QC	1.0	<6.00e-2		ug/g
5	ICSAB		0	@ICP-QC	SE	QC	1.0	<1.00e-1		ug/g
5	ICSAB		0	@ICP-QC	SI	QC	1.0	<5.00e-2		ug/g
5	ICSAB		0	@ICP-QC	SM	QC	1.0	<1.00e-1		ug/g
5	ICSAB		0	@ICP-QC	SR	QC	1.0	<1.00e-2		ug/g
5	ICSAB		0	@ICP-QC	TI	QC	1.0	<1.00e-2		ug/g
5	ICSAB		0	@ICP-QC	TL	QC	1.0	<2.00e-1		ug/g
5	ICSAB		0	@ICP-QC	U	QC	1.0	<5.00e-1		ug/g
5	ICSAB		0	@ICP-QC	V	QC	0.5	4.72e-01	94.400	% Recovery
5	ICSAB		0	@ICP-QC	ZN	QC	1.0	9.77e-01	97.700	% Recovery
5	ICSAB		0	@ICP-QC	ZR	QC	1.0	<1.00e-2		ug/g
6	PREPSTDTJA		0	@ICP-A01	AG-A-01	SOLID	1.0	2.74e-01	27.400	% Recovery
6	PREPSTDTJA		0	@ICP-A01	AL-A-01	SOLID	5.0	4.85e+00	97.000	% Recovery
6	PREPSTDTJA		0	@ICP-A01	AS-A-01	SOLID	5.0	5.07e+00	101.400	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8626

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
6	PREPSTDTJA		0		@ICP-A01 B-A-01	SOLID	5.0	5.25e+00	105.000	% Recovery
6	PREPSTDTJA		0		@ICP-A01 BA-A-01	SOLID	5.0	4.92e+00	98.400	% Recovery
6	PREPSTDTJA		0		@ICP-A01 BE-A-01	SOLID	5.0	5.10e+00	102.000	% Recovery
6	PREPSTDTJA		0		@ICP-A01 BI-A-01	SOLID	5.0	4.92e+00	98.400	% Recovery
6	PREPSTDTJA		0		@ICP-A01 CA-A-01	SOLID	5.0	5.08e+00	101.600	% Recovery
6	PREPSTDTJA		0		@ICP-A01 CD-A-01	SOLID	5.0	4.90e+00	98.000	% Recovery
6	PREPSTDTJA		0		@ICP-A01 CE-A-01	SOLID	5.0	5.15e+00	103.000	% Recovery
6	PREPSTDTJA		0		@ICP-A01 CO-A-01	SOLID	5.0	5.01e+00	100.200	% Recovery
6	PREPSTDTJA		0		@ICP-A01 CR-A-01	SOLID	5.0	4.91e+00	98.200	% Recovery
6	PREPSTDTJA		0		@ICP-A01 CU-A-01	SOLID	5.0	4.86e+00	97.200	% Recovery
6	PREPSTDTJA		0		@ICP-A01 FE-A-01	SOLID	5.0	4.96e+00	99.200	% Recovery
6	PREPSTDTJA		0		@ICP-A01 K-A-01	SOLID	5.0	5.09e+00	101.800	% Recovery
6	PREPSTDTJA		0		@ICP-A01 LA-A-01	SOLID	5.0	5.00e+00	100.000	% Recovery
6	PREPSTDTJA		0		@ICP-A01 LI-A-01	SOLID	5.0	4.92e+00	98.400	% Recovery
6	PREPSTDTJA		0		@ICP-A01 MG-A-01	SOLID	5.0	4.63e+00	92.600	% Recovery
6	PREPSTDTJA		0		@ICP-A01 MN-A-01	SOLID	5.0	4.81e+00	96.200	% Recovery
6	PREPSTDTJA		0		@ICP-A01 MO-A-01	SOLID	5.0	4.91e+00	98.200	% Recovery
6	PREPSTDTJA		0		@ICP-A01 NA-A-01	SOLID	5.0	5.39e+00	107.800	% Recovery
6	PREPSTDTJA		0		@ICP-A01 ND-A-01	SOLID	5.0	4.95e+00	99.000	% Recovery
6	PREPSTDTJA		0		@ICP-A01 NI-A-01	SOLID	5.0	5.01e+00	100.200	% Recovery
6	PREPSTDTJA		0		@ICP-A01 P-A-01	SOLID	5.0	5.06e+00	101.200	% Recovery
6	PREPSTDTJA		0		@ICP-A01 PB-A-01	SOLID	5.0	4.74e+00	94.800	% Recovery
6	PREPSTDTJA		0		@ICP-A01 S-A-01	SOLID	5.0	4.89e+00	97.800	% Recovery
6	PREPSTDTJA		0		@ICP-A01 SB-A-01	SOLID	5.0	4.97e+00	99.400	% Recovery
6	PREPSTDTJA		0		@ICP-A01 SE-A-01	SOLID	5.0	4.67e+00	93.400	% Recovery
6	PREPSTDTJA		0		@ICP-A01 SI-A-01	SOLID	5.0	6.48e+00	129.600	% Recovery
6	PREPSTDTJA		0		@ICP-A01 SM-A-01	SOLID	5.0	4.86e+00	97.200	% Recovery
6	PREPSTDTJA		0		@ICP-A01 SR-A-01	SOLID	5.0	4.88e+00	97.600	% Recovery
6	PREPSTDTJA		0		@ICP-A01 TL-A-01	SOLID	5.0	4.69e+00	93.800	% Recovery
6	PREPSTDTJA		0		@ICP-A01 U-A-01	SOLID	10.0	9.57e+00	95.700	% Recovery
6	PREPSTDTJA		0		@ICP-A01 V-A-01	SOLID	5.0	4.86e+00	97.200	% Recovery
6	PREPSTDTJA		0		@ICP-A01 ZN-A-01	SOLID	5.0	4.79e+00	95.800	% Recovery
6	PREPSTDTJA		0		@ICP-A01 ZR-A-01	SOLID	5.0	5.12e+00	102.400	% Recovery
6	PREPSTDTJA		0		@ICP-A01 TI-A-01	SOLID	5.0	4.52e+00	90.400	% Recovery
7	PREPBLKTJA		0		@ICP-A01 AG-A-01	SOLID	1	<1.00e-2		ug/g
7	PREPBLKTJA		0		@ICP-A01 AL-A-01	SOLID	1	<5.00e-2		ug/g
7	PREPBLKTJA		0		@ICP-A01 AS-A-01	SOLID	1	<1.00e-1		ug/g
7	PREPBLKTJA		0		@ICP-A01 B-A-01	SOLID	1	1.40e-01	0.140	ug/g
7	PREPBLKTJA		0		@ICP-A01 BA-A-01	SOLID	1	<5.00e-2		ug/g
7	PREPBLKTJA		0		@ICP-A01 BE-A-01	SOLID	1	<5.00e-3		ug/g
7	PREPBLKTJA		0		@ICP-A01 BI-A-01	SOLID	1	<1.00e-1		ug/g
7	PREPBLKTJA		0		@ICP-A01 CA-A-01	SOLID	1	1.30e-01	0.130	ug/g
7	PREPBLKTJA		0		@ICP-A01 CD-A-01	SOLID	1	<5.00e-3		ug/g
7	PREPBLKTJA		0		@ICP-A01 CE-A-01	SOLID	1	<1.00e-1		ug/g
7	PREPBLKTJA		0		@ICP-A01 CO-A-01	SOLID	1	<2.00e-2		ug/g
7	PREPBLKTJA		0		@ICP-A01 CR-A-01	SOLID	1	<1.00e-2		ug/g
7	PREPBLKTJA		0		@ICP-A01 CU-A-01	SOLID	1	<1.00e-2		ug/g
7	PREPBLKTJA		0		@ICP-A01 FE-A-01	SOLID	1	6.43e-02	0.064	ug/g
7	PREPBLKTJA		0		@ICP-A01 K-A-01	SOLID	1	<5.00e-1		ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8626

Seq	Type	Sample#	R	A	Test	Matrix	Actual		Found	DL or Yield	Unit
7	PREPBLKTJA		0		@ICP-A01 LA-A-01	SOLID	1		<5.00e-2		ug/g
7	PREPBLKTJA		0		@ICP-A01 LI-A-01	SOLID	1		<1.00e-2		ug/g
7	PREPBLKTJA		0		@ICP-A01 MG-A-01	SOLID	1		<1.00e-1		ug/g
7	PREPBLKTJA		0		@ICP-A01 MN-A-01	SOLID	1		<1.00e-2		ug/g
7	PREPBLKTJA		0		@ICP-A01 MO-A-01	SOLID	1		<5.00e-2		ug/g
7	PREPBLKTJA		0		@ICP-A01 NA-A-01	SOLID	1		2.62e-01	0.262	ug/g
7	PREPBLKTJA		0		@ICP-A01 ND-A-01	SOLID	1		<1.00e-1		ug/g
7	PREPBLKTJA		0		@ICP-A01 NI-A-01	SOLID	1		<2.00e-2		ug/g
7	PREPBLKTJA		0		@ICP-A01 P-A-01	SOLID	1		<2.00e-1		ug/g
7	PREPBLKTJA		0		@ICP-A01 PB-A-01	SOLID	1		<1.00e-1		ug/g
7	PREPBLKTJA		0		@ICP-A01 S-A-01	SOLID	1		<1.00e-1		ug/g
7	PREPBLKTJA		0		@ICP-A01 SB-A-01	SOLID	1		<6.00e-2		ug/g
7	PREPBLKTJA		0		@ICP-A01 SE-A-01	SOLID	1		<1.00e-1		ug/g
7	PREPBLKTJA		0		@ICP-A01 SI-A-01	SOLID	1		<5.00e-2		ug/g
7	PREPBLKTJA		0		@ICP-A01 SM-A-01	SOLID	1		<1.00e-1		ug/g
7	PREPBLKTJA		0		@ICP-A01 SR-A-01	SOLID	1		<1.00e-2		ug/g
7	PREPBLKTJA		0		@ICP-A01 TL-A-01	SOLID	1		<2.00e-1		ug/g
7	PREPBLKTJA		0		@ICP-A01 U-A-01	SOLID	1		<5.00e-1		ug/g
7	PREPBLKTJA		0		@ICP-A01 V-A-01	SOLID	1		<5.00e-2		ug/g
7	PREPBLKTJA		0		@ICP-A01 ZN-A-01	SOLID	1		<1.00e-2		ug/g
7	PREPBLKTJA		0		@ICP-A01 ZR-A-01	SOLID	1		<1.00e-2		ug/g
7	PREPBLKTJA		0		@ICP-A01 TI-A-01	SOLID	1		<1.00e-2		ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 AG-A-01	SOLID	N/A		1.64e+01	5.650	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 AL-A-01	SOLID	N/A		1.18e+04	28.200	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 AS-A-01	SOLID	N/A	<	5.65e+01	56.500	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 B-A-01	SOLID	N/A		1.51e+02	28.200	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 BA-A-01	SOLID	N/A	<	2.82e+01	28.200	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 BE-A-01	SOLID	N/A	<	2.82e+00	2.830	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 BI-A-01	SOLID	N/A	<	5.65e+01	56.500	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 CA-A-01	SOLID	N/A		3.22e+02	56.500	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 CD-A-01	SOLID	N/A	<	2.82e+00	2.830	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 CE-A-01	SOLID	N/A	<	5.65e+01	56.500	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 CO-A-01	SOLID	N/A	<	1.13e+01	11.300	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 CR-A-01	SOLID	N/A		1.85e+03	5.650	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 CU-A-01	SOLID	N/A		6.73e+00	5.650	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 FE-A-01	SOLID	N/A		1.44e+02	28.200	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 K-A-01	SOLID	N/A		8.70e+02	282.000	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 LA-A-01	SOLID	N/A	<	2.82e+01	28.200	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 LI-A-01	SOLID	N/A	<	5.65e+00	5.650	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 MG-A-01	SOLID	N/A	<	5.65e+01	56.500	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 MN-A-01	SOLID	N/A		3.36e+01	5.650	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 MO-A-01	SOLID	N/A	<	2.82e+01	28.200	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 NA-A-01	SOLID	N/A		2.28e+05	56.500	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 ND-A-01	SOLID	N/A	<	5.65e+01	56.500	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 NI-A-01	SOLID	N/A		2.01e+01	11.300	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 P-A-01	SOLID	N/A		2.20e+03	113.000	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 PB-A-01	SOLID	N/A	<	5.65e+01	56.500	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 S-A-01	SOLID	N/A		1.49e+03	56.500	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01 SB-A-01	SOLID	N/A	<	3.39e+01	33.900	ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8626

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
8	SAMPLE	S96T001586	0	A	@ICP-A01	SE-A-01	SOLID	N/A	<	5.65e+01	56.500	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01	SI-A-01	SOLID	N/A		2.08e+02	28.200	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01	SM-A-01	SOLID	N/A	<	5.65e+01	56.500	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01	SR-A-01	SOLID	N/A	<	5.65e+00	5.650	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01	TI-A-01	SOLID	N/A	<	5.65e+00	5.650	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01	TL-A-01	SOLID	N/A	<	1.13e+02	113.000	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01	U-A-01	SOLID	N/A	<	2.82e+02	282.000	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01	V-A-01	SOLID	N/A	<	2.82e+01	28.200	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01	ZN-A-01	SOLID	N/A		3.87e+01	5.650	ug/g
8	SAMPLE	S96T001586	0	A	@ICP-A01	ZR-A-01	SOLID	N/A	<	5.65e+00	5.650	ug/g
9	DUP	S96T001586	0	A	@ICP-A01	AG-A-01	SOLID	1.64e+01		1.58e+01	3.727	RPD
9	DUP	S96T001586	0	A	@ICP-A01	AL-A-01	SOLID	1.18e+04		1.05e+04	11.659	RPD
9	DUP	S96T001586	0	A	@ICP-A01	AS-A-01	SOLID	<5.65e1		<5.91e1		RPD
9	DUP	S96T001586	0	A	@ICP-A01	B-A-01	SOLID	1.51e+02		8.13e+01	60.009	RPD
9	DUP	S96T001586	0	A	@ICP-A01	BA-A-01	SOLID	<2.82e1		<2.95e1		RPD
9	DUP	S96T001586	0	A	@ICP-A01	BE-A-01	SOLID	<2.82e0		<2.95e0		RPD
9	DUP	S96T001586	0	A	@ICP-A01	BI-A-01	SOLID	<5.65e1		<5.91e1		RPD
9	DUP	S96T001586	0	A	@ICP-A01	CA-A-01	SOLID	3.22e+02		2.96e+02	8.414	RPD
9	DUP	S96T001586	0	A	@ICP-A01	CD-A-01	SOLID	<2.82e0		<2.95e0		RPD
9	DUP	S96T001586	0	A	@ICP-A01	CE-A-01	SOLID	<5.65e1		<5.91e1		RPD
9	DUP	S96T001586	0	A	@ICP-A01	CO-A-01	SOLID	<1.13e1		<1.18e1		RPD
9	DUP	S96T001586	0	A	@ICP-A01	CR-A-01	SOLID	1.85e+03		1.96e+03	5.774	RPD
9	DUP	S96T001586	0	A	@ICP-A01	CU-A-01	SOLID	6.73e+00		6.64e+00	1.346	RPD
9	DUP	S96T001586	0	A	@ICP-A01	FE-A-01	SOLID	1.44e+02		8.03e+01	56.799	RPD
9	DUP	S96T001586	0	A	@ICP-A01	K-A-01	SOLID	8.70e+02		7.61e+02	13.366	RPD
9	DUP	S96T001586	0	A	@ICP-A01	LA-A-01	SOLID	<2.82e1		<2.95e1		RPD
9	DUP	S96T001586	0	A	@ICP-A01	LI-A-01	SOLID	<5.65e0		<5.91e0		RPD
9	DUP	S96T001586	0	A	@ICP-A01	MG-A-01	SOLID	<5.65e1		<5.91e1		RPD
9	DUP	S96T001586	0	A	@ICP-A01	MN-A-01	SOLID	3.36e+01		3.29e+01	2.105	RPD
9	DUP	S96T001586	0	A	@ICP-A01	MO-A-01	SOLID	<2.82e1		<2.95e1		RPD
9	DUP	S96T001586	0	A	@ICP-A01	NA-A-01	SOLID	2.28e+05		2.25e+05	1.325	RPD
9	DUP	S96T001586	0	A	@ICP-A01	ND-A-01	SOLID	<5.65e1		<5.91e1		RPD
9	DUP	S96T001586	0	A	@ICP-A01	NI-A-01	SOLID	2.01e+01		2.10e+01	4.380	RPD
9	DUP	S96T001586	0	A	@ICP-A01	P-A-01	SOLID	2.20e+03		2.21e+03	0.454	RPD
9	DUP	S96T001586	0	A	@ICP-A01	PB-A-01	SOLID	<5.65e1		<5.91e1		RPD
9	DUP	S96T001586	0	A	@ICP-A01	S-A-01	SOLID	1.49e+03		1.60e+03	7.120	RPD
9	DUP	S96T001586	0	A	@ICP-A01	SB-A-01	SOLID	<3.39e1		<3.54e1		RPD
9	DUP	S96T001586	0	A	@ICP-A01	SE-A-01	SOLID	<5.65e1		<5.91e1		RPD
9	DUP	S96T001586	0	A	@ICP-A01	SI-A-01	SOLID	2.08e+02		1.92e+02	8.000	RPD
9	DUP	S96T001586	0	A	@ICP-A01	SM-A-01	SOLID	<5.65e1		<5.91e1		RPD
9	DUP	S96T001586	0	A	@ICP-A01	SR-A-01	SOLID	<5.65e0		<5.91e0		RPD
9	DUP	S96T001586	0	A	@ICP-A01	TL-A-01	SOLID	<1.13e2		<1.18e2		RPD
9	DUP	S96T001586	0	A	@ICP-A01	U-A-01	SOLID	<2.82e2		<2.95e2		RPD
9	DUP	S96T001586	0	A	@ICP-A01	V-A-01	SOLID	<2.82e1		<2.95e1		RPD
9	DUP	S96T001586	0	A	@ICP-A01	ZN-A-01	SOLID	3.87e+01		2.72e+01	34.901	RPD
9	DUP	S96T001586	0	A	@ICP-A01	ZR-A-01	SOLID	<5.65e0		<5.91e0		RPD
9	DUP	S96T001586	0	A	@ICP-A01	TI-A-01	SOLID	<5.65e0		<5.91e0		RPD
10	SPK-PREDIG	S96T001586	0	A	@ICP-A01	AG-A-01	SOLID	1.0		0.745	74.500	% Recovery
10	SPK-PREDIG	S96T001586	0	A	@ICP-A01	AL-A-01	SOLID	5.0		4.213	84.260	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8626

Seq	Type	Sample#	R	A		Test	Matrix	Actual	Found	DL or Yield	Unit
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	AS-A-01	SOLID	5.0	4.95e+00	99.000	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	B-A-01	SOLID	5.0	4.663	93.260	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	BA-A-01	SOLID	5.0	4.85e+00	97.000	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	BE-A-01	SOLID	5.0	4.95e+00	99.000	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	BI-A-01	SOLID	5.0	4.88e+00	97.600	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	CA-A-01	SOLID	5.0	4.670	93.400	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	CD-A-01	SOLID	5.0	4.79e+00	95.800	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	CE-A-01	SOLID	5.0	5.06e+00	101.200	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	CO-A-01	SOLID	5.0	4.89e+00	97.800	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	CR-A-01	SOLID	5.0	5.446	108.920	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	CU-A-01	SOLID	5.0	4.698	93.960	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	FE-A-01	SOLID	5.0	4.685	93.700	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	K-A-01	SOLID	5.0	5.120	102.400	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	LA-A-01	SOLID	5.0	4.94e+00	98.800	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	LI-A-01	SOLID	5.0	4.79e+00	95.800	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	MG-A-01	SOLID	5.0	4.48e+00	89.600	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	MN-A-01	SOLID	5.0	4.701	94.020	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	MO-A-01	SOLID	5.0	4.84e+00	96.800	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	NA-A-01	SOLID	5.0	20.591	411.820	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	ND-A-01	SOLID	5.0	4.87e+00	97.400	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	NI-A-01	SOLID	5.0	4.834	96.680	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	P-A-01	SOLID	5.0	5.453	109.060	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	PB-A-01	SOLID	5.0	4.76e+00	95.200	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	S-A-01	SOLID	5.0	5.426	108.520	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	SB-A-01	SOLID	5.0	4.79e+00	95.800	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	SE-A-01	SOLID	5.0	4.58e+00	91.600	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	SI-A-01	SOLID	5.0	4.871	97.420	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	SM-A-01	SOLID	5.0	4.79e+00	95.800	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	SR-A-01	SOLID	5.0	4.79e+00	95.800	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	TL-A-01	SOLID	5.0	4.57e+00	91.400	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	U-A-01	SOLID	10.0	9.40e+00	94.000	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	V-A-01	SOLID	5.0	4.76e+00	95.200	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	ZN-A-01	SOLID	5.0	4.691	93.820	% Recovery
10	SPK	PREDIGS96T001586	0	A	@ICP-A01	ZR-A-01	SOLID	5.0	4.75e+00	95.000	% Recovery
11	CCV		0		@ICP-QC	AG	QC	5.0	4.94e+00	98.800	% Recovery
11	CCV		0		@ICP-QC	AL	QC	5.0	4.87e+00	97.400	% Recovery
11	CCV		0		@ICP-QC	AS	QC	5.0	5.14e+00	102.800	% Recovery
11	CCV		0		@ICP-QC	B	QC	5.0	5.02e+00	100.400	% Recovery
11	CCV		0		@ICP-QC	BA	QC	5.0	5.02e+00	100.400	% Recovery
11	CCV		0		@ICP-QC	BE	QC	5.0	5.12e+00	102.400	% Recovery
11	CCV		0		@ICP-QC	BI	QC	5.0	5.11e+00	102.200	% Recovery
11	CCV		0		@ICP-QC	CA	QC	5.0	5.08e+00	101.600	% Recovery
11	CCV		0		@ICP-QC	CD	QC	5.0	4.99e+00	99.800	% Recovery
11	CCV		0		@ICP-QC	CE	QC	5.0	5.17e+00	103.400	% Recovery
11	CCV		0		@ICP-QC	CO	QC	5.0	5.02e+00	100.400	% Recovery
11	CCV		0		@ICP-QC	CR	QC	5.0	5.06e+00	101.200	% Recovery
11	CCV		0		@ICP-QC	CU	QC	5.0	5.17e+00	103.400	% Recovery
11	CCV		0		@ICP-QC	FE	QC	5.0	5.04e+00	100.800	% Recovery
11	CCV		0		@ICP-QC	K	QC	5.0	5.01e+00	100.200	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8626

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
11	CCV		0	@ICP-QC	LA	QC	5.0	5.06e+00	101.200	% Recovery
11	CCV		0	@ICP-QC	LI	QC	5.0	5.04e+00	100.800	% Recovery
11	CCV		0	@ICP-QC	MG	QC	5.0	4.85e+00	97.000	% Recovery
11	CCV		0	@ICP-QC	MN	QC	5.0	4.92e+00	98.400	% Recovery
11	CCV		0	@ICP-QC	MO	QC	5.0	5.03e+00	100.600	% Recovery
11	CCV		0	@ICP-QC	NA	QC	5.0	4.97e+00	99.400	% Recovery
11	CCV		0	@ICP-QC	ND	QC	5.0	5.13e+00	102.600	% Recovery
11	CCV		0	@ICP-QC	NI	QC	5.0	4.98e+00	99.600	% Recovery
11	CCV		0	@ICP-QC	P	QC	5.0	4.99e+00	99.800	% Recovery
11	CCV		0	@ICP-QC	PB	QC	5.0	4.97e+00	99.400	% Recovery
11	CCV		0	@ICP-QC	S	QC	5.0	4.95e+00	99.000	% Recovery
11	CCV		0	@ICP-QC	SB	QC	5.0	4.76e+00	95.200	% Recovery
11	CCV		0	@ICP-QC	SE	QC	5.0	4.86e+00	97.200	% Recovery
11	CCV		0	@ICP-QC	SI	QC	5.0	4.82e+00	96.400	% Recovery
11	CCV		0	@ICP-QC	SM	QC	5.0	4.92e+00	98.400	% Recovery
11	CCV		0	@ICP-QC	SR	QC	5.0	4.97e+00	99.400	% Recovery
11	CCV		0	@ICP-QC	TI	QC	5.0	4.87e+00	97.400	% Recovery
11	CCV		0	@ICP-QC	TL	QC	5.0	4.83e+00	96.600	% Recovery
11	CCV		0	@ICP-QC	U	QC	10.	9.72e+00	97.200	% Recovery
11	CCV		0	@ICP-QC	V	QC	5.0	5.01e+00	100.200	% Recovery
11	CCV		0	@ICP-QC	ZN	QC	5.0	5.01e+00	100.200	% Recovery
11	CCV		0	@ICP-QC	ZR	QC	5.0	4.95e+00	99.000	% Recovery
12	CCB		0	@ICP-QC	AG	QC	1	<1.00e-2		ug/g
12	CCB		0	@ICP-QC	AL	QC	1	<5.00e-2		ug/g
12	CCB		0	@ICP-QC	AS	QC	1	<1.00e-1		ug/g
12	CCB		0	@ICP-QC	B	QC	1	<5.00e-2		ug/g
12	CCB		0	@ICP-QC	BA	QC	1	<5.00e-2		ug/g
12	CCB		0	@ICP-QC	BE	QC	1	<5.00e-3		ug/g
12	CCB		0	@ICP-QC	BI	QC	1	<1.00e-1		ug/g
12	CCB		0	@ICP-QC	CA	QC	1	<1.00e-1		ug/g
12	CCB		0	@ICP-QC	CD	QC	1	<5.00e-3		ug/g
12	CCB		0	@ICP-QC	CE	QC	1	<1.00e-1		ug/g
12	CCB		0	@ICP-QC	CO	QC	1	<2.00e-2		ug/g
12	CCB		0	@ICP-QC	CR	QC	1	<1.00e-2		ug/g
12	CCB		0	@ICP-QC	CU	QC	1	<1.00e-2		ug/g
12	CCB		0	@ICP-QC	FE	QC	1	<5.00e-2		ug/g
12	CCB		0	@ICP-QC	K	QC	1	<5.00e-1		ug/g
12	CCB		0	@ICP-QC	LA	QC	1	<5.00e-2		ug/g
12	CCB		0	@ICP-QC	LI	QC	1	<1.00e-2		ug/g
12	CCB		0	@ICP-QC	MG	QC	1	<1.00e-1		ug/g
12	CCB		0	@ICP-QC	MN	QC	1	<1.00e-2		ug/g
12	CCB		0	@ICP-QC	MO	QC	1	<5.00e-2		ug/g
12	CCB		0	@ICP-QC	NA	QC	1	<1.00e-1		ug/g
12	CCB		0	@ICP-QC	ND	QC	1	<1.00e-1		ug/g
12	CCB		0	@ICP-QC	NI	QC	1	<2.00e-2		ug/g
12	CCB		0	@ICP-QC	P	QC	1	<2.00e-1		ug/g
12	CCB		0	@ICP-QC	PB	QC	1	<1.00e-1		ug/g
12	CCB		0	@ICP-QC	S	QC	1	<1.00e-1		ug/g
12	CCB		0	@ICP-QC	SB	QC	1	<6.00e-2		ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8626

Seq	Type	Sample#	R	A		Test	Matrix	Actual		Found	DL or Yield	Unit
12	CCB		0		@ICP-QC	SE	QC	1		<1.00e-1		ug/g
12	CCB		0		@ICP-QC	SI	QC	1		<5.00e-2		ug/g
12	CCB		0		@ICP-QC	SM	QC	1		<1.00e-1		ug/g
12	CCB		0		@ICP-QC	SR	QC	1		<1.00e-2		ug/g
12	CCB		0		@ICP-QC	TI	QC	1		<1.00e-2		ug/g
12	CCB		0		@ICP-QC	TL	QC	1		<2.00e-1		ug/g
12	CCB		0		@ICP-QC	U	QC	1		<5.00e-1		ug/g
12	CCB		0		@ICP-QC	V	QC	1		<5.00e-2		ug/g
12	CCB		0		@ICP-QC	ZN	QC	1		<1.00e-2		ug/g
12	CCB		0		@ICP-QC	ZR	QC	1		<1.00e-2		ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	AG-A-01	SOLID	N/A		1.83e+01	5.170	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	AL-A-01	SOLID	N/A		1.48e+04	25.800	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	AS-A-01	SOLID	N/A	<	5.17e+01	51.700	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	B-A-01	SOLID	N/A		2.44e+02	25.800	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	BA-A-01	SOLID	N/A	<	2.58e+01	25.800	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	BE-A-01	SOLID	N/A	<	2.58e+00	2.580	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	BI-A-01	SOLID	N/A		7.39e+01	51.700	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	CA-A-01	SOLID	N/A		1.44e+02	51.700	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	CD-A-01	SOLID	N/A		9.88e+00	2.580	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	CE-A-01	SOLID	N/A	<	5.17e+01	51.700	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	CO-A-01	SOLID	N/A	<	1.03e+01	10.300	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	CR-A-01	SOLID	N/A		4.04e+03	5.170	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	CU-A-01	SOLID	N/A		7.86e+00	5.170	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	FE-A-01	SOLID	N/A		1.32e+03	25.800	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	K-A-01	SOLID	N/A		1.02e+03	258.000	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	LA-A-01	SOLID	N/A	<	2.58e+01	25.800	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	LI-A-01	SOLID	N/A		6.81e+00	5.170	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	MG-A-01	SOLID	N/A	<	5.17e+01	51.700	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	MN-A-01	SOLID	N/A		7.51e+02	5.170	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	MO-A-01	SOLID	N/A		3.37e+01	25.800	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	NA-A-01	SOLID	N/A		1.99e+05	51.700	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	ND-A-01	SOLID	N/A	<	5.17e+01	51.700	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	NI-A-01	SOLID	N/A		4.71e+01	10.300	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	P-A-01	SOLID	N/A		4.19e+04	103.000	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	PB-A-01	SOLID	N/A		8.94e+01	51.700	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	S-A-01	SOLID	N/A		3.86e+03	51.700	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	SB-A-01	SOLID	N/A	<	3.10e+01	31.000	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	SE-A-01	SOLID	N/A	<	5.17e+01	51.700	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	SI-A-01	SOLID	N/A		1.34e+03	25.800	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	SM-A-01	SOLID	N/A	<	5.17e+01	51.700	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	SR-A-01	SOLID	N/A	<	5.17e+00	5.170	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	TI-A-01	SOLID	N/A	<	5.17e+00	5.170	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	TL-A-01	SOLID	N/A	<	1.03e+02	103.000	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	U-A-01	SOLID	N/A		1.04e+03	258.000	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	V-A-01	SOLID	N/A		4.27e+01	25.800	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	ZN-A-01	SOLID	N/A		3.32e+01	5.170	ug/g
13	SAMPLE	S96T001587	0	A	@ICP-A01	ZR-A-01	SOLID	N/A		4.44e+01	5.170	ug/g
14	DUP	S96T001587	0	A	@ICP-A01	AG-A-01	SOLID	1.83e+01		1.80e+01	1.653	RPD
14	DUP	S96T001587	0	A	@ICP-A01	AL-A-01	SOLID	1.48e+04		1.70e+04	13.836	RPD

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8626

Seq	Type	Sample#	R	A	Test	Matrix	Actual		Found	DL or Yield	Unit
14	DUP	S96T001587	0	A	@ICP-A01 AS-A-01	SOLID	<5.17e1		<6.05e1		RPD
14	DUP	S96T001587	0	A	@ICP-A01 B-A-01	SOLID	2.44e+02		2.08e+02	15.929	RPD
14	DUP	S96T001587	0	A	@ICP-A01 BA-A-01	SOLID	<2.58e1		<3.03e1		RPD
14	DUP	S96T001587	0	A	@ICP-A01 BE-A-01	SOLID	<2.58e0		<3.03e0		RPD
14	DUP	S96T001587	0	A	@ICP-A01 BI-A-01	SOLID	7.39e+01		9.29e+01	22.782	RPD
14	DUP	S96T001587	0	A	@ICP-A01 CA-A-01	SOLID	1.44e+02		1.87e+02	25.982	RPD
14	DUP	S96T001587	0	A	@ICP-A01 CD-A-01	SOLID	9.88e+00		9.23e+00	6.803	RPD
14	DUP	S96T001587	0	A	@ICP-A01 CE-A-01	SOLID	<5.17e1		<6.05e1		RPD
14	DUP	S96T001587	0	A	@ICP-A01 CO-A-01	SOLID	<1.03e1		<1.21e1		RPD
14	DUP	S96T001587	0	A	@ICP-A01 CR-A-01	SOLID	4.04e+03		3.59e+03	11.796	RPD
14	DUP	S96T001587	0	A	@ICP-A01 CU-A-01	SOLID	7.86e+00		7.05e+00	10.865	RPD
14	DUP	S96T001587	0	A	@ICP-A01 FE-A-01	SOLID	1.32e+03		1.22e+03	7.874	RPD
14	DUP	S96T001587	0	A	@ICP-A01 K-A-01	SOLID	1.02e+03		1.12e+03	9.346	RPD
14	DUP	S96T001587	0	A	@ICP-A01 LA-A-01	SOLID	<2.58e1		<3.03e1		RPD
14	DUP	S96T001587	0	A	@ICP-A01 LI-A-01	SOLID	6.81e+00		<6.05e0		RPD
14	DUP	S96T001587	0	A	@ICP-A01 MG-A-01	SOLID	<5.17e1		<6.05e1		RPD
14	DUP	S96T001587	0	A	@ICP-A01 MN-A-01	SOLID	7.51e+02		6.70e+02	11.400	RPD
14	DUP	S96T001587	0	A	@ICP-A01 MO-A-01	SOLID	3.37e+01		3.94e+01	15.595	RPD
14	DUP	S96T001587	0	A	@ICP-A01 NA-A-01	SOLID	1.99e+05		1.95e+05	2.030	RPD
14	DUP	S96T001587	0	A	@ICP-A01 ND-A-01	SOLID	<5.17e1		<6.05e1		RPD
14	DUP	S96T001587	0	A	@ICP-A01 NI-A-01	SOLID	4.71e+01		4.08e+01	14.334	RPD
14	DUP	S96T001587	0	A	@ICP-A01 P-A-01	SOLID	4.19e+04		3.56e+04	16.258	RPD
14	DUP	S96T001587	0	A	@ICP-A01 PB-A-01	SOLID	8.94e+01		8.56e+01	4.343	RPD
14	DUP	S96T001587	0	A	@ICP-A01 S-A-01	SOLID	3.86e+03		3.42e+03	12.088	RPD
14	DUP	S96T001587	0	A	@ICP-A01 SB-A-01	SOLID	<3.10e1		<3.63e1		RPD
14	DUP	S96T001587	0	A	@ICP-A01 SE-A-01	SOLID	<5.17e1		<6.05e1		RPD
14	DUP	S96T001587	0	A	@ICP-A01 SI-A-01	SOLID	1.34e+03		9.77e+02	31.334	RPD
14	DUP	S96T001587	0	A	@ICP-A01 SM-A-01	SOLID	<5.17e1		<6.05e1		RPD
14	DUP	S96T001587	0	A	@ICP-A01 SR-A-01	SOLID	<5.17e0		<6.05e0		RPD
14	DUP	S96T001587	0	A	@ICP-A01 TL-A-01	SOLID	<1.03e2		<1.21e2		RPD
14	DUP	S96T001587	0	A	@ICP-A01 U-A-01	SOLID	1.04e+03		1.24e+03	17.544	RPD
14	DUP	S96T001587	0	A	@ICP-A01 V-A-01	SOLID	4.27e+01		3.64e+01	15.929	RPD
14	DUP	S96T001587	0	A	@ICP-A01 ZN-A-01	SOLID	3.32e+01		3.45e+01	3.840	RPD
14	DUP	S96T001587	0	A	@ICP-A01 ZR-A-01	SOLID	4.44e+01		4.06e+01	8.941	RPD
14	DUP	S96T001587	0	A	@ICP-A01 TI-A-01	SOLID	<5.17e0		<6.05e0		RPD
15	SAMPLE	S96T001588	0	A	@ICP-A01 AG-A-01	SOLID	N/A		1.85e+01	5.150	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 AL-A-01	SOLID	N/A		2.63e+04	25.700	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 AS-A-01	SOLID	N/A	<	5.15e+01	51.500	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 B-A-01	SOLID	N/A		1.45e+02	25.700	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 BA-A-01	SOLID	N/A	<	2.57e+01	25.700	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 BE-A-01	SOLID	N/A	<	2.57e+00	2.570	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 BI-A-01	SOLID	N/A	<	5.15e+01	51.500	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 CA-A-01	SOLID	N/A		1.12e+03	51.500	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 CD-A-01	SOLID	N/A		6.76e+00	2.570	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 CE-A-01	SOLID	N/A	<	5.15e+01	51.500	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 CO-A-01	SOLID	N/A	<	1.03e+01	10.300	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 CR-A-01	SOLID	N/A		4.33e+03	5.150	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 CU-A-01	SOLID	N/A		9.45e+00	5.150	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 FE-A-01	SOLID	N/A		1.35e+03	25.700	ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8626

Seq	Type	Sample#	R	A	Test	Matrix	Actual		Found	DL or Yield	Unit
15	SAMPLE	S96T001588	0	A	@ICP-A01 K-A-01	SOLID	N/A		1.15e+03	257.000	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 LA-A-01	SOLID	N/A	<	2.57e+01	25.700	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 LI-A-01	SOLID	N/A	<	5.15e+00	5.150	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 MG-A-01	SOLID	N/A		1.63e+02	51.500	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 MN-A-01	SOLID	N/A		4.35e+02	5.150	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 MO-A-01	SOLID	N/A		3.98e+01	25.700	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 NA-A-01	SOLID	N/A		1.89e+05	51.500	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 ND-A-01	SOLID	N/A	<	5.15e+01	51.500	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 NI-A-01	SOLID	N/A		5.55e+01	10.300	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 P-A-01	SOLID	N/A		1.77e+04	103.000	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 PB-A-01	SOLID	N/A		1.00e+02	51.500	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 S-A-01	SOLID	N/A		1.64e+03	51.500	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 SB-A-01	SOLID	N/A	<	3.09e+01	30.900	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 SE-A-01	SOLID	N/A	<	5.15e+01	51.500	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 SI-A-01	SOLID	N/A		7.03e+02	25.700	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 SM-A-01	SOLID	N/A	<	5.15e+01	51.500	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 SR-A-01	SOLID	N/A		6.33e+00	5.150	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 TI-A-01	SOLID	N/A		2.02e+01	5.150	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 TL-A-01	SOLID	N/A	<	1.03e+02	103.000	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 U-A-01	SOLID	N/A		4.34e+03	257.000	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 V-A-01	SOLID	N/A	<	2.57e+01	25.700	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 ZN-A-01	SOLID	N/A		5.16e+01	5.150	ug/g
15	SAMPLE	S96T001588	0	A	@ICP-A01 ZR-A-01	SOLID	N/A		3.01e+01	5.150	ug/g
16	DUP	S96T001588	0	A	@ICP-A01 AG-A-01	SOLID	1.85e+01		1.87e+01	1.075	RPD
16	DUP	S96T001588	0	A	@ICP-A01 AL-A-01	SOLID	2.63e+04		2.63e+04	0.000	RPD
16	DUP	S96T001588	0	A	@ICP-A01 AS-A-01	SOLID	<5.15e1		<4.24e1		RPD
16	DUP	S96T001588	0	A	@ICP-A01 B-A-01	SOLID	1.45e+02		2.04e+02	33.811	RPD
16	DUP	S96T001588	0	A	@ICP-A01 BA-A-01	SOLID	<2.57e1		<2.12e1		RPD
16	DUP	S96T001588	0	A	@ICP-A01 BE-A-01	SOLID	<2.57e0		<2.12e0		RPD
16	DUP	S96T001588	0	A	@ICP-A01 BI-A-01	SOLID	<5.15e1		5.20e+01		RPD
16	DUP	S96T001588	0	A	@ICP-A01 CA-A-01	SOLID	1.12e+03		3.38e+02	107.270	RPD
16	DUP	S96T001588	0	A	@ICP-A01 CD-A-01	SOLID	6.76e+00		7.08e+00	4.624	RPD
16	DUP	S96T001588	0	A	@ICP-A01 CE-A-01	SOLID	<5.15e1		<4.24e1		RPD
16	DUP	S96T001588	0	A	@ICP-A01 CO-A-01	SOLID	<1.03e1		<8.49e0		RPD
16	DUP	S96T001588	0	A	@ICP-A01 CR-A-01	SOLID	4.33e+03		4.33e+03	0.000	RPD
16	DUP	S96T001588	0	A	@ICP-A01 CU-A-01	SOLID	9.45e+00		8.69e+00	8.379	RPD
16	DUP	S96T001588	0	A	@ICP-A01 FE-A-01	SOLID	1.35e+03		1.12e+03	18.623	RPD
16	DUP	S96T001588	0	A	@ICP-A01 K-A-01	SOLID	1.15e+03		1.20e+03	4.255	RPD
16	DUP	S96T001588	0	A	@ICP-A01 LA-A-01	SOLID	<2.57e1		<2.12e1		RPD
16	DUP	S96T001588	0	A	@ICP-A01 LI-A-01	SOLID	<5.15e0		<4.24e0		RPD
16	DUP	S96T001588	0	A	@ICP-A01 MG-A-01	SOLID	1.63e+02		<4.24e1		RPD
16	DUP	S96T001588	0	A	@ICP-A01 MN-A-01	SOLID	4.35e+02		4.50e+02	3.390	RPD
16	DUP	S96T001588	0	A	@ICP-A01 MO-A-01	SOLID	3.98e+01		3.84e+01	3.581	RPD
16	DUP	S96T001588	0	A	@ICP-A01 NA-A-01	SOLID	1.89e+05		1.95e+05	3.125	RPD
16	DUP	S96T001588	0	A	@ICP-A01 ND-A-01	SOLID	<5.15e1		<4.24e1		RPD
16	DUP	S96T001588	0	A	@ICP-A01 NI-A-01	SOLID	5.55e+01		5.22e+01	6.128	RPD
16	DUP	S96T001588	0	A	@ICP-A01 P-A-01	SOLID	1.77e+04		1.95e+04	9.677	RPD
16	DUP	S96T001588	0	A	@ICP-A01 PB-A-01	SOLID	1.00e+02		9.68e+01	3.252	RPD
16	DUP	S96T001588	0	A	@ICP-A01 S-A-01	SOLID	1.64e+03		1.74e+03	5.917	RPD

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8626

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
16	DUP	S96T001588	0	A	@ICP-A01	SB-A-01	SOLID	<3.09e1	<2.55e1		RPD
16	DUP	S96T001588	0	A	@ICP-A01	SE-A-01	SOLID	<5.15e1	<4.24e1		RPD
16	DUP	S96T001588	0	A	@ICP-A01	SI-A-01	SOLID	7.03e+02	9.19e+02	26.634	RPD
16	DUP	S96T001588	0	A	@ICP-A01	SM-A-01	SOLID	<5.15e1	<4.24e1		RPD
16	DUP	S96T001588	0	A	@ICP-A01	SR-A-01	SOLID	6.33e+00	<4.24e0		RPD
16	DUP	S96T001588	0	A	@ICP-A01	TL-A-01	SOLID	<1.03e2	<8.49e1		RPD
16	DUP	S96T001588	0	A	@ICP-A01	U-A-01	SOLID	4.34e+03	4.74e+03	8.811	RPD
16	DUP	S96T001588	0	A	@ICP-A01	V-A-01	SOLID	<2.57e1	<2.12e1		RPD
16	DUP	S96T001588	0	A	@ICP-A01	ZN-A-01	SOLID	5.16e+01	5.11e+01	0.974	RPD
16	DUP	S96T001588	0	A	@ICP-A01	ZR-A-01	SOLID	3.01e+01	3.18e+01	5.493	RPD
16	DUP	S96T001588	0	A	@ICP-A01	TI-A-01	SOLID	2.02e+01	6.74e+00	99.926	RPD
17	ICSA		0		@ICP-QC	AG	QC	1	<1.00e-2		ug/g
17	ICSA		0		@ICP-QC	AL	QC	250	2.43e+02	97.200	% Recovery
17	ICSA		0		@ICP-QC	AS	QC	1.0	<1.00e-1		ug/g
17	ICSA		0		@ICP-QC	B	QC	1	<5.00e-2		ug/g
17	ICSA		0		@ICP-QC	BA	QC	1	<5.00e-2		ug/g
17	ICSA		0		@ICP-QC	BE	QC	1	<5.00e-3		ug/g
17	ICSA		0		@ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
17	ICSA		0		@ICP-QC	CA	QC	250	2.55e+02	102.000	% Recovery
17	ICSA		0		@ICP-QC	CD	QC	1	<5.00e-3		ug/g
17	ICSA		0		@ICP-QC	CE	QC	1	<1.00e-1		ug/g
17	ICSA		0		@ICP-QC	CO	QC	1	<2.00e-2		ug/g
17	ICSA		0		@ICP-QC	CR	QC	1	1.03e-02	0.010	ug/g
17	ICSA		0		@ICP-QC	CU	QC	1	<1.00e-2		ug/g
17	ICSA		0		@ICP-QC	FE	QC	100	9.46e+01	94.600	% Recovery
17	ICSA		0		@ICP-QC	K	QC	1	<5.00e-1		ug/g
17	ICSA		0		@ICP-QC	LA	QC	1.0	<5.00e-2		ug/g
17	ICSA		0		@ICP-QC	LI	QC	1	<1.00e-2		ug/g
17	ICSA		0		@ICP-QC	MG	QC	250	2.50e+02	100.000	% Recovery
17	ICSA		0		@ICP-QC	MN	QC	1.0	<1.00e-2		ug/g
17	ICSA		0		@ICP-QC	MO	QC	1	<5.00e-2		ug/g
17	ICSA		0		@ICP-QC	NA	QC	200	1.98e+02	99.000	% Recovery
17	ICSA		0		@ICP-QC	ND	QC	1	<1.00e-1		ug/g
17	ICSA		0		@ICP-QC	NI	QC	1	<2.00e-2		ug/g
17	ICSA		0		@ICP-QC	P	QC	1.0	<2.00e-1		ug/g
17	ICSA		0		@ICP-QC	PB	QC	1	<1.00e-1		ug/g
17	ICSA		0		@ICP-QC	S	QC	1.0	<1.00e-1		ug/g
17	ICSA		0		@ICP-QC	SB	QC	1	<6.00e-2		ug/g
17	ICSA		0		@ICP-QC	SE	QC	1	<1.00e-1		ug/g
17	ICSA		0		@ICP-QC	SI	QC	1	<5.00e-2		ug/g
17	ICSA		0		@ICP-QC	SM	QC	1	<1.00e-1		ug/g
17	ICSA		0		@ICP-QC	SR	QC	1	<1.00e-2		ug/g
17	ICSA		0		@ICP-QC	TI	QC	1	<1.00e-2		ug/g
17	ICSA		0		@ICP-QC	TL	QC	1.0	<2.00e-1		ug/g
17	ICSA		0		@ICP-QC	U	QC	1	<5.00e-1		ug/g
17	ICSA		0		@ICP-QC	V	QC	1	<5.00e-2		ug/g
17	ICSA		0		@ICP-QC	ZN	QC	1.0	<1.00e-2		ug/g
17	ICSA		0		@ICP-QC	ZR	QC	1	<1.00e-2		ug/g
18	ICSAB		0		@ICP-QC	AG	QC	1.0	9.88e-01	98.800	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8626

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
18	ICSAB		0	@ICP-QC	AL	QC	250	2.43e+02	97.200	% Recovery
18	ICSAB		0	@ICP-QC	AS	QC	1.0	<1.00e-1		ug/g
18	ICSAB		0	@ICP-QC	B	QC	1.0	<5.00e-2		ug/g
18	ICSAB		0	@ICP-QC	BA	QC	0.5	4.93e-01	98.600	% Recovery
18	ICSAB		0	@ICP-QC	BE	QC	0.5	4.86e-01	97.200	% Recovery
18	ICSAB		0	@ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
18	ICSAB		0	@ICP-QC	CA	QC	250	2.55e+02	102.000	% Recovery
18	ICSAB		0	@ICP-QC	CD	QC	1.0	9.71e-01	97.100	% Recovery
18	ICSAB		0	@ICP-QC	CE	QC	1.0	<1.00e-1		ug/g
18	ICSAB		0	@ICP-QC	CO	QC	0.5	4.80e-01	96.000	% Recovery
18	ICSAB		0	@ICP-QC	CR	QC	0.5	4.94e-01	98.800	% Recovery
18	ICSAB		0	@ICP-QC	CU	QC	0.5	4.96e-01	99.200	% Recovery
18	ICSAB		0	@ICP-QC	FE	QC	100	9.45e+01	94.500	% Recovery
18	ICSAB		0	@ICP-QC	K	QC	1.0	<5.00e-1		ug/g
18	ICSAB		0	@ICP-QC	LA	QC	1.0	<5.00e-2		ug/g
18	ICSAB		0	@ICP-QC	LI	QC	1.0	9.86e-01	98.600	% Recovery
18	ICSAB		0	@ICP-QC	MG	QC	250	2.50e+02	100.000	% Recovery
18	ICSAB		0	@ICP-QC	MN	QC	0.5	4.59e-01	91.800	% Recovery
18	ICSAB		0	@ICP-QC	MO	QC	1.0	<5.00e-2		ug/g
18	ICSAB		0	@ICP-QC	NA	QC	200	2.00e+02	100.000	% Recovery
18	ICSAB		0	@ICP-QC	ND	QC	1.0	<1.00e-1		ug/g
18	ICSAB		0	@ICP-QC	NI	QC	1.0	9.40e-01	94.000	% Recovery
18	ICSAB		0	@ICP-QC	P	QC	1.0	<2.00e-1		ug/g
18	ICSAB		0	@ICP-QC	PB	QC	1.0	1.03e+00	103.000	% Recovery
18	ICSAB		0	@ICP-QC	S	QC	1.0	<1.00e-1		ug/g
18	ICSAB		0	@ICP-QC	SB	QC	1.0	<6.00e-2		ug/g
18	ICSAB		0	@ICP-QC	SE	QC	1.0	<1.00e-1		ug/g
18	ICSAB		0	@ICP-QC	SI	QC	1.0	<5.00e-2		ug/g
18	ICSAB		0	@ICP-QC	SM	QC	1.0	<1.00e-1		ug/g
18	ICSAB		0	@ICP-QC	SR	QC	1.0	<1.00e-2		ug/g
18	ICSAB		0	@ICP-QC	TI	QC	1.0	<1.00e-2		ug/g
18	ICSAB		0	@ICP-QC	TL	QC	1.0	<2.00e-1		ug/g
18	ICSAB		0	@ICP-QC	U	QC	1.0	<5.00e-1		ug/g
18	ICSAB		0	@ICP-QC	V	QC	0.5	4.77e-01	95.400	% Recovery
18	ICSAB		0	@ICP-QC	ZN	QC	1.0	9.84e-01	98.400	% Recovery
18	ICSAB		0	@ICP-QC	ZR	QC	1.0	<1.00e-2		ug/g
19	CCV		0	@ICP-QC	AG	QC	5.0	4.96e+00	99.200	% Recovery
19	CCV		0	@ICP-QC	AL	QC	5.0	4.87e+00	97.400	% Recovery
19	CCV		0	@ICP-QC	AS	QC	5.0	5.15e+00	103.000	% Recovery
19	CCV		0	@ICP-QC	B	QC	5.0	5.02e+00	100.400	% Recovery
19	CCV		0	@ICP-QC	BA	QC	5.0	5.00e+00	100.000	% Recovery
19	CCV		0	@ICP-QC	BE	QC	5.0	5.16e+00	103.200	% Recovery
19	CCV		0	@ICP-QC	BI	QC	5.0	5.08e+00	101.600	% Recovery
19	CCV		0	@ICP-QC	CA	QC	5.0	5.13e+00	102.600	% Recovery
19	CCV		0	@ICP-QC	CD	QC	5.0	5.04e+00	100.800	% Recovery
19	CCV		0	@ICP-QC	CE	QC	5.0	5.17e+00	103.400	% Recovery
19	CCV		0	@ICP-QC	CO	QC	5.0	5.05e+00	101.000	% Recovery
19	CCV		0	@ICP-QC	CR	QC	5.0	5.10e+00	102.000	% Recovery
19	CCV		0	@ICP-QC	CU	QC	5.0	5.16e+00	103.200	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8626

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
19	CCV		0	@ICP-QC	FE	QC	5.0	5.06e+00	101.200	% Recovery
19	CCV		0	@ICP-QC	K	QC	5.0	5.03e+00	100.600	% Recovery
19	CCV		0	@ICP-QC	LA	QC	5.0	5.06e+00	101.200	% Recovery
19	CCV		0	@ICP-QC	LI	QC	5.0	5.03e+00	100.600	% Recovery
19	CCV		0	@ICP-QC	MG	QC	5.0	4.85e+00	97.000	% Recovery
19	CCV		0	@ICP-QC	MN	QC	5.0	4.95e+00	99.000	% Recovery
19	CCV		0	@ICP-QC	MO	QC	5.0	5.07e+00	101.400	% Recovery
19	CCV		0	@ICP-QC	NA	QC	5.0	4.97e+00	99.400	% Recovery
19	CCV		0	@ICP-QC	ND	QC	5.0	5.13e+00	102.600	% Recovery
19	CCV		0	@ICP-QC	NI	QC	5.0	5.05e+00	101.000	% Recovery
19	CCV		0	@ICP-QC	P	QC	5.0	5.12e+00	102.400	% Recovery
19	CCV		0	@ICP-QC	PB	QC	5.0	4.98e+00	99.600	% Recovery
19	CCV		0	@ICP-QC	S	QC	5.0	4.97e+00	99.400	% Recovery
19	CCV		0	@ICP-QC	SB	QC	5.0	4.76e+00	95.200	% Recovery
19	CCV		0	@ICP-QC	SE	QC	5.0	4.88e+00	97.600	% Recovery
19	CCV		0	@ICP-QC	SI	QC	5.0	4.82e+00	96.400	% Recovery
19	CCV		0	@ICP-QC	SM	QC	5.0	4.92e+00	98.400	% Recovery
19	CCV		0	@ICP-QC	SR	QC	5.0	4.98e+00	99.600	% Recovery
19	CCV		0	@ICP-QC	TI	QC	5.0	4.89e+00	97.800	% Recovery
19	CCV		0	@ICP-QC	TL	QC	5.0	4.84e+00	96.800	% Recovery
19	CCV		0	@ICP-QC	U	QC	10.	9.71e+00	97.100	% Recovery
19	CCV		0	@ICP-QC	V	QC	5.0	5.03e+00	100.600	% Recovery
19	CCV		0	@ICP-QC	ZN	QC	5.0	5.05e+00	101.000	% Recovery
19	CCV		0	@ICP-QC	ZR	QC	5.0	4.96e+00	99.200	% Recovery
20	CCB		0	@ICP-QC	AG	QC	1	<1.00e-2		ug/g
20	CCB		0	@ICP-QC	AL	QC	1	<5.00e-2		ug/g
20	CCB		0	@ICP-QC	AS	QC	1	<1.00e-1		ug/g
20	CCB		0	@ICP-QC	B	QC	1	<5.00e-2		ug/g
20	CCB		0	@ICP-QC	BA	QC	1	<5.00e-2		ug/g
20	CCB		0	@ICP-QC	BE	QC	1	<5.00e-3		ug/g
20	CCB		0	@ICP-QC	BI	QC	1	<1.00e-1		ug/g
20	CCB		0	@ICP-QC	CA	QC	1	<1.00e-1		ug/g
20	CCB		0	@ICP-QC	CD	QC	1	<5.00e-3		ug/g
20	CCB		0	@ICP-QC	CE	QC	1	<1.00e-1		ug/g
20	CCB		0	@ICP-QC	CO	QC	1	<2.00e-2		ug/g
20	CCB		0	@ICP-QC	CR	QC	1	<1.00e-2		ug/g
20	CCB		0	@ICP-QC	CU	QC	1	<1.00e-2		ug/g
20	CCB		0	@ICP-QC	FE	QC	1	<5.00e-2		ug/g
20	CCB		0	@ICP-QC	K	QC	1	<5.00e-1		ug/g
20	CCB		0	@ICP-QC	LA	QC	1	<5.00e-2		ug/g
20	CCB		0	@ICP-QC	LI	QC	1	<1.00e-2		ug/g
20	CCB		0	@ICP-QC	MG	QC	1	<1.00e-1		ug/g
20	CCB		0	@ICP-QC	MN	QC	1	<1.00e-2		ug/g
20	CCB		0	@ICP-QC	MO	QC	1	<5.00e-2		ug/g
20	CCB		0	@ICP-QC	NA	QC	1	<1.00e-1		ug/g
20	CCB		0	@ICP-QC	ND	QC	1	<1.00e-1		ug/g
20	CCB		0	@ICP-QC	NI	QC	1	<2.00e-2		ug/g
20	CCB		0	@ICP-QC	P	QC	1	<2.00e-1		ug/g
20	CCB		0	@ICP-QC	PB	QC	1	<1.00e-1		ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8626

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
20	CCB		0	@ICP-QC	S	QC	1	<1.00e-1		ug/g
20	CCB		0	@ICP-QC	SB	QC	1	<6.00e-2		ug/g
20	CCB		0	@ICP-QC	SE	QC	1	<1.00e-1		ug/g
20	CCB		0	@ICP-QC	SI	QC	1	<5.00e-2		ug/g
20	CCB		0	@ICP-QC	SM	QC	1	<1.00e-1		ug/g
20	CCB		0	@ICP-QC	SR	QC	1	<1.00e-2		ug/g
20	CCB		0	@ICP-QC	TI	QC	1	<1.00e-2		ug/g
20	CCB		0	@ICP-QC	TL	QC	1	<2.00e-1		ug/g
20	CCB		0	@ICP-QC	U	QC	1	<5.00e-1		ug/g
20	CCB		0	@ICP-QC	V	QC	1	<5.00e-2		ug/g
20	CCB		0	@ICP-QC	ZN	QC	1	<1.00e-2		ug/g
20	CCB		0	@ICP-QC	ZR	QC	1	<1.00e-2		ug/g

Final page for worklist# 8626

Analyst Signature **Date**

Analyst Signature **Date**

Reviewer Signature **Date**

Units shown for QC (BLK/BKG) may not reflect the actual units.

WHC-SD-WM-DP-179 REV. 1

Analysis Report Summary Wed 05-29-96 09:35:45 PM page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	ICV	960529E	ICP2	05/29/96	20:03	DKS	Q	CONC
2	ICB	960529E	ICP2	05/29/96	20:07	DKS	Q	CONC
3	LLS	960529E	ICP2	05/29/96	20:09	DKS	Q	CONC
4	ICSA	960529E	ICP2	05/29/96	20:12	DKS	Q	CONC
5	ICSAB	960529E	ICP2	05/29/96	20:15	DKS	Q	CONC
6	PREPSTDTJA	960529E	ICP2	05/29/96	20:20	DKS	S	CONC
7	PREPBLKTJA	960529E	ICP2	05/29/96	20:23	DKS	S	CONC
8	S96T001586_L	960529E	ICP2	05/29/96	20:26	DKS	S	CONC
9	S96T001586	960529E	ICP2	05/29/96	20:29	DKS	S	CONC
10	S96T001586_D	960529E	ICP2	05/29/96	20:32	DKS	S	CONC
11	S96T001586_S	960529E	ICP2	05/29/96	20:35	DKS	S	CONC
12	CCV	960529E	ICP2	05/29/96	20:42	DKS	Q	CONC
13	CCB	960529E	ICP2	05/29/96	20:45	DKS	Q	CONC
14	S96T001587_L	960529E	ICP2	05/29/96	20:48	DKS	S	CONC
15	S96T001587	960529E	ICP2	05/29/96	20:51	DKS	S	CONC
16	S96T001587_D	960529E	ICP2	05/29/96	20:56	DKS	S	CONC
17	S96T001588_L	960529E	ICP2	05/29/96	21:09	DKS	S	CONC
18	S96T001588	960529E	ICP2	05/29/96	21:12	DKS	S	CONC
19	S96T001588_D	960529E	ICP2	05/29/96	21:15	DKS	S	CONC
20	ICSA	960529E	ICP2	05/29/96	21:23	DKS	Q	CONC
21	ICSAB	960529E	ICP2	05/29/96	21:26	DKS	Q	CONC
22	CCV_1	960529E	ICP2	05/29/96	21:29	DKS	Q	CONC
23	CCB_1	960529E	ICP2	05/29/96	21:32	DKS	Q	CONC

DK [illegible]
05-24-96
5-102 S96T001586
S96T001587
S96T001588
Worklist #8626

SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 1226 TO 1232

WHC-SD-WM-DP-179, REV. 1

Analysis Report Averages Wed 05-29-96 09:35:45 PM page 2

#	Sample Name	Ag	Al	As	B	Ba	Be
1	ICV	4.894	4.807	5.076	4.916	4.882	5.040
2	ICB	.0006	.0050	-.0001	.0017	.0001	.0001
3	LLS	.0203	.0973	.2070	.1014	.0981	.0104
4	ICSA	.0019	239.1	-.0735	-.0003	.0018	.0001
5	ICSAB	.9744	238.0	-.0575	.0020	.4789	.4751
6	PREPSTDTJA	.2741	4.846	5.069	5.246	4.919	5.105
7	PREPBLKTJA	-.0007	.0139	-.0015	.1396	.0001	-.0001
8	S96T001586_L	.0316	21.46	.0179	.2945	.0022	-.0004
9	S96T001586	.0290	20.89	-.0264	.2667	.0021	.0001
10	S96T001586_D	.0268	17.71	-.0200	.1376	.0020	-.0000
11	S96T001586_S	.7744	25.07	4.951	4.931	4.845	4.955
12	CCV	4.944	4.866	5.136	5.017	5.021	5.117
13	CCB	.0008	-.0036	-.0044	.0029	.0001	-.0000
14	S96T001587_L	.0389	29.28	-.0007	.4870	.0125	-.0004
15	S96T001587	.0354	28.61	-.0018	.4723	.0122	.0000
16	S96T001587_D	.0297	28.10	-.0215	.3430	.0096	.0000
17	S96T001588_L	.0369	52.53	-.0638	.2717	.0199	-.0005
18	S96T001588	.0360	51.18	-.0622	.2817	.0201	.0001
19	S96T001588_D	.0442	62.03	-.0562	.4807	.0157	.0000
20	ICSA	.0016	242.9	-.1044	-.0012	.0019	-.0001
21	ICSAB	.9876	243.0	-.0844	.0058	.4927	.4861
22	CCV_1	4.959	4.866	5.153	5.024	5.002	5.161
23	CCB_1	.0008	-.0055	-.0083	.0013	.0001	-.0002

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
1	ICV	5.018	5.061	4.981	5.053	4.998	5.036
2	ICB	.0066	.0009	-.0004	.0015	.0004	.0008
3	LLS	.1925	.2070	.0102	.2064	.0411	.0215
4	ICSA	.0146	252.9	.0017	.0153	-.0001	.0094
5	ICSAB	.0015	252.7	.9590	.0108	.4732	.4886
6	PREPSTDTJA	4.916	5.075	4.902	5.151	5.014	4.915
7	PREPBLKTJA	-.0073	.1300	-.0014	-.0057	-.0011	.0018
8	S96T001586_L	.0218	.5834	.0026	.0057	.0041	3.388
9	S96T001586	.0025	.5696	.0027	-.0003	.0003	3.274
10	S96T001586_D	.0347	.5011	.0032	.0001	.0002	3.319
11	S96T001586_S	4.881	5.240	4.788	5.063	4.893	8.725
12	CCV	5.107	5.076	4.992	5.166	5.017	5.063
13	CCB	-.0158	.0020	-.0008	.0007	.0001	.0006
14	S96T001587_L	.1480	.2889	.0224	.0601	-.0056	8.100
15	S96T001587	.1430	.2794	.0191	.0425	.0031	7.809
16	S96T001587_D	.1535	.3088	.0152	.0341	.0031	5.926
17	S96T001588_L	.1726	2.244	.0073	.0268	-.0051	8.699
18	S96T001588	.0986	2.183	.0131	.0360	.0054	8.420
19	S96T001588_D	.1225	.7978	.0167	.0390	.0039	10.21
20	ICSA	.0188	254.8	.0013	.0139	.0000	.0103
21	ICSAB	-.0063	254.6	.9714	.0036	.4796	.4944
22	CCV_1	5.077	5.131	5.038	5.172	5.054	5.096
23	CCB_1	.0079	.0057	.0011	.0019	.0004	.0013

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#	Sample Name	Cu	Eu	Fe	K	La	Li
1	ICV	5.045	-.0018	4.996	5.054	4.945	4.881
2	ICB	-.0000	.0005	.0002	-.0873	-.0002	.0002
3	LLS	.0194	.0007	.1038	.3765	.0995	.0209
4	ICSA	-.0095	-.0463	93.57	.0706	-.0046	.0026
5	ICSAB	.4820	-.0449	93.08	-.0352	-.0050	.9532
6	PREPSTDTJA	4.856	-.0020	4.960	5.086	5.001	4.916
7	PREPBLKTJA	.0050	-.0003	.0643	.0615	-.0007	-.0007
8	S96T001586_L	.0065	.0008	.2633	1.354	.0019	.0064
9	S96T001586_	.0119	.0001	.2547	1.540	.0013	.0049
10	S96T001586_D	.0112	.0004	.1360	1.289	.0013	.0053
11	S96T001586_S	4.707	-.0018	4.936	6.665	4.938	4.789
12	CCV	5.167	-.0024	5.042	5.014	5.055	5.044
13	CCB	-.0004	-.0006	.0005	-.1515	-.0002	-.0010
14	S96T001587_L	.0154	-.0040	2.644	3.134	.0326	.0101
15	S96T001587_	.0152	-.0011	2.555	1.975	.0301	.0132
16	S96T001587_D	.0117	-.0018	2.019	1.844	.0230	.0089
17	S96T001588_L	.0156	-.0047	2.694	1.309	.0230	.0038
18	S96T001588_	.0184	-.0016	2.619	2.244	.0260	.0075
19	S96T001588_D	.0205	-.0037	2.642	2.837	.0313	.0081
20	ICSA	-.0108	-.0464	94.61	.0562	-.0047	.0025
21	ICSAB	.4962	-.0434	94.51	.0347	-.0053	.9859
22	CCV_1	5.165	-.0018	5.063	5.034	5.057	5.028
23	CCB_1	.0002	.0005	.0016	.1815	.0005	.0002

#	Sample Name	Mg	Mn	Mo	Na	Nd	Ni
1	ICV	4.787	4.899	5.007	4.854	4.994	4.970
2	ICB	.0050	.0003	.0014	.0028	-.0008	.0059
3	LLS	.1921	.0199	.0951	.2095	.1938	.0408
4	ICSA	245.9	-.0056	-.0087	194.1	.0024	-.0044
5	ICSAB	244.8	.4542	-.0121	193.7	.0021	.9418
6	PREPSTDTJA	4.632	4.812	4.913	5.394	4.953	5.009
7	PREPBLKTJA	.0052	.0005	-.0002	.2624	.0000	-.0059
8	S96T001586_L	-.0076	.0621	.0401	416.8	-.0165	.0622
9	S96T001586_	.0375	.0594	.0476	403.4	.0041	.0356
10	S96T001586_D	.0317	.0557	.0473	381.6	.0046	.0355
11	S96T001586_S	4.477	4.757	4.838	424.4	4.870	4.869
12	CCV	4.850	4.924	5.035	4.970	5.126	4.979
13	CCB	-.0030	.0000	.0011	-.0057	-.0018	.0042
14	S96T001587_L	.0449	1.497	.0619	397.8	.0564	.0908
15	S96T001587_	.0467	1.453	.0652	384.9	.0526	.0912
16	S96T001587_D	.0372	1.108	.0651	321.8	.0431	.0675
17	S96T001588_L	.3173	.8675	.0674	380.2	.0492	.1259
18	S96T001588_	.3159	.8460	.0773	367.0	.0532	.1079
19	S96T001588_D	.0716	1.061	.0904	459.4	.0675	.1231
20	ICSA	249.7	-.0059	-.0087	198.1	-.0002	-.0046
21	ICSAB	249.7	.4585	-.0110	199.7	.0005	.9404
22	CCV_1	4.851	4.946	5.070	4.968	5.125	5.054
23	CCB_1	.0029	.0004	.0032	.0032	.0013	.0028

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#	Sample Name	P	Pb	S	Sb	Se	Si
1	ICV	4.890	4.952	4.880	4.728	4.786	4.769
2	ICB	-.0124	.0087	-.0046	.0054	.0105	.0059
3	LLS	.4268	.1942	.2011	.1053	.2067	.1223
4	ICSA	-.0019	.0442	-.0344	.0066	-.0733	.0032
5	ICSAB	.0052	1.019	-.0191	-.0005	-.0637	.0066
6	PREPSTDTJA	5.056	4.740	4.892	4.969	4.665	6.478
7	PREPBLKTJA	-.0077	.0028	.0331	.0050	.0250	.0497
8	S96T001586_L	4.006	.0428	2.660	-.0087	.0632	.3732
9	S96T001586_	3.887	.0403	2.634	.0082	.0291	.3690
10	S96T001586_D	3.750	.0335	2.704	.0036	.0186	.3249
11	S96T001586_S	9.339	4.760	8.056	4.787	4.580	5.244
12	CCV	4.993	4.969	4.954	4.757	4.862	4.817
13	CCB	-.0166	.0018	-.0045	.0050	.0110	.0062
14	S96T001587_L	84.70	.1604	7.690	.0015	.0041	2.629
15	S96T001587_	81.10	.1731	7.469	-.0034	.0048	2.597
16	S96T001587_D	58.83	.1414	5.658	.0061	.0054	1.614
17	S96T001588_L	35.65	.1828	3.240	.0224	.0248	1.362
18	S96T001588_	34.37	.1946	3.182	.0080	.0028	1.366
19	S96T001588_D	45.88	.2282	4.104	.0042	-.0087	2.167
20	ICSA	.0362	.0369	-.0367	.0076	-.0675	.0016
21	ICSAB	.0058	1.027	-.0325	-.0013	-.0809	.0009
22	CCV_1	5.120	4.981	4.974	4.759	4.884	4.823
23	CCB_1	-.0009	.0032	-.0096	.0080	.0312	.0063

#	Sample Name	Sm	Sr	Th	Ti	Tl	U
1	ICV	4.813	4.851	.0020	4.811	4.776	9.499
2	ICB	.0060	.0001	.0032	.0007	-.0316	.0113
3	LLS	.2049	.0202	-.0007	.0201	.3782	.5117
4	ICSA	.0053	.0016	.0105	.0015	-.0382	-.0145
5	ICSAB	.0099	.0016	.0058	.0017	-.0273	.0028
6	PREPSTDTJA	4.861	4.878	-.0000	4.523	4.691	9.571
7	PREPBLKTJA	-.0076	.0000	-.0004	-.0002	-.0494	-.0229
8	S96T001586_L	.0131	.0015	.0032	.0012	-.2149	.0331
9	S96T001586_	-.0017	.0015	.0063	.0014	-.0204	.0110
10	S96T001586_D	.0007	.0014	.0045	.0012	-.0306	.0301
11	S96T001586_S	4.789	4.786	-.0036	4.336	4.572	9.398
12	CCV	4.916	4.970	-.0050	4.866	4.825	9.722
13	CCB	-.0089	-.0000	.0058	.0000	-.0285	-.0286
14	S96T001587_L	-.0309	.0057	.0579	.0075	-.2279	1.878
15	S96T001587_	.0001	.0065	.0471	.0044	-.0186	2.020
16	S96T001587_D	-.0111	.0052	.0388	.0038	-.0126	2.052
17	S96T001588_L	-.0416	.0117	.0379	.0383	-.1234	8.459
18	S96T001588_	-.0006	.0123	.0286	.0392	-.0331	8.441
19	S96T001588_D	.0022	.0086	.0305	.0159	-.0244	11.16
20	ICSA	.0017	.0017	.0042	.0012	-.0321	-.0052
21	ICSAB	-.0021	.0017	.0090	.0010	-.0355	-.0300
22	CCV_1	4.916	4.979	-.0082	4.889	4.837	9.713
23	CCB_1	.0038	.0001	.0034	.0007	-.0121	.0132

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#	Sample Name	V	Y	Zn	Zr
1	ICV	4.953	.0066	4.997	4.862
2	ICB	.0003	.0004	.0006	.0008
3	LLS	.1029	.0008	.0213	.0218
4	ICSA	.0005	.0073	-.0022	-.0029
5	ICSAB	.4721	.0074	.9769	-.0026
6	PREPSTDTJA	4.860	.0053	4.790	5.121
7	PREPBLKTJA	-.0014	-.0003	.0038	-.0010
8	S96T001586_L	.0007	.0012	.0729	.0049
9	S96T001586	.0009	.0005	.0686	.0019
10	S96T001586_D	.0022	.0006	.0461	.0023
11	S96T001586_S	4.761	.0063	4.757	4.748
12	CCV	5.006	.0062	5.010	4.946
13	CCB	-.0018	-.0001	.0007	-.0014
14	S96T001587_L	.0798	.0114	.0623	.0832
15	S96T001587	.0826	.0122	.0643	.0859
16	S96T001587_D	.0602	.0087	.0570	.0672
17	S96T001588_L	.0197	.0082	.1026	.0530
18	S96T001588	.0287	.0101	.1003	.0585
19	S96T001588_D	.0371	.0120	.1205	.0750
20	ICSA	-.0016	.0071	-.0027	-.0032
21	ICSAB	.4769	.0069	.9837	-.0036
22	CCV_1	5.034	.0064	5.045	4.956
23	CCB_1	.0009	.0001	.0008	.0004

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WHC-SD-WM-DP-179, REV. 1

LABCORE Data Entry Template for Worklist# 10022

Analyst: B. GOECKE **Instrument:** ~~ICP01~~ ICP02 6-18-96 **Book#** 56B48B

Method: LA-505-~~151~~ 6-18-96/161 Rev/Mod 6-1

Worklist Comment: ICP S-102 (SOLID WATER DIGEST)

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	ICV				@ICP-QC	QC		
2	ICB				@ICP-QC	QC		
3	LLS				@ICP-QC	QC		
4	ICSA				@ICP-QC	QC		
5	ICSAB				@ICP-QC	QC		
6	PREPBLKTJA				@ICP-I01	SOLID		
7	SERDIL	S96T003184	0	I	@ICP-I01	SOLID		
8	SAMPLE	S96T003184	0	I	@ICP-I01	SOLID	96000030	S102

Analytes Requested: AG-I-01 , AL-I-01 , AS-I-01 , B-I-01 , BA-I-01 , BE-I-01 , BI-I-01 , CA-I-01 , CD-I-01 , CE-I-01 , CO-I-01 , CR-I-01 , CU-I-01 , FE-I-01 , K-I-01 , LA-I-01 , LI-I-01 , MG-I-01 , MN-I-01 , MO-I-01 , NA-I-01 , ND-I-01 , NI-I-01 , P-I-01 , PB-I-01 , S-I-01 , SB-I-01 , SE-I-01 , SI-I-01 , SM-I-01 , SR-I-01 , TI-I-01 , TL-I-01 , U-I-01 , V-I-01 , ZN-I-01 , ZR-I-01

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
9	DUP	S96T003184	0	I	@ICP-I01	SOLID		
10	SPK	S96T003184	0	I	@ICP-I01	SOLID		
11	CCV				@ICP-QC	QC		
12	CCB				@ICP-QC	QC		
13	PREPBLKTJA				@ICP-I01	SOLID		
14	SERDIL	S96T003188	0	I	@ICP-I01	SOLID		
15	SAMPLE	S96T003188	0	I	@ICP-I01	SOLID	96000030	S102

Analytes Requested: AG-I-01 , AL-I-01 , AS-I-01 , B-I-01 , BA-I-01 ,

Data Entry Comments: Sample result calculation

S96T003184 $Cr = 1.921 \frac{ug}{ml} \times \frac{1}{5.030 \frac{g}{L} \times \frac{1L}{1000ml}} = 3.82e+2 \frac{ug}{g}$

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

Note: $5.030 \frac{g}{L}$ is sample prep dilution factor which can be found in sample prep worklist.

LABCORE Data Entry Template for Worklist# 10022

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
					BE-I-01 , BI-I-01 , CA-I-01 , CD-I-01 , CE-I-01 , CO-I-01 , CR-I-01 , CU-I-01 , FE-I-01 , K-I-01 , LA-I-01 , LI-I-01 , MG-I-01 , MN-I-01 , MO-I-01 , NA-I-01 , ND-I-01 , NI-I-01 , P-I-01 , PB-I-01 , S-I-01 , SB-I-01 , SE-I-01 , SI-I-01 , SM-I-01 , SR-I-01 , TI-I-01 , TL-I-01 , U-I-01 , V-I-01 , ZN-I-01 , ZR-I-01			
16	DUP	S96T003188	0	I	@ICP-I01	SOLID		
17	SPK	S96T003188	0	I	@ICP-I01	SOLID		
18	CCV				@ICP-QC	QC		
19	CCB				@ICP-QC	QC		
20	PREPBLKTJA				@ICP-I01	SOLID		
21	SERDIL	S96T003189	0	I	@ICP-I01	SOLID		
22	SAMPLE	S96T003189	0	I	@ICP-I01	SOLID	96000030	S102
		Analytes Requested:			AG-I-01 , AL-I-01 , AS-I-01 , B-I-01 , BA-I-01 , BE-I-01 , BI-I-01 , CA-I-01 , CD-I-01 , CE-I-01 , CO-I-01 , CR-I-01 , CU-I-01 , FE-I-01 , K-I-01 , LA-I-01 , LI-I-01 , MG-I-01 , MN-I-01 , MO-I-01 , NA-I-01 , ND-I-01 , NI-I-01 , P-I-01 , PB-I-01 , S-I-01 , SB-I-01 , SE-I-01 , SI-I-01 , SM-I-01 , SR-I-01 , TI-I-01 , TL-I-01 , U-I-01 , V-I-01 , ZN-I-01 , ZR-I-01			
23	DUP	S96T003189	0	I	@ICP-I01	SOLID		
24	SPK	S96T003189	0	I	@ICP-I01	SOLID		
25	ICSA				@ICP-QC	QC		
26	ICSAB				@ICP-QC	QC		
27	CCV				@ICP-QC	QC		
28	CCB				@ICP-QC	QC		

Data Entry Comments: Spike recovery calculation:

S96T003189 $Cr = \left(\frac{4.412}{2.5}\right) - \left(\frac{1.521}{2.5}\right) \times 100 = 99.6\%$

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

Note: Spike true value is 1.0 ppm for all elements except U = 2.0 ppm

LABCORE Data Entry Template for Worklist# 10022

S Type	Sample#	R	A	Test	Matrix	Group#	Project

Final page for worklist # 10022

Reviewed by:

6-19-96 — Analyst Signature — Date

6/19/96 — Analyst Signature — Date

		DF
PREPBLK TJA	DIRECT	1
SS6TOO 3184-L	4-6-2-8	12.5
3184	4-6	2.5
3184-D	4-6	2.5
3184-A	4-2-4	2.5
PREPBLK TJA	DIRECT	1
SS6TOO 3188-L	4-6-2-8	12.5
3188	4-6	2.5
3188-D	4-6	2.5
3188-A	4-2-4	2.5
PREPBLK TJA	DIRECT	1
SS6TOO 3189-L	4-6-2-8	12.5
3189	4-6	2.5
3189-D	4-6	2.5
3189-A	4-2-4	2.5

Data Entry Comments:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 10022

Analyst: bjg **Instrument:** ICP02 **Book#** _____

Method: _____ Rev/Mod _____

Worklist Comment: ICP S-102 (SOLID WATER DIGEST)

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
1	ICV		0		@ICP-QC AG	QC	5.0	4.99e+00	99.800	% Recovery
1	ICV		0		@ICP-QC AL	QC	5.0	4.92e+00	98.400	% Recovery
1	ICV		0		@ICP-QC AS	QC	5.0	5.18e+00	103.600	% Recovery
1	ICV		0		@ICP-QC B	QC	5.0	5.05e+00	101.000	% Recovery
1	ICV		0		@ICP-QC BA	QC	5.0	5.03e+00	100.600	% Recovery
1	ICV		0		@ICP-QC BE	QC	5.0	5.17e+00	103.400	% Recovery
1	ICV		0		@ICP-QC BI	QC	5.0	5.08e+00	101.600	% Recovery
1	ICV		0		@ICP-QC CA	QC	5.0	5.08e+00	101.600	% Recovery
1	ICV		0		@ICP-QC CD	QC	5.0	5.02e+00	100.400	% Recovery
1	ICV		0		@ICP-QC CE	QC	5.0	5.16e+00	103.200	% Recovery
1	ICV		0		@ICP-QC CO	QC	5.0	5.05e+00	101.000	% Recovery
1	ICV		0		@ICP-QC CR	QC	5.0	5.08e+00	101.600	% Recovery
1	ICV		0		@ICP-QC CU	QC	5.0	5.22e+00	104.400	% Recovery
1	ICV		0		@ICP-QC FE	QC	5.0	5.07e+00	101.400	% Recovery
1	ICV		0		@ICP-QC K	QC	5.0	4.91e+00	98.200	% Recovery
1	ICV		0		@ICP-QC LA	QC	5.0	5.06e+00	101.200	% Recovery
1	ICV		0		@ICP-QC LI	QC	5.0	5.09e+00	101.800	% Recovery
1	ICV		0		@ICP-QC MG	QC	5.0	4.90e+00	98.000	% Recovery
1	ICV		0		@ICP-QC MN	QC	5.0	4.93e+00	98.600	% Recovery
1	ICV		0		@ICP-QC MO	QC	5.0	5.05e+00	101.000	% Recovery
1	ICV		0		@ICP-QC NA	QC	5.0	5.04e+00	100.800	% Recovery
1	ICV		0		@ICP-QC ND	QC	5.0	5.13e+00	102.600	% Recovery
1	ICV		0		@ICP-QC NI	QC	5.0	5.02e+00	100.400	% Recovery
1	ICV		0		@ICP-QC P	QC	5.0	5.08e+00	101.600	% Recovery
1	ICV		0		@ICP-QC PB	QC	5.0	4.99e+00	99.800	% Recovery
1	ICV		0		@ICP-QC S	QC	5.0	4.95e+00	99.000	% Recovery
1	ICV		0		@ICP-QC SB	QC	5.0	4.82e+00	96.400	% Recovery
1	ICV		0		@ICP-QC SE	QC	5.0	4.91e+00	98.200	% Recovery
1	ICV		0		@ICP-QC SI	QC	5.0	4.85e+00	97.000	% Recovery
1	ICV		0		@ICP-QC SM	QC	5.0	4.95e+00	99.000	% Recovery
1	ICV		0		@ICP-QC SR	QC	5.0	4.98e+00	99.600	% Recovery
1	ICV		0		@ICP-QC TI	QC	5.0	4.94e+00	98.800	% Recovery
1	ICV		0		@ICP-QC TL	QC	5.00	4.86e+00	97.200	% Recovery
1	ICV		0		@ICP-QC U	QC	10.	9.85e+00	98.500	% Recovery
1	ICV		0		@ICP-QC V	QC	5.0	5.04e+00	100.800	% Recovery
1	ICV		0		@ICP-QC ZN	QC	5.0	5.08e+00	101.600	% Recovery
1	ICV		0		@ICP-QC ZR	QC	5.0	4.97e+00	99.400	% Recovery
2	ICB		0		@ICP-QC AG	QC	1	<1.00e-2		ug/g
2	ICB		0		@ICP-QC AL	QC	1	<5.00e-2		ug/g
2	ICB		0		@ICP-QC AS	QC	1	<1.00e-1		ug/g
2	ICB		0		@ICP-QC B	QC	1	<5.00e-2		ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10022

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
2	ICB		0	@ICP-QC	BA	QC	1	<5.00e-2		ug/g
2	ICB		0	@ICP-QC	BE	QC	1	<5.00e-3		ug/g
2	ICB		0	@ICP-QC	BI	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	CA	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	CD	QC	1	<5.00e-3		ug/g
2	ICB		0	@ICP-QC	CE	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	CO	QC	1	<2.00e-2		ug/g
2	ICB		0	@ICP-QC	CR	QC	1	<1.00e-2		ug/g
2	ICB		0	@ICP-QC	CU	QC	1	<1.00e-2		ug/g
2	ICB		0	@ICP-QC	FE	QC	1	<5.00e-2		ug/g
2	ICB		0	@ICP-QC	K	QC	1	<5.00e-1		ug/g
2	ICB		0	@ICP-QC	LA	QC	1	<5.00e-2		ug/g
2	ICB		0	@ICP-QC	LI	QC	1	<1.00e-2		ug/g
2	ICB		0	@ICP-QC	MG	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	MN	QC	1	<1.00e-2		ug/g
2	ICB		0	@ICP-QC	MO	QC	1	<5.00e-2		ug/g
2	ICB		0	@ICP-QC	NA	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	ND	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	NI	QC	1	<2.00e-2		ug/g
2	ICB		0	@ICP-QC	P	QC	1	<2.00e-1		ug/g
2	ICB		0	@ICP-QC	PB	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	S	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	SB	QC	1	<6.00e-2		ug/g
2	ICB		0	@ICP-QC	SE	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	SI	QC	1	<5.00e-2		ug/g
2	ICB		0	@ICP-QC	SM	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	SR	QC	1	<1.00e-2		ug/g
2	ICB		0	@ICP-QC	TI	QC	1	<1.00e-2		ug/g
2	ICB		0	@ICP-QC	TL	QC	1	<2.00e-1		ug/g
2	ICB		0	@ICP-QC	U	QC	1	<5.00e-1		ug/g
2	ICB		0	@ICP-QC	V	QC	1	<5.00e-2		ug/g
2	ICB		0	@ICP-QC	ZN	QC	1	<1.00e-2		ug/g
2	ICB		0	@ICP-QC	ZR	QC	1	<1.00e-2		ug/g
3	LLS		0	@ICP-QC	AG	QC	0.02	2.02e-02	101.000	% Recovery
3	LLS		0	@ICP-QC	AL	QC	0.10	9.41e-02	94.100	% Recovery
3	LLS		0	@ICP-QC	AS	QC	0.20	1.87e-01	93.500	% Recovery
3	LLS		0	@ICP-QC	B	QC	0.10	1.03e-01	103.000	% Recovery
3	LLS		0	@ICP-QC	BA	QC	0.10	9.89e-02	98.900	% Recovery
3	LLS		0	@ICP-QC	BE	QC	0.01	1.04e-02	104.000	% Recovery
3	LLS		0	@ICP-QC	BI	QC	0.20	2.21e-01	110.500	% Recovery
3	LLS		0	@ICP-QC	CA	QC	0.20	2.06e-01	103.000	% Recovery
3	LLS		0	@ICP-QC	CD	QC	0.01	1.12e-02	112.000	% Recovery
3	LLS		0	@ICP-QC	CE	QC	0.20	2.02e-01	101.000	% Recovery
3	LLS		0	@ICP-QC	CO	QC	0.04	4.23e-02	105.750	% Recovery
3	LLS		0	@ICP-QC	CR	QC	0.02	2.20e-02	110.000	% Recovery
3	LLS		0	@ICP-QC	CU	QC	0.02	2.13e-02	106.500	% Recovery
3	LLS		0	@ICP-QC	FE	QC	0.10	1.04e-01	104.000	% Recovery
3	LLS		0	@ICP-QC	K	QC	0.50	5.18e-01	103.600	% Recovery
3	LLS		0	@ICP-QC	LA	QC	0.10	1.01e-01	101.000	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10022

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
3	LLS		0	@ICP-QC	LI	QC	0.02	2.18e-02	109.000	% Recovery
3	LLS		0	@ICP-QC	MG	QC	0.20	1.95e-01	97.500	% Recovery
3	LLS		0	@ICP-QC	MN	QC	0.02	1.99e-02	99.500	% Recovery
3	LLS		0	@ICP-QC	MO	QC	0.10	9.53e-02	95.300	% Recovery
3	LLS		0	@ICP-QC	NA	QC	0.20	2.18e-01	109.000	% Recovery
3	LLS		0	@ICP-QC	ND	QC	0.20	1.98e-01	99.000	% Recovery
3	LLS		0	@ICP-QC	NI	QC	0.04	5.00e-02	125.000	% Recovery
3	LLS		0	@ICP-QC	P	QC	0.40	4.21e-01	105.250	% Recovery
3	LLS		0	@ICP-QC	PB	QC	0.20	1.94e-01	97.000	% Recovery
3	LLS		0	@ICP-QC	S	QC	0.20	1.98e-01	99.000	% Recovery
3	LLS		0	@ICP-QC	SB	QC	0.10	1.02e-01	102.000	% Recovery
3	LLS		0	@ICP-QC	SE	QC	0.20	2.00e-01	100.000	% Recovery
3	LLS		0	@ICP-QC	SI	QC	0.10	1.31e-01	131.000	% Recovery
3	LLS		0	@ICP-QC	SM	QC	0.20	2.17e-01	108.500	% Recovery
3	LLS		0	@ICP-QC	SR	QC	0.02	2.03e-02	101.500	% Recovery
3	LLS		0	@ICP-QC	TI	QC	0.02	2.03e-02	101.500	% Recovery
3	LLS		0	@ICP-QC	TL	QC	0.40	4.53e-01	113.250	% Recovery
3	LLS		0	@ICP-QC	U	QC	0.50	5.69e-01	113.800	% Recovery
3	LLS		0	@ICP-QC	V	QC	0.10	1.05e-01	105.000	% Recovery
3	LLS		0	@ICP-QC	ZN	QC	0.02	2.10e-02	105.000	% Recovery
3	LLS		0	@ICP-QC	ZR	QC	0.02	2.37e-02	118.500	% Recovery
4	ICSA		0	@ICP-QC	AG	QC	1	<1.00e-2		ug/g
4	ICSA		0	@ICP-QC	AL	QC	250	2.43e+02	97.200	% Recovery
4	ICSA		0	@ICP-QC	AS	QC	1.0	<1.00e-1		ug/g
4	ICSA		0	@ICP-QC	B	QC	1	<5.00e-2		ug/g
4	ICSA		0	@ICP-QC	BA	QC	1	<5.00e-2		ug/g
4	ICSA		0	@ICP-QC	BE	QC	1	<5.00e-3		ug/g
4	ICSA		0	@ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
4	ICSA		0	@ICP-QC	CA	QC	250	2.53e+02	101.200	% Recovery
4	ICSA		0	@ICP-QC	CD	QC	1	<5.00e-3		ug/g
4	ICSA		0	@ICP-QC	CE	QC	1	<1.00e-1		ug/g
4	ICSA		0	@ICP-QC	CO	QC	1	<2.00e-2		ug/g
4	ICSA		0	@ICP-QC	CR	QC	1	<1.00e-2		ug/g
4	ICSA		0	@ICP-QC	CU	QC	1	<1.00e-2		ug/g
4	ICSA		0	@ICP-QC	FE	QC	100	9.43e+01	94.300	% Recovery
4	ICSA		0	@ICP-QC	K	QC	1	<5.00e-1		ug/g
4	ICSA		0	@ICP-QC	LA	QC	1.0	<5.00e-2		ug/g
4	ICSA		0	@ICP-QC	LI	QC	1	<1.00e-2		ug/g
4	ICSA		0	@ICP-QC	MG	QC	250	2.51e+02	100.400	% Recovery
4	ICSA		0	@ICP-QC	MN	QC	1.0	<1.00e-2		ug/g
4	ICSA		0	@ICP-QC	MO	QC	1	<5.00e-2		ug/g
4	ICSA		0	@ICP-QC	NA	QC	200	1.98e+02	99.000	% Recovery
4	ICSA		0	@ICP-QC	ND	QC	1	<1.00e-1		ug/g
4	ICSA		0	@ICP-QC	NI	QC	1	<2.00e-2		ug/g
4	ICSA		0	@ICP-QC	P	QC	1.0	<2.00e-1		ug/g
4	ICSA		0	@ICP-QC	PB	QC	1	<1.00e-1		ug/g
4	ICSA		0	@ICP-QC	S	QC	1.0	<1.00e-1		ug/g
4	ICSA		0	@ICP-QC	SB	QC	1	<6.00e-2		ug/g
4	ICSA		0	@ICP-QC	SE	QC	1	<1.00e-1		ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10022

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
4	ICSA		0	@ICP-QC	SI	QC	1	<5.00e-2		ug/g
4	ICSA		0	@ICP-QC	SM	QC	1	<1.00e-1		ug/g
4	ICSA		0	@ICP-QC	SR	QC	1	<1.00e-2		ug/g
4	ICSA		0	@ICP-QC	TI	QC	1	<1.00e-2		ug/g
4	ICSA		0	@ICP-QC	TL	QC	1.0	<2.00e-1		ug/g
4	ICSA		0	@ICP-QC	U	QC	1	<5.00e-1		ug/g
4	ICSA		0	@ICP-QC	V	QC	1	<5.00e-2		ug/g
4	ICSA		0	@ICP-QC	ZN	QC	1.0	<1.00e-2		ug/g
4	ICSA		0	@ICP-QC	ZR	QC	1	<1.00e-2		ug/g
5	ICSAB		0	@ICP-QC	AG	QC	1.0	9.90e-01	99.000	% Recovery
5	ICSAB		0	@ICP-QC	AL	QC	250	2.45e+02	98.000	% Recovery
5	ICSAB		0	@ICP-QC	AS	QC	1.0	<1.00e-1		ug/g
5	ICSAB		0	@ICP-QC	B	QC	1.0	<5.00e-2		ug/g
5	ICSAB		0	@ICP-QC	BA	QC	0.5	4.94e-01	98.800	% Recovery
5	ICSAB		0	@ICP-QC	BE	QC	0.5	4.89e-01	97.800	% Recovery
5	ICSAB		0	@ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
5	ICSAB		0	@ICP-QC	CA	QC	250	2.55e+02	102.000	% Recovery
5	ICSAB		0	@ICP-QC	CD	QC	1.0	9.65e-01	96.500	% Recovery
5	ICSAB		0	@ICP-QC	CE	QC	1.0	<1.00e-1		ug/g
5	ICSAB		0	@ICP-QC	CO	QC	0.5	4.76e-01	95.200	% Recovery
5	ICSAB		0	@ICP-QC	CR	QC	0.5	4.95e-01	99.000	% Recovery
5	ICSAB		0	@ICP-QC	CU	QC	0.5	4.96e-01	99.200	% Recovery
5	ICSAB		0	@ICP-QC	FE	QC	100	9.48e+01	94.800	% Recovery
5	ICSAB		0	@ICP-QC	K	QC	1.0	<5.00e-1		ug/g
5	ICSAB		0	@ICP-QC	LA	QC	1.0	<5.00e-2		ug/g
5	ICSAB		0	@ICP-QC	LI	QC	1.0	9.97e-01	99.700	% Recovery
5	ICSAB		0	@ICP-QC	MG	QC	250	2.52e+02	100.800	% Recovery
5	ICSAB		0	@ICP-QC	MN	QC	0.5	4.58e-01	91.600	% Recovery
5	ICSAB		0	@ICP-QC	MO	QC	1.0	<5.00e-2		ug/g
5	ICSAB		0	@ICP-QC	NA	QC	200	1.97e+02	98.500	% Recovery
5	ICSAB		0	@ICP-QC	ND	QC	1.0	<1.00e-1		ug/g
5	ICSAB		0	@ICP-QC	NI	QC	1.0	9.42e-01	94.200	% Recovery
5	ICSAB		0	@ICP-QC	P	QC	1.0	<2.00e-1		ug/g
5	ICSAB		0	@ICP-QC	PB	QC	1.0	1.01e+00	101.000	% Recovery
5	ICSAB		0	@ICP-QC	S	QC	1.0	<1.00e-1		ug/g
5	ICSAB		0	@ICP-QC	SB	QC	1.0	<6.00e-2		ug/g
5	ICSAB		0	@ICP-QC	SE	QC	1.0	<1.00e-1		ug/g
5	ICSAB		0	@ICP-QC	SI	QC	1.0	<5.00e-2		ug/g
5	ICSAB		0	@ICP-QC	SM	QC	1.0	<1.00e-1		ug/g
5	ICSAB		0	@ICP-QC	SR	QC	1.0	<1.00e-2		ug/g
5	ICSAB		0	@ICP-QC	TI	QC	1.0	<1.00e-2		ug/g
5	ICSAB		0	@ICP-QC	TL	QC	1.0	<2.00e-1		ug/g
5	ICSAB		0	@ICP-QC	U	QC	1.0	<5.00e-1		ug/g
5	ICSAB		0	@ICP-QC	V	QC	0.5	4.78e-01	95.600	% Recovery
5	ICSAB		0	@ICP-QC	ZN	QC	1.0	9.89e-01	98.900	% Recovery
5	ICSAB		0	@ICP-QC	ZR	QC	1.0	<1.00e-2		ug/g
6	PREPBLKTJA		0	@ICP-I01	AG-I-01	SOLID	1	<1.00e-2		ug/g
6	PREPBLKTJA		0	@ICP-I01	AL-I-01	SOLID	1	1.37e-01	0.137	ug/g
6	PREPBLKTJA		0	@ICP-I01	AS-I-01	SOLID	1	<1.00e-1		ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10022

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
6	PREPBLKTJA		0		@ICP-I01 B-I-01	SOLID	1	2.17e+00	2.170	ug/g
6	PREPBLKTJA		0		@ICP-I01 BA-I-01	SOLID	1	<5.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 BE-I-01	SOLID	1	<5.00e-3		ug/g
6	PREPBLKTJA		0		@ICP-I01 BI-I-01	SOLID	1	<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 CA-I-01	SOLID	1	<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 CD-I-01	SOLID	1	<5.00e-3		ug/g
6	PREPBLKTJA		0		@ICP-I01 CE-I-01	SOLID	1	<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 CO-I-01	SOLID	1	<2.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 CR-I-01	SOLID	1	<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 CU-I-01	SOLID	1	1.17e-02	0.012	ug/g
6	PREPBLKTJA		0		@ICP-I01 FE-I-01	SOLID	1	<5.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 K-I-01	SOLID	1	<5.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 LA-I-01	SOLID	1	<5.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 LI-I-01	SOLID	1	<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 MG-I-01	SOLID	1	<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 MN-I-01	SOLID	1	<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 MO-I-01	SOLID	1	<5.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 NA-I-01	SOLID	1	2.54e+00	2.540	ug/g
6	PREPBLKTJA		0		@ICP-I01 ND-I-01	SOLID	1	<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 NI-I-01	SOLID	1	<2.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 P-I-01	SOLID	1	<2.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 PB-I-01	SOLID	1	<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 S-I-01	SOLID	1	<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 SB-I-01	SOLID	1	<6.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 SE-I-01	SOLID	1	<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 SI-I-01	SOLID	1	4.92e-01	0.492	ug/g
6	PREPBLKTJA		0		@ICP-I01 SM-I-01	SOLID	1	<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 SR-I-01	SOLID	1	<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 TL-I-01	SOLID	1	<2.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 U-I-01	SOLID	1	<5.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 V-I-01	SOLID	1	<5.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 ZN-I-01	SOLID	1	<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 ZR-I-01	SOLID	1	<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 TI-I-01	SOLID	1	<1.00e-2		ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 AG-I-01	SOLID	N/A	1.86e+01	4.970	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 AL-I-01	SOLID	N/A	1.30e+04	24.900	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 AS-I-01	SOLID	N/A <	4.97e+01	49.700	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 B-I-01	SOLID	N/A	2.75e+02	24.900	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 BA-I-01	SOLID	N/A <	2.49e+01	24.900	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 BE-I-01	SOLID	N/A <	2.49e+00	2.480	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 BI-I-01	SOLID	N/A <	4.97e+01	49.700	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 CA-I-01	SOLID	N/A	7.10e+01	49.700	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 CD-I-01	SOLID	N/A <	2.49e+00	2.480	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 CE-I-01	SOLID	N/A <	4.97e+01	49.700	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 CO-I-01	SOLID	N/A <	9.94e+00	9.940	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 CR-I-01	SOLID	N/A	3.82e+02	4.970	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 CU-I-01	SOLID	N/A <	4.97e+00	4.970	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 FE-I-01	SOLID	N/A <	2.49e+01	24.900	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 K-I-01	SOLID	N/A	1.69e+03	249.000	ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10022

Seq	Type	Sample#	R	A	Test	Matrix	Actual		Found	DL or Yield	Unit
7	SAMPLE	S96T003184	0	I	@ICP-I01 LA-I-01	SOLID	N/A	<	2.49e+01	24.900	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 LI-I-01	SOLID	N/A	<	4.97e+00	4.970	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 MG-I-01	SOLID	N/A	<	4.97e+01	49.700	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 MN-I-01	SOLID	N/A	<	4.97e+00	4.970	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 MO-I-01	SOLID	N/A		5.01e+01	24.900	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 NA-I-01	SOLID	N/A		2.56e+05	49.700	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 ND-I-01	SOLID	N/A	<	4.97e+01	49.700	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 NI-I-01	SOLID	N/A	<	9.94e+00	9.940	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 P-I-01	SOLID	N/A		3.17e+03	99.400	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 PB-I-01	SOLID	N/A	<	4.97e+01	49.700	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 S-I-01	SOLID	N/A		4.17e+03	49.700	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 SB-I-01	SOLID	N/A	<	2.98e+01	29.800	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 SE-I-01	SOLID	N/A	<	4.97e+01	49.700	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 SI-I-01	SOLID	N/A		3.24e+02	24.900	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 SM-I-01	SOLID	N/A	<	4.97e+01	49.700	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 SR-I-01	SOLID	N/A	<	4.97e+00	4.970	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 TI-I-01	SOLID	N/A	<	4.97e+00	4.970	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 TL-I-01	SOLID	N/A	<	9.94e+01	99.400	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 U-I-01	SOLID	N/A	<	2.49e+02	249.000	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 V-I-01	SOLID	N/A	<	2.49e+01	24.900	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 ZN-I-01	SOLID	N/A		1.22e+01	4.970	ug/g
7	SAMPLE	S96T003184	0	I	@ICP-I01 ZR-I-01	SOLID	N/A	<	4.97e+00	4.970	ug/g
8	DUP	S96T003184	0	I	@ICP-I01 AG-I-01	SOLID	1.86e+01		1.82e+01	2.174	RPD
8	DUP	S96T003184	0	I	@ICP-I01 AL-I-01	SOLID	1.30e+04		1.11e+04	15.768	RPD
8	DUP	S96T003184	0	I	@ICP-I01 AS-I-01	SOLID	<4.97e1		<5.56e1		RPD
8	DUP	S96T003184	0	I	@ICP-I01 B-I-01	SOLID	2.75e+02		3.75e+02	30.769	RPD
8	DUP	S96T003184	0	I	@ICP-I01 BA-I-01	SOLID	<2.49e1		<2.78e1		RPD
8	DUP	S96T003184	0	I	@ICP-I01 BE-I-01	SOLID	<2.49e0		<2.78e0		RPD
8	DUP	S96T003184	0	I	@ICP-I01 BI-I-01	SOLID	<4.97e1		<5.56e1		RPD
8	DUP	S96T003184	0	I	@ICP-I01 CA-I-01	SOLID	7.10e+01		9.02e+01	23.821	RPD
8	DUP	S96T003184	0	I	@ICP-I01 CD-I-01	SOLID	<2.49e0		<2.78e0		RPD
8	DUP	S96T003184	0	I	@ICP-I01 CE-I-01	SOLID	<4.97e1		<5.56e1		RPD
8	DUP	S96T003184	0	I	@ICP-I01 CO-I-01	SOLID	<9.94e0		<1.11e1		RPD
8	DUP	S96T003184	0	I	@ICP-I01 CR-I-01	SOLID	3.82e+02		4.02e+02	5.102	RPD
8	DUP	S96T003184	0	I	@ICP-I01 CU-I-01	SOLID	<4.97e0		<5.56e0		RPD
8	DUP	S96T003184	0	I	@ICP-I01 FE-I-01	SOLID	<2.49e1		<2.78e1		RPD
8	DUP	S96T003184	0	I	@ICP-I01 K-I-01	SOLID	1.69e+03		1.62e+03	4.230	RPD
8	DUP	S96T003184	0	I	@ICP-I01 LA-I-01	SOLID	<2.49e1		<2.78e1		RPD
8	DUP	S96T003184	0	I	@ICP-I01 LI-I-01	SOLID	<4.97e0		<5.56e0		RPD
8	DUP	S96T003184	0	I	@ICP-I01 MG-I-01	SOLID	<4.97e1		<5.56e1		RPD
8	DUP	S96T003184	0	I	@ICP-I01 MN-I-01	SOLID	<4.97e0		<5.56e0		RPD
8	DUP	S96T003184	0	I	@ICP-I01 MO-I-01	SOLID	5.01e+01		5.61e+01	11.299	RPD
8	DUP	S96T003184	0	I	@ICP-I01 NA-I-01	SOLID	2.56e+05		2.54e+05	0.784	RPD
8	DUP	S96T003184	0	I	@ICP-I01 ND-I-01	SOLID	<4.97e1		<5.56e1		RPD
8	DUP	S96T003184	0	I	@ICP-I01 NI-I-01	SOLID	<9.94e0		<1.11e1		RPD
8	DUP	S96T003184	0	I	@ICP-I01 P-I-01	SOLID	3.17e+03		3.92e+03	21.157	RPD
8	DUP	S96T003184	0	I	@ICP-I01 PB-I-01	SOLID	<4.97e1		<5.56e1		RPD
8	DUP	S96T003184	0	I	@ICP-I01 S-I-01	SOLID	4.17e+03		4.08e+03	2.182	RPD
8	DUP	S96T003184	0	I	@ICP-I01 SB-I-01	SOLID	<2.98e1		<3.33e1		RPD

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10022

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
8	DUP	S96T003184	0	I	@ICP-I01	SE-I-01	SOLID	<4.97e1	<5.56e1		RPD
8	DUP	S96T003184	0	I	@ICP-I01	SI-I-01	SOLID	3.24e+02	3.11e+02	4.094	RPD
8	DUP	S96T003184	0	I	@ICP-I01	SM-I-01	SOLID	<4.97e1	<5.56e1		RPD
8	DUP	S96T003184	0	I	@ICP-I01	SR-I-01	SOLID	<4.97e0	<5.56e0		RPD
8	DUP	S96T003184	0	I	@ICP-I01	TL-I-01	SOLID	<9.94e1	<1.11e2		RPD
8	DUP	S96T003184	0	I	@ICP-I01	U-I-01	SOLID	<2.49e2	<2.78e2		RPD
8	DUP	S96T003184	0	I	@ICP-I01	V-I-01	SOLID	<2.49e1	<2.78e1		RPD
8	DUP	S96T003184	0	I	@ICP-I01	ZN-I-01	SOLID	1.22e+01	1.14e+01	6.780	RPD
8	DUP	S96T003184	0	I	@ICP-I01	ZR-I-01	SOLID	<4.97e0	<5.56e0		RPD
8	DUP	S96T003184	0	I	@ICP-I01	TI-I-01	SOLID	<4.97e0	<5.56e0		RPD
9	SPK	S96T003184	0	I	@ICP-I01	AG-I-01	SOLID	1	0.938	93.800	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	AL-I-01	SOLID	1	<5.00e-2		% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	AS-I-01	SOLID	1	1.000	100.000	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	B-I-01	SOLID	1	0.991	99.100	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	BA-I-01	SOLID	1	1.004	100.400	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	BE-I-01	SOLID	1	1.036	103.600	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	BI-I-01	SOLID	1	1.040	104.000	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	CA-I-01	SOLID	1	0.969	96.900	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	CD-I-01	SOLID	1	0.992	99.200	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	CE-I-01	SOLID	1	1.028	102.800	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	CO-I-01	SOLID	1	1.000	100.000	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	CR-I-01	SOLID	1	0.996	99.600	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	CU-I-01	SOLID	1	1.064	106.400	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	FE-I-01	SOLID	1	1.012	101.200	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	K-I-01	SOLID	1	0.601	60.100	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	LA-I-01	SOLID	1	1.020	102.000	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	LI-I-01	SOLID	1	1.056	105.600	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	MG-I-01	SOLID	1	0.952	95.200	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	MN-I-01	SOLID	1	0.956	95.600	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	MO-I-01	SOLID	1	1.011	101.100	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	NA-I-01	SOLID	1	0.520	52.000	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	ND-I-01	SOLID	1	1.032	103.200	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	NI-I-01	SOLID	1	1.008	100.800	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	P-I-01	SOLID	1	<2.00e-1		% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	PB-I-01	SOLID	1	0.992	99.200	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	S-I-01	SOLID	1	0.966	96.600	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	SB-I-01	SOLID	1	0.972	97.200	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	SE-I-01	SOLID	1	1.116	111.600	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	SI-I-01	SOLID	1	0.788	78.800	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	SM-I-01	SOLID	1	0.988	98.800	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	SR-I-01	SOLID	1	1.004	100.400	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	TL-I-01	SOLID	1	0.956	95.600	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	U-I-01	SOLID	2	2.076	103.800	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	V-I-01	SOLID	1	1.004	100.400	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	ZN-I-01	SOLID	1	1.016	101.600	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	ZR-I-01	SOLID	1	0.992	99.200	% Recovery
9	SPK	S96T003184	0	I	@ICP-I01	TI-I-01	SOLID	1	0.992	99.200	% Recovery
10	CCV		0		@ICP-QC	AG	QC	5.0	5.02e+00	100.400	% Recovery
10	CCV		0		@ICP-QC	AL	QC	5.0	5.00e+00	100.000	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10022

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
10	CCV		0	@ICP-QC	AS	QC	5.0	5.28e+00	105.600	% Recovery
10	CCV		0	@ICP-QC	B	QC	5.0	5.17e+00	103.400	% Recovery
10	CCV		0	@ICP-QC	BA	QC	5.0	5.10e+00	102.000	% Recovery
10	CCV		0	@ICP-QC	BE	QC	5.0	5.29e+00	105.800	% Recovery
10	CCV		0	@ICP-QC	BI	QC	5.0	5.09e+00	101.800	% Recovery
10	CCV		0	@ICP-QC	CA	QC	5.0	5.09e+00	101.800	% Recovery
10	CCV		0	@ICP-QC	CD	QC	5.0	5.03e+00	100.600	% Recovery
10	CCV		0	@ICP-QC	CE	QC	5.0	5.24e+00	104.800	% Recovery
10	CCV		0	@ICP-QC	CO	QC	5.0	5.07e+00	101.400	% Recovery
10	CCV		0	@ICP-QC	CR	QC	5.0	5.10e+00	102.000	% Recovery
10	CCV		0	@ICP-QC	CU	QC	5.0	5.36e+00	107.200	% Recovery
10	CCV		0	@ICP-QC	FE	QC	5.0	5.13e+00	102.600	% Recovery
10	CCV		0	@ICP-QC	K	QC	5.0	5.09e+00	101.800	% Recovery
10	CCV		0	@ICP-QC	LA	QC	5.0	5.13e+00	102.600	% Recovery
10	CCV		0	@ICP-QC	LI	QC	5.0	5.27e+00	105.400	% Recovery
10	CCV		0	@ICP-QC	MG	QC	5.0	4.99e+00	99.800	% Recovery
10	CCV		0	@ICP-QC	MN	QC	5.0	4.96e+00	99.200	% Recovery
10	CCV		0	@ICP-QC	MO	QC	5.0	5.07e+00	101.400	% Recovery
10	CCV		0	@ICP-QC	NA	QC	5.0	5.12e+00	102.400	% Recovery
10	CCV		0	@ICP-QC	ND	QC	5.0	5.20e+00	104.000	% Recovery
10	CCV		0	@ICP-QC	NI	QC	5.0	5.05e+00	101.000	% Recovery
10	CCV		0	@ICP-QC	P	QC	5.0	5.17e+00	103.400	% Recovery
10	CCV		0	@ICP-QC	PB	QC	5.0	4.99e+00	99.800	% Recovery
10	CCV		0	@ICP-QC	S	QC	5.0	5.03e+00	100.600	% Recovery
10	CCV		0	@ICP-QC	SB	QC	5.0	4.88e+00	97.600	% Recovery
10	CCV		0	@ICP-QC	SE	QC	5.0	5.00e+00	100.000	% Recovery
10	CCV		0	@ICP-QC	SI	QC	5.0	4.90e+00	98.000	% Recovery
10	CCV		0	@ICP-QC	SM	QC	5.0	5.03e+00	100.600	% Recovery
10	CCV		0	@ICP-QC	SR	QC	5.0	5.07e+00	101.400	% Recovery
10	CCV		0	@ICP-QC	TI	QC	5.0	4.98e+00	99.600	% Recovery
10	CCV		0	@ICP-QC	TL	QC	5.0	4.89e+00	97.800	% Recovery
10	CCV		0	@ICP-QC	U	QC	10.	1.00e+01	100.000	% Recovery
10	CCV		0	@ICP-QC	V	QC	5.0	5.08e+00	101.600	% Recovery
10	CCV		0	@ICP-QC	ZN	QC	5.0	5.10e+00	102.000	% Recovery
10	CCV		0	@ICP-QC	ZR	QC	5.0	5.01e+00	100.200	% Recovery
11	CCB		0	@ICP-QC	AG	QC	1	<1.00e-2		ug/g
11	CCB		0	@ICP-QC	AL	QC	1	<5.00e-2		ug/g
11	CCB		0	@ICP-QC	AS	QC	1	<1.00e-1		ug/g
11	CCB		0	@ICP-QC	B	QC	1	<5.00e-2		ug/g
11	CCB		0	@ICP-QC	BA	QC	1	<5.00e-2		ug/g
11	CCB		0	@ICP-QC	BE	QC	1	<5.00e-3		ug/g
11	CCB		0	@ICP-QC	BI	QC	1	<1.00e-1		ug/g
11	CCB		0	@ICP-QC	CA	QC	1	<1.00e-1		ug/g
11	CCB		0	@ICP-QC	CD	QC	1	<5.00e-3		ug/g
11	CCB		0	@ICP-QC	CE	QC	1	<1.00e-1		ug/g
11	CCB		0	@ICP-QC	CO	QC	1	<2.00e-2		ug/g
11	CCB		0	@ICP-QC	CR	QC	1	<1.00e-2		ug/g
11	CCB		0	@ICP-QC	CU	QC	1	<1.00e-2		ug/g
11	CCB		0	@ICP-QC	FE	QC	1	<5.00e-2		ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10022

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
11	CCB		0	@ICP-QC	K	QC	1	<5.00e-1		ug/g
11	CCB		0	@ICP-QC	LA	QC	1	<5.00e-2		ug/g
11	CCB		0	@ICP-QC	LI	QC	1	<1.00e-2		ug/g
11	CCB		0	@ICP-QC	MG	QC	1	<1.00e-1		ug/g
11	CCB		0	@ICP-QC	MN	QC	1	<1.00e-2		ug/g
11	CCB		0	@ICP-QC	MO	QC	1	<5.00e-2		ug/g
11	CCB		0	@ICP-QC	NA	QC	1	<1.00e-1		ug/g
11	CCB		0	@ICP-QC	ND	QC	1	<1.00e-1		ug/g
11	CCB		0	@ICP-QC	NI	QC	1	<2.00e-2		ug/g
11	CCB		0	@ICP-QC	P	QC	1	<2.00e-1		ug/g
11	CCB		0	@ICP-QC	PB	QC	1	<1.00e-1		ug/g
11	CCB		0	@ICP-QC	S	QC	1	<1.00e-1		ug/g
11	CCB		0	@ICP-QC	SB	QC	1	<6.00e-2		ug/g
11	CCB		0	@ICP-QC	SE	QC	1	<1.00e-1		ug/g
11	CCB		0	@ICP-QC	SI	QC	1	<5.00e-2		ug/g
11	CCB		0	@ICP-QC	SM	QC	1	<1.00e-1		ug/g
11	CCB		0	@ICP-QC	SR	QC	1	<1.00e-2		ug/g
11	CCB		0	@ICP-QC	TI	QC	1	<1.00e-2		ug/g
11	CCB		0	@ICP-QC	TL	QC	1	<2.00e-1		ug/g
11	CCB		0	@ICP-QC	U	QC	1	<5.00e-1		ug/g
11	CCB		0	@ICP-QC	V	QC	1	<5.00e-2		ug/g
11	CCB		0	@ICP-QC	ZN	QC	1	<1.00e-2		ug/g
11	CCB		0	@ICP-QC	ZR	QC	1	<1.00e-2		ug/g
12	PREPBLKTJA		0	@ICP-I01	AG-I-01	SOLID	1	<1.00e-2		ug/g
12	PREPBLKTJA		0	@ICP-I01	AL-I-01	SOLID	1	1.39e-01	0.139	ug/g
12	PREPBLKTJA		0	@ICP-I01	AS-I-01	SOLID	1	<1.00e-1		ug/g
12	PREPBLKTJA		0	@ICP-I01	B-I-01	SOLID	1	2.27e+00	2.270	ug/g
12	PREPBLKTJA		0	@ICP-I01	BA-I-01	SOLID	1	<5.00e-2		ug/g
12	PREPBLKTJA		0	@ICP-I01	BE-I-01	SOLID	1	<5.00e-3		ug/g
12	PREPBLKTJA		0	@ICP-I01	BI-I-01	SOLID	1	<1.00e-1		ug/g
12	PREPBLKTJA		0	@ICP-I01	CA-I-01	SOLID	1	<1.00e-1		ug/g
12	PREPBLKTJA		0	@ICP-I01	CD-I-01	SOLID	1	<5.00e-3		ug/g
12	PREPBLKTJA		0	@ICP-I01	CE-I-01	SOLID	1	<1.00e-1		ug/g
12	PREPBLKTJA		0	@ICP-I01	CO-I-01	SOLID	1	<2.00e-2		ug/g
12	PREPBLKTJA		0	@ICP-I01	CR-I-01	SOLID	1	<1.00e-2		ug/g
12	PREPBLKTJA		0	@ICP-I01	CU-I-01	SOLID	1	<1.00e-2		ug/g
12	PREPBLKTJA		0	@ICP-I01	FE-I-01	SOLID	1	<5.00e-2		ug/g
12	PREPBLKTJA		0	@ICP-I01	K-I-01	SOLID	1	<5.00e-1		ug/g
12	PREPBLKTJA		0	@ICP-I01	LA-I-01	SOLID	1	<5.00e-2		ug/g
12	PREPBLKTJA		0	@ICP-I01	LI-I-01	SOLID	1	<1.00e-2		ug/g
12	PREPBLKTJA		0	@ICP-I01	MG-I-01	SOLID	1	<1.00e-1		ug/g
12	PREPBLKTJA		0	@ICP-I01	MN-I-01	SOLID	1	<1.00e-2		ug/g
12	PREPBLKTJA		0	@ICP-I01	MO-I-01	SOLID	1	<5.00e-2		ug/g
12	PREPBLKTJA		0	@ICP-I01	NA-I-01	SOLID	1	2.67e+00	2.670	ug/g
12	PREPBLKTJA		0	@ICP-I01	ND-I-01	SOLID	1	<1.00e-1		ug/g
12	PREPBLKTJA		0	@ICP-I01	NI-I-01	SOLID	1	<2.00e-2		ug/g
12	PREPBLKTJA		0	@ICP-I01	P-I-01	SOLID	1	<2.00e-1		ug/g
12	PREPBLKTJA		0	@ICP-I01	PB-I-01	SOLID	1	<1.00e-1		ug/g
12	PREPBLKTJA		0	@ICP-I01	S-I-01	SOLID	1	<1.00e-1		ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10022

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
12	PREPBLKTJA		0		@ICP-I01 SB-I-01	SOLID	1	<6.00e-2		ug/g
12	PREPBLKTJA		0		@ICP-I01 SE-I-01	SOLID	1	<1.00e-1		ug/g
12	PREPBLKTJA		0		@ICP-I01 SI-I-01	SOLID	1	4.35e-01	0.435	ug/g
12	PREPBLKTJA		0		@ICP-I01 SM-I-01	SOLID	1	<1.00e-1		ug/g
12	PREPBLKTJA		0		@ICP-I01 SR-I-01	SOLID	1	<1.00e-2		ug/g
12	PREPBLKTJA		0		@ICP-I01 TL-I-01	SOLID	1	<2.00e-1		ug/g
12	PREPBLKTJA		0		@ICP-I01 U-I-01	SOLID	1	<5.00e-1		ug/g
12	PREPBLKTJA		0		@ICP-I01 V-I-01	SOLID	1	<5.00e-2		ug/g
12	PREPBLKTJA		0		@ICP-I01 ZN-I-01	SOLID	1	<1.00e-2		ug/g
12	PREPBLKTJA		0		@ICP-I01 ZR-I-01	SOLID	1	<1.00e-2		ug/g
12	PREPBLKTJA		0		@ICP-I01 TI-I-01	SOLID	1	<1.00e-2		ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 AG-I-01	SOLID	N/A	1.77e+01	4.880	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 AL-I-01	SOLID	N/A	4.76e+03	24.400	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 AS-I-01	SOLID	N/A <	4.88e+01	48.800	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 B-I-01	SOLID	N/A	3.10e+02	24.400	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 BA-I-01	SOLID	N/A <	2.44e+01	24.400	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 BE-I-01	SOLID	N/A <	2.44e+00	2.440	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 BI-I-01	SOLID	N/A <	4.88e+01	48.800	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 CA-I-01	SOLID	N/A	5.15e+01	48.800	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 CD-I-01	SOLID	N/A <	2.44e+00	2.440	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 CE-I-01	SOLID	N/A <	4.88e+01	48.800	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 CO-I-01	SOLID	N/A <	9.76e+00	9.760	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 CR-I-01	SOLID	N/A	2.60e+02	4.880	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 CU-I-01	SOLID	N/A <	4.88e+00	4.880	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 FE-I-01	SOLID	N/A <	2.44e+01	24.400	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 K-I-01	SOLID	N/A	1.26e+03	244.000	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 LA-I-01	SOLID	N/A <	2.44e+01	24.400	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 LI-I-01	SOLID	N/A <	4.88e+00	4.880	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 MG-I-01	SOLID	N/A <	4.88e+01	48.800	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 MN-I-01	SOLID	N/A <	4.88e+00	4.880	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 MO-I-01	SOLID	N/A	3.63e+01	24.400	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 NA-I-01	SOLID	N/A	2.51e+05	48.800	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 ND-I-01	SOLID	N/A <	4.88e+01	48.800	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 NI-I-01	SOLID	N/A <	9.76e+00	9.760	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 P-I-01	SOLID	N/A	1.51e+03	97.600	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 PB-I-01	SOLID	N/A <	4.88e+01	48.800	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 S-I-01	SOLID	N/A	2.52e+03	48.800	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 SB-I-01	SOLID	N/A <	2.93e+01	29.300	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 SE-I-01	SOLID	N/A <	4.88e+01	48.800	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 SI-I-01	SOLID	N/A	3.50e+02	24.400	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 SM-I-01	SOLID	N/A <	4.88e+01	48.800	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 SR-I-01	SOLID	N/A <	4.88e+00	4.880	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 TI-I-01	SOLID	N/A <	4.88e+00	4.880	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 TL-I-01	SOLID	N/A <	9.76e+01	97.600	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 U-I-01	SOLID	N/A <	2.44e+02	244.000	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 V-I-01	SOLID	N/A <	2.44e+01	24.400	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 ZN-I-01	SOLID	N/A	1.19e+01	4.880	ug/g
13	SAMPLE	S96T003188	0	I	@ICP-I01 ZR-I-01	SOLID	N/A <	4.88e+00	4.880	ug/g
14	DUP	S96T003188	0	I	@ICP-I01 AG-I-01	SOLID	1.77e+01	1.71e+01	3.448	RPD

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10022

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
14	DUP	S96T003188	0	I	@ICP-I01 AL-I-01	SOLID	4.76e+03	9.84e+03	69.589	RPD
14	DUP	S96T003188	0	I	@ICP-I01 AS-I-01	SOLID	<4.88e1	<4.91e1		RPD
14	DUP	S96T003188	0	I	@ICP-I01 B-I-01	SOLID	3.10e+02	2.28e+02	30.483	RPD
14	DUP	S96T003188	0	I	@ICP-I01 BA-I-01	SOLID	<2.44e1	<2.45e1		RPD
14	DUP	S96T003188	0	I	@ICP-I01 BE-I-01	SOLID	<2.44e0	<2.45e0		RPD
14	DUP	S96T003188	0	I	@ICP-I01 BI-I-01	SOLID	<4.88e1	<4.91e1		RPD
14	DUP	S96T003188	0	I	@ICP-I01 CA-I-01	SOLID	5.15e+01	5.10e+01	0.976	RPD
14	DUP	S96T003188	0	I	@ICP-I01 CD-I-01	SOLID	<2.44e0	<2.45e0		RPD
14	DUP	S96T003188	0	I	@ICP-I01 CE-I-01	SOLID	<4.88e1	<4.91e1		RPD
14	DUP	S96T003188	0	I	@ICP-I01 CO-I-01	SOLID	<9.76e0	<9.81e0		RPD
14	DUP	S96T003188	0	I	@ICP-I01 CR-I-01	SOLID	2.60e+02	2.55e+02	1.942	RPD
14	DUP	S96T003188	0	I	@ICP-I01 CU-I-01	SOLID	<4.88e0	<4.91e0		RPD
14	DUP	S96T003188	0	I	@ICP-I01 FE-I-01	SOLID	<2.44e1	<2.45e1		RPD
14	DUP	S96T003188	0	I	@ICP-I01 K-I-01	SOLID	1.26e+03	1.43e+03	12.639	RPD
14	DUP	S96T003188	0	I	@ICP-I01 LA-I-01	SOLID	<2.44e1	<2.45e1		RPD
14	DUP	S96T003188	0	I	@ICP-I01 LI-I-01	SOLID	<4.88e0	<4.91e0		RPD
14	DUP	S96T003188	0	I	@ICP-I01 MG-I-01	SOLID	<4.88e1	<4.91e1		RPD
14	DUP	S96T003188	0	I	@ICP-I01 MN-I-01	SOLID	<4.88e0	<4.91e0		RPD
14	DUP	S96T003188	0	I	@ICP-I01 MO-I-01	SOLID	3.63e+01	3.10e+01	15.750	RPD
14	DUP	S96T003188	0	I	@ICP-I01 NA-I-01	SOLID	2.51e+05	2.48e+05	1.202	RPD
14	DUP	S96T003188	0	I	@ICP-I01 ND-I-01	SOLID	<4.88e1	<4.91e1		RPD
14	DUP	S96T003188	0	I	@ICP-I01 NI-I-01	SOLID	<9.76e0	<9.81e0		RPD
14	DUP	S96T003188	0	I	@ICP-I01 P-I-01	SOLID	1.51e+03	2.22e+03	38.070	RPD
14	DUP	S96T003188	0	I	@ICP-I01 PB-I-01	SOLID	<4.88e1	<4.91e1		RPD
14	DUP	S96T003188	0	I	@ICP-I01 S-I-01	SOLID	2.52e+03	2.40e+03	4.878	RPD
14	DUP	S96T003188	0	I	@ICP-I01 SB-I-01	SOLID	<2.93e1	<2.94e1		RPD
14	DUP	S96T003188	0	I	@ICP-I01 SE-I-01	SOLID	<4.88e1	<4.91e1		RPD
14	DUP	S96T003188	0	I	@ICP-I01 SI-I-01	SOLID	3.50e+02	3.16e+02	10.210	RPD
14	DUP	S96T003188	0	I	@ICP-I01 SM-I-01	SOLID	<4.88e1	<4.91e1		RPD
14	DUP	S96T003188	0	I	@ICP-I01 SR-I-01	SOLID	<4.88e0	<4.91e0		RPD
14	DUP	S96T003188	0	I	@ICP-I01 TL-I-01	SOLID	<9.76e1	<9.81e1		RPD
14	DUP	S96T003188	0	I	@ICP-I01 U-I-01	SOLID	<2.44e2	<2.45e2		RPD
14	DUP	S96T003188	0	I	@ICP-I01 V-I-01	SOLID	<2.44e1	<2.45e1		RPD
14	DUP	S96T003188	0	I	@ICP-I01 ZN-I-01	SOLID	1.19e+01	1.15e+01	3.419	RPD
14	DUP	S96T003188	0	I	@ICP-I01 ZR-I-01	SOLID	<4.88e0	<4.91e0		RPD
14	DUP	S96T003188	0	I	@ICP-I01 TI-I-01	SOLID	<4.88e0	<4.91e0		RPD
15	SPK	S96T003188	0	I	@ICP-I01 AG-I-01	SOLID	1	0.932	93.200	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01 AL-I-01	SOLID	1	10.811	1081.100	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01 AS-I-01	SOLID	1	1.020	102.000	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01 B-I-01	SOLID	1	0.981	98.100	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01 BA-I-01	SOLID	1	0.988	98.800	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01 BE-I-01	SOLID	1	1.024	102.400	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01 BI-I-01	SOLID	1	1.008	100.800	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01 CA-I-01	SOLID	1	1.034	103.400	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01 CD-I-01	SOLID	1	0.996	99.600	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01 CE-I-01	SOLID	1	1.028	102.800	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01 CO-I-01	SOLID	1	1.004	100.400	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01 CR-I-01	SOLID	1	1.018	101.800	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01 CU-I-01	SOLID	1	1.040	104.000	% Recovery

LABCORE Completed Worklist Report for Worklist# 10022

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
15	SPK	S96T003188	0	I	@ICP-I01	FE-I-01	SOLID	1	1.012	101.200	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01	K-I-01	SOLID	1	1.210	121.000	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01	LA-I-01	SOLID	1	1.008	100.800	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01	LI-I-01	SOLID	1	1.020	102.000	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01	MG-I-01	SOLID	1	0.968	96.800	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01	MN-I-01	SOLID	1	0.960	96.000	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01	MO-I-01	SOLID	1	1.018	101.800	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01	NA-I-01	SOLID	1	<1.00e-1		% Recovery
15	SPK	S96T003188	0	I	@ICP-I01	ND-I-01	SOLID	1	1.016	101.600	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01	NI-I-01	SOLID	1	0.996	99.600	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01	P-I-01	SOLID	1	4.229	422.900	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01	PB-I-01	SOLID	1	1.008	100.800	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01	S-I-01	SOLID	1	1.002	100.200	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01	SB-I-01	SOLID	1	0.968	96.800	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01	SE-I-01	SOLID	1	1.092	109.200	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01	SI-I-01	SOLID	1	1.086	108.600	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01	SM-I-01	SOLID	1	0.976	97.600	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01	SR-I-01	SOLID	1	0.988	98.800	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01	TL-I-01	SOLID	1	0.964	96.400	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01	U-I-01	SOLID	2	2.028	101.400	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01	V-I-01	SOLID	1	1.004	100.400	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01	ZN-I-01	SOLID	1	1.024	102.400	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01	ZR-I-01	SOLID	1	0.984	98.400	% Recovery
15	SPK	S96T003188	0	I	@ICP-I01	TI-I-01	SOLID	1	0.976	97.600	% Recovery
16	CCV		0		@ICP-QC	AG	QC	5.0	4.90e+00	98.000	% Recovery
16	CCV		0		@ICP-QC	AL	QC	5.0	4.89e+00	97.800	% Recovery
16	CCV		0		@ICP-QC	AS	QC	5.0	5.12e+00	102.400	% Recovery
16	CCV		0		@ICP-QC	B	QC	5.0	5.03e+00	100.600	% Recovery
16	CCV		0		@ICP-QC	BA	QC	5.0	4.92e+00	98.400	% Recovery
16	CCV		0		@ICP-QC	BE	QC	5.0	5.17e+00	103.400	% Recovery
16	CCV		0		@ICP-QC	BI	QC	5.0	5.01e+00	100.200	% Recovery
16	CCV		0		@ICP-QC	CA	QC	5.0	4.95e+00	99.000	% Recovery
16	CCV		0		@ICP-QC	CD	QC	5.0	4.89e+00	97.800	% Recovery
16	CCV		0		@ICP-QC	CE	QC	5.0	5.08e+00	101.600	% Recovery
16	CCV		0		@ICP-QC	CO	QC	5.0	4.94e+00	98.800	% Recovery
16	CCV		0		@ICP-QC	CR	QC	5.0	4.97e+00	99.400	% Recovery
16	CCV		0		@ICP-QC	CU	QC	5.0	5.20e+00	104.000	% Recovery
16	CCV		0		@ICP-QC	FE	QC	5.0	5.00e+00	100.000	% Recovery
16	CCV		0		@ICP-QC	K	QC	5.0	4.86e+00	97.200	% Recovery
16	CCV		0		@ICP-QC	LA	QC	5.0	4.99e+00	99.800	% Recovery
16	CCV		0		@ICP-QC	LI	QC	5.0	5.12e+00	102.400	% Recovery
16	CCV		0		@ICP-QC	MG	QC	5.0	4.88e+00	97.600	% Recovery
16	CCV		0		@ICP-QC	MN	QC	5.0	4.81e+00	96.200	% Recovery
16	CCV		0		@ICP-QC	MO	QC	5.0	4.95e+00	99.000	% Recovery
16	CCV		0		@ICP-QC	NA	QC	5.0	5.00e+00	100.000	% Recovery
16	CCV		0		@ICP-QC	ND	QC	5.0	5.06e+00	101.200	% Recovery
16	CCV		0		@ICP-QC	NI	QC	5.0	4.90e+00	98.000	% Recovery
16	CCV		0		@ICP-QC	P	QC	5.0	4.95e+00	99.000	% Recovery
16	CCV		0		@ICP-QC	PB	QC	5.0	4.86e+00	97.200	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10022

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
16	CCV		0	@ICP-QC	S	QC	5.0	4.88e+00	97.600	% Recovery
16	CCV		0	@ICP-QC	SB	QC	5.0	4.74e+00	94.800	% Recovery
16	CCV		0	@ICP-QC	SE	QC	5.0	4.87e+00	97.400	% Recovery
16	CCV		0	@ICP-QC	SI	QC	5.0	4.75e+00	95.000	% Recovery
16	CCV		0	@ICP-QC	SM	QC	5.0	4.89e+00	97.800	% Recovery
16	CCV		0	@ICP-QC	SR	QC	5.0	4.94e+00	98.800	% Recovery
16	CCV		0	@ICP-QC	TI	QC	5.0	4.88e+00	97.600	% Recovery
16	CCV		0	@ICP-QC	TL	QC	5.0	4.72e+00	94.400	% Recovery
16	CCV		0	@ICP-QC	U	QC	10.	9.74e+00	97.400	% Recovery
16	CCV		0	@ICP-QC	V	QC	5.0	4.95e+00	99.000	% Recovery
16	CCV		0	@ICP-QC	ZN	QC	5.0	4.98e+00	99.600	% Recovery
16	CCV		0	@ICP-QC	ZR	QC	5.0	4.87e+00	97.400	% Recovery
17	CCB		0	@ICP-QC	AG	QC	1	<1.00e-2		ug/g
17	CCB		0	@ICP-QC	AL	QC	1	<5.00e-2		ug/g
17	CCB		0	@ICP-QC	AS	QC	1	<1.00e-1		ug/g
17	CCB		0	@ICP-QC	B	QC	1	<5.00e-2		ug/g
17	CCB		0	@ICP-QC	BA	QC	1	<5.00e-2		ug/g
17	CCB		0	@ICP-QC	BE	QC	1	<5.00e-3		ug/g
17	CCB		0	@ICP-QC	BI	QC	1	<1.00e-1		ug/g
17	CCB		0	@ICP-QC	CA	QC	1	<1.00e-1		ug/g
17	CCB		0	@ICP-QC	CD	QC	1	<5.00e-3		ug/g
17	CCB		0	@ICP-QC	CE	QC	1	<1.00e-1		ug/g
17	CCB		0	@ICP-QC	CO	QC	1	<2.00e-2		ug/g
17	CCB		0	@ICP-QC	CR	QC	1	<1.00e-2		ug/g
17	CCB		0	@ICP-QC	CU	QC	1	<1.00e-2		ug/g
17	CCB		0	@ICP-QC	FE	QC	1	<5.00e-2		ug/g
17	CCB		0	@ICP-QC	K	QC	1	<5.00e-1		ug/g
17	CCB		0	@ICP-QC	LA	QC	1	<5.00e-2		ug/g
17	CCB		0	@ICP-QC	LI	QC	1	<1.00e-2		ug/g
17	CCB		0	@ICP-QC	MG	QC	1	<1.00e-1		ug/g
17	CCB		0	@ICP-QC	MN	QC	1	<1.00e-2		ug/g
17	CCB		0	@ICP-QC	MO	QC	1	<5.00e-2		ug/g
17	CCB		0	@ICP-QC	NA	QC	1	<1.00e-1		ug/g
17	CCB		0	@ICP-QC	ND	QC	1	<1.00e-1		ug/g
17	CCB		0	@ICP-QC	NI	QC	1	<2.00e-2		ug/g
17	CCB		0	@ICP-QC	P	QC	1	<2.00e-1		ug/g
17	CCB		0	@ICP-QC	PB	QC	1	<1.00e-1		ug/g
17	CCB		0	@ICP-QC	S	QC	1	<1.00e-1		ug/g
17	CCB		0	@ICP-QC	SB	QC	1	<6.00e-2		ug/g
17	CCB		0	@ICP-QC	SE	QC	1	<1.00e-1		ug/g
17	CCB		0	@ICP-QC	SI	QC	1	<5.00e-2		ug/g
17	CCB		0	@ICP-QC	SM	QC	1	<1.00e-1		ug/g
17	CCB		0	@ICP-QC	SR	QC	1	<1.00e-2		ug/g
17	CCB		0	@ICP-QC	TI	QC	1	<1.00e-2		ug/g
17	CCB		0	@ICP-QC	TL	QC	1	<2.00e-1		ug/g
17	CCB		0	@ICP-QC	U	QC	1	<5.00e-1		ug/g
17	CCB		0	@ICP-QC	V	QC	1	<5.00e-2		ug/g
17	CCB		0	@ICP-QC	ZN	QC	1	<1.00e-2		ug/g
17	CCB		0	@ICP-QC	ZR	QC	1	<1.00e-2		ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10022

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
18	PREPBLKTJA		0		@ICP-I01 AG-I-01	SOLID	1	<1.00e-2		ug/g
18	PREPBLKTJA		0		@ICP-I01 AL-I-01	SOLID	1	1.42e-01	0.142	ug/g
18	PREPBLKTJA		0		@ICP-I01 AS-I-01	SOLID	1	<1.00e-1		ug/g
18	PREPBLKTJA		0		@ICP-I01 B-I-01	SOLID	1	2.19e+00	2.190	ug/g
18	PREPBLKTJA		0		@ICP-I01 BA-I-01	SOLID	1	<5.00e-2		ug/g
18	PREPBLKTJA		0		@ICP-I01 BE-I-01	SOLID	1	<5.00e-3		ug/g
18	PREPBLKTJA		0		@ICP-I01 BI-I-01	SOLID	1	<1.00e-1		ug/g
18	PREPBLKTJA		0		@ICP-I01 CA-I-01	SOLID	1	<1.00e-1		ug/g
18	PREPBLKTJA		0		@ICP-I01 CD-I-01	SOLID	1	<5.00e-3		ug/g
18	PREPBLKTJA		0		@ICP-I01 CE-I-01	SOLID	1	<1.00e-1		ug/g
18	PREPBLKTJA		0		@ICP-I01 CO-I-01	SOLID	1	<2.00e-2		ug/g
18	PREPBLKTJA		0		@ICP-I01 CR-I-01	SOLID	1	<1.00e-2		ug/g
18	PREPBLKTJA		0		@ICP-I01 CU-I-01	SOLID	1	1.15e-02	0.011	ug/g
18	PREPBLKTJA		0		@ICP-I01 FE-I-01	SOLID	1	<5.00e-2		ug/g
18	PREPBLKTJA		0		@ICP-I01 K-I-01	SOLID	1	<5.00e-1		ug/g
18	PREPBLKTJA		0		@ICP-I01 LA-I-01	SOLID	1	<5.00e-2		ug/g
18	PREPBLKTJA		0		@ICP-I01 LI-I-01	SOLID	1	<1.00e-2		ug/g
18	PREPBLKTJA		0		@ICP-I01 MG-I-01	SOLID	1	<1.00e-1		ug/g
18	PREPBLKTJA		0		@ICP-I01 MN-I-01	SOLID	1	<1.00e-2		ug/g
18	PREPBLKTJA		0		@ICP-I01 MO-I-01	SOLID	1	<5.00e-2		ug/g
18	PREPBLKTJA		0		@ICP-I01 NA-I-01	SOLID	1	2.57e+00	2.570	ug/g
18	PREPBLKTJA		0		@ICP-I01 ND-I-01	SOLID	1	<1.00e-1		ug/g
18	PREPBLKTJA		0		@ICP-I01 NI-I-01	SOLID	1	<2.00e-2		ug/g
18	PREPBLKTJA		0		@ICP-I01 P-I-01	SOLID	1	<2.00e-1		ug/g
18	PREPBLKTJA		0		@ICP-I01 PB-I-01	SOLID	1	<1.00e-1		ug/g
18	PREPBLKTJA		0		@ICP-I01 S-I-01	SOLID	1	<1.00e-1		ug/g
18	PREPBLKTJA		0		@ICP-I01 SB-I-01	SOLID	1	<6.00e-2		ug/g
18	PREPBLKTJA		0		@ICP-I01 SE-I-01	SOLID	1	<1.00e-1		ug/g
18	PREPBLKTJA		0		@ICP-I01 SI-I-01	SOLID	1	4.92e-01	0.492	ug/g
18	PREPBLKTJA		0		@ICP-I01 SM-I-01	SOLID	1	<1.00e-1		ug/g
18	PREPBLKTJA		0		@ICP-I01 SR-I-01	SOLID	1	<1.00e-2		ug/g
18	PREPBLKTJA		0		@ICP-I01 TL-I-01	SOLID	1	<2.00e-1		ug/g
18	PREPBLKTJA		0		@ICP-I01 U-I-01	SOLID	1	<5.00e-1		ug/g
18	PREPBLKTJA		0		@ICP-I01 V-I-01	SOLID	1	<5.00e-2		ug/g
18	PREPBLKTJA		0		@ICP-I01 ZN-I-01	SOLID	1	<1.00e-2		ug/g
18	PREPBLKTJA		0		@ICP-I01 ZR-I-01	SOLID	1	<1.00e-2		ug/g
18	PREPBLKTJA		0		@ICP-I01 TI-I-01	SOLID	1	<1.00e-2		ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 AG-I-01	SOLID	N/A	1.70e+01	5.740	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 AL-I-01	SOLID	N/A	1.08e+04	28.700	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 AS-I-01	SOLID	N/A <	5.73e+01	57.300	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 B-I-01	SOLID	N/A	6.00e+02	28.700	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 BA-I-01	SOLID	N/A <	2.87e+01	28.700	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 BE-I-01	SOLID	N/A <	2.87e+00	2.870	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 BI-I-01	SOLID	N/A <	5.73e+01	57.300	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 CA-I-01	SOLID	N/A <	5.73e+01	57.300	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 CD-I-01	SOLID	N/A <	2.87e+00	2.870	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 CE-I-01	SOLID	N/A <	5.73e+01	57.300	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 CO-I-01	SOLID	N/A <	1.15e+01	11.500	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 CR-I-01	SOLID	N/A	1.49e+02	5.740	ug/g

LABCORE Completed Worklist Report for Worklist# 10022

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
19	SAMPLE	S96T003189	0	I	@ICP-I01 CU-I-01	SOLID	N/A	9.67e+00	5.740	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 FE-I-01	SOLID	N/A <	2.87e+01	28.700	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 K-I-01	SOLID	N/A	9.94e+02	287.000	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 LA-I-01	SOLID	N/A <	2.87e+01	28.700	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 LI-I-01	SOLID	N/A <	5.73e+00	5.740	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 MG-I-01	SOLID	N/A <	5.73e+01	57.300	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 MN-I-01	SOLID	N/A <	5.73e+00	5.740	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 MO-I-01	SOLID	N/A	2.88e+01	28.700	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 NA-I-01	SOLID	N/A	2.52e+05	57.300	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 ND-I-01	SOLID	N/A <	5.73e+01	57.300	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 NI-I-01	SOLID	N/A <	1.15e+01	11.500	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 P-I-01	SOLID	N/A	1.45e+03	115.000	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 PB-I-01	SOLID	N/A <	5.73e+01	57.300	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 S-I-01	SOLID	N/A	1.60e+03	57.300	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 SB-I-01	SOLID	N/A <	3.44e+01	34.400	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 SE-I-01	SOLID	N/A <	5.73e+01	57.300	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 SI-I-01	SOLID	N/A	3.85e+02	28.700	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 SM-I-01	SOLID	N/A <	5.73e+01	57.300	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 SR-I-01	SOLID	N/A <	5.73e+00	5.740	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 TI-I-01	SOLID	N/A <	5.73e+00	5.740	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 TL-I-01	SOLID	N/A <	1.15e+02	115.000	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 U-I-01	SOLID	N/A <	2.87e+02	287.000	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 V-I-01	SOLID	N/A <	2.87e+01	28.700	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 ZN-I-01	SOLID	N/A	1.36e+01	5.740	ug/g
19	SAMPLE	S96T003189	0	I	@ICP-I01 ZR-I-01	SOLID	N/A <	5.73e+00	5.740	ug/g
20	DUP	S96T003189	0	I	@ICP-I01 AG-I-01	SOLID	1.70e+01	1.68e+01	1.183	RPD
20	DUP	S96T003189	0	I	@ICP-I01 AL-I-01	SOLID	1.08e+04	1.24e+04	13.793	RPD
20	DUP	S96T003189	0	I	@ICP-I01 AS-I-01	SOLID	<5.73e1	<6.05e1		RPD
20	DUP	S96T003189	0	I	@ICP-I01 B-I-01	SOLID	6.00e+02	6.55e+02	8.765	RPD
20	DUP	S96T003189	0	I	@ICP-I01 BA-I-01	SOLID	<2.87e1	<3.03e1		RPD
20	DUP	S96T003189	0	I	@ICP-I01 BE-I-01	SOLID	<2.87e0	<3.03e0		RPD
20	DUP	S96T003189	0	I	@ICP-I01 BI-I-01	SOLID	<5.73e1	<6.05e1		RPD
20	DUP	S96T003189	0	I	@ICP-I01 CA-I-01	SOLID	<5.73e1	<6.05e1		RPD
20	DUP	S96T003189	0	I	@ICP-I01 CD-I-01	SOLID	<2.87e0	<3.03e0		RPD
20	DUP	S96T003189	0	I	@ICP-I01 CE-I-01	SOLID	<5.73e1	<6.05e1		RPD
20	DUP	S96T003189	0	I	@ICP-I01 CO-I-01	SOLID	<1.15e1	<1.21e1		RPD
20	DUP	S96T003189	0	I	@ICP-I01 CR-I-01	SOLID	1.49e+02	1.52e+02	1.993	RPD
20	DUP	S96T003189	0	I	@ICP-I01 CU-I-01	SOLID	9.67e+00	1.20e+01	21.504	RPD
20	DUP	S96T003189	0	I	@ICP-I01 FE-I-01	SOLID	<2.87e1	<3.03e1		RPD
20	DUP	S96T003189	0	I	@ICP-I01 K-I-01	SOLID	9.94e+02	1.25e+03	22.816	RPD
20	DUP	S96T003189	0	I	@ICP-I01 LA-I-01	SOLID	<2.87e1	<3.03e1		RPD
20	DUP	S96T003189	0	I	@ICP-I01 LI-I-01	SOLID	<5.73e0	<6.05e0		RPD
20	DUP	S96T003189	0	I	@ICP-I01 MG-I-01	SOLID	<5.73e1	<6.05e1		RPD
20	DUP	S96T003189	0	I	@ICP-I01 MN-I-01	SOLID	<5.73e0	<6.05e0		RPD
20	DUP	S96T003189	0	I	@ICP-I01 MO-I-01	SOLID	2.88e+01	3.33e+01	14.493	RPD
20	DUP	S96T003189	0	I	@ICP-I01 NA-I-01	SOLID	2.52e+05	2.45e+05	2.817	RPD
20	DUP	S96T003189	0	I	@ICP-I01 ND-I-01	SOLID	<5.73e1	<6.05e1		RPD
20	DUP	S96T003189	0	I	@ICP-I01 NI-I-01	SOLID	<1.15e1	<1.21e1		RPD
20	DUP	S96T003189	0	I	@ICP-I01 P-I-01	SOLID	1.45e+03	1.33e+03	8.633	RPD

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10022

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
20	DUP	S96T003189	0	I	@ICP-I01 PB-I-01	SOLID	<5.73e1	<6.05e1		RPD
20	DUP	S96T003189	0	I	@ICP-I01 S-I-01	SOLID	1.60e+03	1.53e+03	4.473	RPD
20	DUP	S96T003189	0	I	@ICP-I01 SB-I-01	SOLID	<3.44e1	<3.63e1		RPD
20	DUP	S96T003189	0	I	@ICP-I01 SE-I-01	SOLID	<5.73e1	<6.05e1		RPD
20	DUP	S96T003189	0	I	@ICP-I01 SI-I-01	SOLID	3.85e+02	4.34e+02	11.966	RPD
20	DUP	S96T003189	0	I	@ICP-I01 SM-I-01	SOLID	<5.73e1	<6.05e1		RPD
20	DUP	S96T003189	0	I	@ICP-I01 SR-I-01	SOLID	<5.73e0	<6.05e0		RPD
20	DUP	S96T003189	0	I	@ICP-I01 TL-I-01	SOLID	<1.15e2	<1.21e2		RPD
20	DUP	S96T003189	0	I	@ICP-I01 U-I-01	SOLID	<2.87e2	<3.03e2		RPD
20	DUP	S96T003189	0	I	@ICP-I01 V-I-01	SOLID	<2.87e1	<3.03e1		RPD
20	DUP	S96T003189	0	I	@ICP-I01 ZN-I-01	SOLID	1.36e+01	1.29e+01	5.283	RPD
20	DUP	S96T003189	0	I	@ICP-I01 ZR-I-01	SOLID	<5.73e0	<6.05e0		RPD
20	DUP	S96T003189	0	I	@ICP-I01 TI-I-01	SOLID	<5.73e0	<6.05e0		RPD
21	SPK	S96T003189	0	I	@ICP-I01 AG-I-01	SOLID	1	0.914	91.400	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 AL-I-01	SOLID	1	0.972	97.200	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 AS-I-01	SOLID	1	1.012	101.200	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 B-I-01	SOLID	1	0.998	99.800	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 BA-I-01	SOLID	1	0.984	98.400	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 BE-I-01	SOLID	1	1.028	102.800	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 BI-I-01	SOLID	1	0.996	99.600	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 CA-I-01	SOLID	1	1.076	107.600	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 CD-I-01	SOLID	1	0.980	98.000	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 CE-I-01	SOLID	1	1.020	102.000	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 CO-I-01	SOLID	1	0.984	98.400	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 CR-I-01	SOLID	1	0.992	99.200	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 CU-I-01	SOLID	1	1.047	104.700	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 FE-I-01	SOLID	1	1.000	100.000	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 K-I-01	SOLID	1	0.814	81.400	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 LA-I-01	SOLID	1	1.004	100.400	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 LI-I-01	SOLID	1	1.036	103.600	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 MG-I-01	SOLID	1	0.984	98.400	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 MN-I-01	SOLID	1	0.944	94.400	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 MO-I-01	SOLID	1	0.994	99.400	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 NA-I-01	SOLID	1	<1.00e-1		% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 ND-I-01	SOLID	1	1.016	101.600	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 NI-I-01	SOLID	1	0.984	98.400	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 P-I-01	SOLID	1	1.073	107.300	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 PB-I-01	SOLID	1	0.980	98.000	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 S-I-01	SOLID	1	1.028	102.800	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 SB-I-01	SOLID	1	0.964	96.400	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 SE-I-01	SOLID	1	1.048	104.800	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 SI-I-01	SOLID	1	1.325	132.500	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 SM-I-01	SOLID	1	0.964	96.400	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 SR-I-01	SOLID	1	0.988	98.800	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 TL-I-01	SOLID	1	0.944	94.400	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 U-I-01	SOLID	2	1.920	96.000	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 V-I-01	SOLID	1	0.988	98.800	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 ZN-I-01	SOLID	1	1.008	100.800	% Recovery
21	SPK	S96T003189	0	I	@ICP-I01 ZR-I-01	SOLID	1	0.972	97.200	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10022

Seq	Type	Sample#	R	A		Test	Matrix	Actual	Found	DL or Yield	Unit
21	SPK	S96T003189	0	I	@ICP-I01	TI-I-01	SOLID	1	0.976	97.600	% Recovery
22	ICSA		0		@ICP-QC	AG	QC	1	<1.00e-2		ug/g
22	ICSA		0		@ICP-QC	AL	QC	250	2.42e+02	96.800	% Recovery
22	ICSA		0		@ICP-QC	AS	QC	1.0	<1.00e-1		ug/g
22	ICSA		0		@ICP-QC	B	QC	1	<5.00e-2		ug/g
22	ICSA		0		@ICP-QC	BA	QC	1	<5.00e-2		ug/g
22	ICSA		0		@ICP-QC	BE	QC	1	<5.00e-3		ug/g
22	ICSA		0		@ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
22	ICSA		0		@ICP-QC	CA	QC	250	2.48e+02	99.200	% Recovery
22	ICSA		0		@ICP-QC	CD	QC	1	<5.00e-3		ug/g
22	ICSA		0		@ICP-QC	CE	QC	1	<1.00e-1		ug/g
22	ICSA		0		@ICP-QC	CO	QC	1	<2.00e-2		ug/g
22	ICSA		0		@ICP-QC	CR	QC	1	1.12e-02	0.011	ug/g
22	ICSA		0		@ICP-QC	CU	QC	1	<1.00e-2		ug/g
22	ICSA		0		@ICP-QC	FE	QC	100	9.38e+01	93.800	% Recovery
22	ICSA		0		@ICP-QC	K	QC	1	<5.00e-1		ug/g
22	ICSA		0		@ICP-QC	LA	QC	1.0	<5.00e-2		ug/g
22	ICSA		0		@ICP-QC	LI	QC	1	<1.00e-2		ug/g
22	ICSA		0		@ICP-QC	MG	QC	250	2.51e+02	100.400	% Recovery
22	ICSA		0		@ICP-QC	MN	QC	1.0	<1.00e-2		ug/g
22	ICSA		0		@ICP-QC	MO	QC	1	<5.00e-2		ug/g
22	ICSA		0		@ICP-QC	NA	QC	200	1.97e+02	98.500	% Recovery
22	ICSA		0		@ICP-QC	ND	QC	1	<1.00e-1		ug/g
22	ICSA		0		@ICP-QC	NI	QC	1	<2.00e-2		ug/g
22	ICSA		0		@ICP-QC	P	QC	1.0	<2.00e-1		ug/g
22	ICSA		0		@ICP-QC	PB	QC	1	<1.00e-1		ug/g
22	ICSA		0		@ICP-QC	S	QC	1.0	<1.00e-1		ug/g
22	ICSA		0		@ICP-QC	SB	QC	1	<6.00e-2		ug/g
22	ICSA		0		@ICP-QC	SE	QC	1	<1.00e-1		ug/g
22	ICSA		0		@ICP-QC	SI	QC	1	<5.00e-2		ug/g
22	ICSA		0		@ICP-QC	SM	QC	1	<1.00e-1		ug/g
22	ICSA		0		@ICP-QC	SR	QC	1	<1.00e-2		ug/g
22	ICSA		0		@ICP-QC	TI	QC	1	<1.00e-2		ug/g
22	ICSA		0		@ICP-QC	TL	QC	1.0	<2.00e-1		ug/g
22	ICSA		0		@ICP-QC	U	QC	1	<5.00e-1		ug/g
22	ICSA		0		@ICP-QC	V	QC	1	<5.00e-2		ug/g
22	ICSA		0		@ICP-QC	ZN	QC	1.0	<1.00e-2		ug/g
22	ICSA		0		@ICP-QC	ZR	QC	1	<1.00e-2		ug/g
23	ICSAB		0		@ICP-QC	AG	QC	1.0	9.78e-01	97.800	% Recovery
23	ICSAB		0		@ICP-QC	AL	QC	250	2.42e+02	96.800	% Recovery
23	ICSAB		0		@ICP-QC	AS	QC	1.0	<1.00e-1		ug/g
23	ICSAB		0		@ICP-QC	B	QC	1.0	<5.00e-2		ug/g
23	ICSAB		0		@ICP-QC	BA	QC	0.5	4.81e-01	96.200	% Recovery
23	ICSAB		0		@ICP-QC	BE	QC	0.5	4.90e-01	98.000	% Recovery
23	ICSAB		0		@ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
23	ICSAB		0		@ICP-QC	CA	QC	250	2.50e+02	100.000	% Recovery
23	ICSAB		0		@ICP-QC	CD	QC	1.0	9.50e-01	95.000	% Recovery
23	ICSAB		0		@ICP-QC	CE	QC	1.0	<1.00e-1		ug/g
23	ICSAB		0		@ICP-QC	CO	QC	0.5	4.69e-01	93.800	% Recovery

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LABCORE Completed Worklist Report for Worklist# 10022

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
23	ICSAB		0	@ICP-QC	CR	QC	0.5	4.89e-01	97.800	% Recovery
23	ICSAB		0	@ICP-QC	CU	QC	0.5	4.94e-01	98.800	% Recovery
23	ICSAB		0	@ICP-QC	FE	QC	100	9.39e+01	93.900	% Recovery
23	ICSAB		0	@ICP-QC	K	QC	1.0	<5.00e-1		ug/g
23	ICSAB		0	@ICP-QC	LA	QC	1.0	<5.00e-2		ug/g
23	ICSAB		0	@ICP-QC	LI	QC	1.0	9.90e-01	99.000	% Recovery
23	ICSAB		0	@ICP-QC	MG	QC	250	2.51e+02	100.400	% Recovery
23	ICSAB		0	@ICP-QC	MN	QC	0.5	4.50e-01	90.000	% Recovery
23	ICSAB		0	@ICP-QC	MO	QC	1.0	<5.00e-2		ug/g
23	ICSAB		0	@ICP-QC	NA	QC	200	1.95e+02	97.500	% Recovery
23	ICSAB		0	@ICP-QC	ND	QC	1.0	<1.00e-1		ug/g
23	ICSAB		0	@ICP-QC	NI	QC	1.0	9.19e-01	91.900	% Recovery
23	ICSAB		0	@ICP-QC	P	QC	1.0	<2.00e-1		ug/g
23	ICSAB		0	@ICP-QC	PB	QC	1.0	1.01e+00	101.000	% Recovery
23	ICSAB		0	@ICP-QC	S	QC	1.0	<1.00e-1		ug/g
23	ICSAB		0	@ICP-QC	SB	QC	1.0	<6.00e-2		ug/g
23	ICSAB		0	@ICP-QC	SE	QC	1.0	<1.00e-1		ug/g
23	ICSAB		0	@ICP-QC	SI	QC	1.0	<5.00e-2		ug/g
23	ICSAB		0	@ICP-QC	SM	QC	1.0	<1.00e-1		ug/g
23	ICSAB		0	@ICP-QC	SR	QC	1.0	<1.00e-2		ug/g
23	ICSAB		0	@ICP-QC	TI	QC	1.0	<1.00e-2		ug/g
23	ICSAB		0	@ICP-QC	TL	QC	1.0	<2.00e-1		ug/g
23	ICSAB		0	@ICP-QC	U	QC	1.0	<5.00e-1		ug/g
23	ICSAB		0	@ICP-QC	V	QC	0.5	4.73e-01	94.600	% Recovery
23	ICSAB		0	@ICP-QC	ZN	QC	1.0	9.78e-01	97.800	% Recovery
23	ICSAB		0	@ICP-QC	ZR	QC	1.0	<1.00e-2		ug/g
24	CCV		0	@ICP-QC	AG	QC	5.0	4.90e+00	98.000	% Recovery
24	CCV		0	@ICP-QC	AL	QC	5.0	4.85e+00	97.000	% Recovery
24	CCV		0	@ICP-QC	AS	QC	5.0	5.13e+00	102.600	% Recovery
24	CCV		0	@ICP-QC	B	QC	5.0	4.99e+00	99.800	% Recovery
24	CCV		0	@ICP-QC	BA	QC	5.0	4.90e+00	98.000	% Recovery
24	CCV		0	@ICP-QC	BE	QC	5.0	5.16e+00	103.200	% Recovery
24	CCV		0	@ICP-QC	BI	QC	5.0	4.98e+00	99.600	% Recovery
24	CCV		0	@ICP-QC	CA	QC	5.0	5.06e+00	101.200	% Recovery
24	CCV		0	@ICP-QC	CD	QC	5.0	4.94e+00	98.800	% Recovery
24	CCV		0	@ICP-QC	CE	QC	5.0	5.04e+00	100.800	% Recovery
24	CCV		0	@ICP-QC	CO	QC	5.0	4.97e+00	99.400	% Recovery
24	CCV		0	@ICP-QC	CR	QC	5.0	5.01e+00	100.200	% Recovery
24	CCV		0	@ICP-QC	CU	QC	5.0	5.15e+00	103.000	% Recovery
24	CCV		0	@ICP-QC	FE	QC	5.0	5.01e+00	100.200	% Recovery
24	CCV		0	@ICP-QC	K	QC	5.0	4.67e+00	93.400	% Recovery
24	CCV		0	@ICP-QC	LA	QC	5.0	4.95e+00	99.000	% Recovery
24	CCV		0	@ICP-QC	LI	QC	5.0	5.02e+00	100.400	% Recovery
24	CCV		0	@ICP-QC	MG	QC	5.0	4.86e+00	97.200	% Recovery
24	CCV		0	@ICP-QC	MN	QC	5.0	4.86e+00	97.200	% Recovery
24	CCV		0	@ICP-QC	MO	QC	5.0	4.98e+00	99.600	% Recovery
24	CCV		0	@ICP-QC	NA	QC	5.0	4.93e+00	98.600	% Recovery
24	CCV		0	@ICP-QC	ND	QC	5.0	5.00e+00	100.000	% Recovery
24	CCV		0	@ICP-QC	NI	QC	5.0	4.93e+00	98.600	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10022

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
24	CCV		0	@ICP-QC	P	QC	5.0	5.04e+00	100.800	% Recovery
24	CCV		0	@ICP-QC	PB	QC	5.0	4.92e+00	98.400	% Recovery
24	CCV		0	@ICP-QC	S	QC	5.0	4.91e+00	98.200	% Recovery
24	CCV		0	@ICP-QC	SB	QC	5.0	4.77e+00	95.400	% Recovery
24	CCV		0	@ICP-QC	SE	QC	5.0	4.93e+00	98.600	% Recovery
24	CCV		0	@ICP-QC	SI	QC	5.0	4.81e+00	96.200	% Recovery
24	CCV		0	@ICP-QC	SM	QC	5.0	4.85e+00	97.000	% Recovery
24	CCV		0	@ICP-QC	SR	QC	5.0	4.89e+00	97.800	% Recovery
24	CCV		0	@ICP-QC	TI	QC	5.0	4.84e+00	96.800	% Recovery
24	CCV		0	@ICP-QC	TL	QC	5.0	4.76e+00	95.200	% Recovery
24	CCV		0	@ICP-QC	U	QC	10.	9.67e+00	96.700	% Recovery
24	CCV		0	@ICP-QC	V	QC	5.0	4.97e+00	99.400	% Recovery
24	CCV		0	@ICP-QC	ZN	QC	5.0	5.03e+00	100.600	% Recovery
24	CCV		0	@ICP-QC	ZR	QC	5.0	4.86e+00	97.200	% Recovery
25	CCB		0	@ICP-QC	AG	QC	1	<1.00e-2		ug/g
25	CCB		0	@ICP-QC	AL	QC	1	<5.00e-2		ug/g
25	CCB		0	@ICP-QC	AS	QC	1	<1.00e-1		ug/g
25	CCB		0	@ICP-QC	B	QC	1	<5.00e-2		ug/g
25	CCB		0	@ICP-QC	BA	QC	1	<5.00e-2		ug/g
25	CCB		0	@ICP-QC	BE	QC	1	<5.00e-3		ug/g
25	CCB		0	@ICP-QC	BI	QC	1	<1.00e-1		ug/g
25	CCB		0	@ICP-QC	CA	QC	1	<1.00e-1		ug/g
25	CCB		0	@ICP-QC	CD	QC	1	<5.00e-3		ug/g
25	CCB		0	@ICP-QC	CE	QC	1	<1.00e-1		ug/g
25	CCB		0	@ICP-QC	CO	QC	1	<2.00e-2		ug/g
25	CCB		0	@ICP-QC	CR	QC	1	<1.00e-2		ug/g
25	CCB		0	@ICP-QC	CU	QC	1	<1.00e-2		ug/g
25	CCB		0	@ICP-QC	FE	QC	1	<5.00e-2		ug/g
25	CCB		0	@ICP-QC	K	QC	1	<5.00e-1		ug/g
25	CCB		0	@ICP-QC	LA	QC	1	<5.00e-2		ug/g
25	CCB		0	@ICP-QC	LI	QC	1	<1.00e-2		ug/g
25	CCB		0	@ICP-QC	MG	QC	1	<1.00e-1		ug/g
25	CCB		0	@ICP-QC	MN	QC	1	<1.00e-2		ug/g
25	CCB		0	@ICP-QC	MO	QC	1	<5.00e-2		ug/g
25	CCB		0	@ICP-QC	NA	QC	1	<1.00e-1		ug/g
25	CCB		0	@ICP-QC	ND	QC	1	<1.00e-1		ug/g
25	CCB		0	@ICP-QC	NI	QC	1	<2.00e-2		ug/g
25	CCB		0	@ICP-QC	P	QC	1	<2.00e-1		ug/g
25	CCB		0	@ICP-QC	PB	QC	1	<1.00e-1		ug/g
25	CCB		0	@ICP-QC	S	QC	1	<1.00e-1		ug/g
25	CCB		0	@ICP-QC	SB	QC	1	<6.00e-2		ug/g
25	CCB		0	@ICP-QC	SE	QC	1	<1.00e-1		ug/g
25	CCB		0	@ICP-QC	SI	QC	1	<5.00e-2		ug/g
25	CCB		0	@ICP-QC	SM	QC	1	<1.00e-1		ug/g
25	CCB		0	@ICP-QC	SR	QC	1	<1.00e-2		ug/g
25	CCB		0	@ICP-QC	TI	QC	1	<1.00e-2		ug/g
25	CCB		0	@ICP-QC	TL	QC	1	<2.00e-1		ug/g
25	CCB		0	@ICP-QC	U	QC	1	<5.00e-1		ug/g
25	CCB		0	@ICP-QC	V	QC	1	<5.00e-2		ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10022

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
25	CCB		0	@ICP-QC	ZN	QC	1	<1.00e-2		ug/g
25	CCB		0	@ICP-QC	ZR	QC	1	<1.00e-2		ug/g

Final page for worklist# 10022

Analyst Signature Date

Analyst Signature Date

Reviewer Signature Date

Units shown for QC (BLK/BKG) may not reflect the actual units.

Analysis Report Summary Wed 06-19-96 01:40:36 PM page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	ICV	960619B	ICP2	06/19/96	10:16	BJG	Q	CONC
2	ICB	960619B	ICP2	06/19/96	10:19	BJG	Q	CONC
3	LLS	960619B	ICP2	06/19/96	10:23	BJG	Q	CONC
4	ICSA	960619B	ICP2	06/19/96	10:28	BJG	Q	CONC
5	ICSAB	960619B	ICP2	06/19/96	10:32	BJG	Q	CONC
6	PREPBLKTJA	960619B	ICP2	06/19/96	10:35	BJG	S	CONC
7	S96T003184_L	960619B	ICP2	06/19/96	10:43	BJG	S	CONC
8	S96T003184	960619B	ICP2	06/19/96	10:45	BJG	S	CONC
9	S96T003184_D	960619B	ICP2	06/19/96	10:49	BJG	S	CONC
10	S96T003184_A	960619B	ICP2	06/19/96	10:52	BJG	S	CONC
11	CCV	960619B	ICP2	06/19/96	10:57	BJG	Q	CONC
12	CCB	960619B	ICP2	06/19/96	11:00	BJG	Q	CONC
13	PREPBLKTJA	960619B	ICP2	06/19/96	11:03	BJG	S	CONC
14	S96T003188_L	960619B	ICP2	06/19/96	11:07	BJG	S	CONC
15	S96T003188	960619B	ICP2	06/19/96	11:10	BJG	S	CONC
16	S96T003188_D	960619B	ICP2	06/19/96	11:13	BJG	S	CONC
17	S96T003188_A	960619B	ICP2	06/19/96	11:16	BJG	S	CONC
18	CCV	960619B	ICP2	06/19/96	13:04	BJG	Q	CONC
19	CCB	960619B	ICP2	06/19/96	13:08	BJG	Q	CONC
20	PREPBLKTJA	960619B	ICP2	06/19/96	13:11	BJG	S	CONC
21	S96T003189_L	960619B	ICP2	06/19/96	13:15	BJG	S	CONC
22	S96T003189	960619B	ICP2	06/19/96	13:19	BJG	S	CONC
23	S96T003189_D	960619B	ICP2	06/19/96	13:22	BJG	S	CONC
24	S96T003189_A	960619B	ICP2	06/19/96	13:25	BJG	S	CONC
25	ICSA	960619B	ICP2	06/19/96	13:28	BJG	Q	CONC
26	ICSAB	960619B	ICP2	06/19/96	13:31	BJG	Q	CONC
27	CCV	960619B	ICP2	06/19/96	13:34	BJG	Q	CONC
28	CCB	960619B	ICP2	06/19/96	13:37	BJG	Q	CONC

6-19-96
S-102 H_2O DIGEST
S96T003184, 3188, 3189
4-C-6-C
FILE # 0960619B.TXT

SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 1256 TO 1261.

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#	Sample Name	Ag	Al	As	B	Ba	Be
1	ICV	4.989	4.915	5.176	5.049	5.027	5.171
2	ICB	-.0001	-.0017	-.0139	.0057	.0001	.0001
3	LLS	.0202	.0941	.1873	.1028	.0989	.0104
4	ICSA	.0007	242.9	-.0769	.0005	.0019	.0000
5	ICSAB	.9902	244.7	-.0600	.0011	.4940	.4888
6	PREPBLKTJA	-.0003	.1374	-.0051	2.165	.0037	.0001
7	S96T003184_L	.0757	64.45	-.3115	1.361	.0016	-.0009
8	S96T003184	.0937	65.33	-.1898	1.383	.0026	.0002
9	S96T003184_D	.0817	49.94	-.1655	1.688	.0032	.0004
10	S96T003184_A	2.438	25.31	2.501	3.857	2.507	2.594
11	CCV	5.024	4.999	5.283	5.170	5.105	5.290
12	CCB	.0035	.0072	-.0154	.0056	.0001	.0002
13	PREPBLKTJA	.0000	.1392	-.0104	2.267	.0036	.0002
14	S96T003188_L	.0815	24.55	-.1870	1.632	.0009	.0023
15	S96T003188	.0905	24.37	-.0988	1.587	.0028	.0006
16	S96T003188_D	.0871	50.14	-.1366	1.161	.0029	.0005
17	S96T003188_A	2.417	51.38	2.546	4.042	2.465	2.561
18	CCV	4.897	4.895	5.119	5.032	4.920	5.167
19	CCB	-.0016	.0042	-.0214	.0017	-.0002	.0003
20	PREPBLKTJA	-.0012	.1420	-.0164	2.188	.0040	.0002
21	S96T003189_L	.0634	47.52	-.3277	2.623	.0030	.0019
22	S96T003189	.0743	47.27	-.1395	2.614	.0040	.0007
23	S96T003189_D	.0695	51.10	-.1082	2.705	.0041	.0007
24	S96T003189_A	2.363	49.71	2.528	5.115	2.458	2.568
25	ICSA	.0052	241.6	-.0946	.0073	.0019	.0004
26	ICSAB	.9781	242.2	-.1019	-.0023	.4806	.4899
27	CCV	4.898	4.850	5.128	4.994	4.896	5.159
28	CCB	.0004	.0083	-.0084	.0070	.0001	.0003

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
1	ICV	5.084	5.076	5.020	5.160	5.050	5.082
2	ICB	.0048	-.0011	.0001	-.0011	.0006	.0000
3	LLS	.2211	.2065	.0112	.2020	.0423	.0220
4	ICSA	-.0255	252.9	-.0009	.0161	.0009	.0083
5	ICSAB	-.0083	255.4	.9645	.0055	.4761	.4946
6	PREPBLKTJA	-.0048	.0407	-.0000	-.0030	-.0004	.0019
7	S96T003184_L	.1346	.3336	.0011	-.0814	-.0000	1.928
8	S96T003184	-.0276	.3569	.0033	-.0029	-.0003	1.921
9	S96T003184_D	-.0195	.4057	.0025	-.0026	.0095	1.806
10	S96T003184_A	2.603	2.781	2.484	2.573	2.496	4.412
11	CCV	5.085	5.095	5.027	5.238	5.068	5.103
12	CCB	.0140	-.0037	-.0009	-.0005	.0006	-.0001
13	PREPBLKTJA	.0230	.0386	.0005	-.0104	.0011	.0009
14	S96T003188_L	.0214	.2618	-.0078	-.0922	.0054	1.332
15	S96T003188	-.0433	.2641	.0006	-.0009	.0028	1.334
16	S96T003188_D	.0677	.2598	-.0001	-.0219	.0039	1.299
17	S96T003188_A	2.521	2.846	2.489	2.572	2.509	3.875
18	CCV	5.009	4.948	4.891	5.080	4.939	4.975
19	CCB	-.0224	-.0070	-.0009	-.0170	-.0005	.0007
20	PREPBLKTJA	.0142	.0373	.0000	-.0076	.0018	.0015
21	S96T003189_L	.0425	.2723	.0009	-.2031	-.0059	.6665

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#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
22	S96T003189	-.0481	.2160	-.0005	-.0184	.0019	.6509
23	S96T003189_D	.0011	.1627	.0005	-.0212	.0058	.6259
24	S96T003189_A	2.490	2.693	2.450	2.546	2.464	3.133
25	ICSA	-.0128	248.2	-.0006	.0131	.0025	.0112
26	ICSAB	-.0006	250.1	.9495	.0178	.4695	.4892
27	CCV	4.983	5.059	4.938	5.044	4.971	5.012
28	CCB	-.0009	-.0034	.0003	-.0070	.0021	.0008

#	Sample Name	Cu	Eu	Fe	K	La	Li
1	ICV	5.223	-.0022	5.069	4.907	5.060	5.086
2	ICB	.0002	.0002	.0000	-.0038	-.0003	.0007
3	LLS	.0213	.0013	.1035	.5178	.1013	.0218
4	ICSA	-.0100	-.0370	94.27	-.0865	-.0051	.0029
5	ICSAB	.4964	-.0369	94.83	-.0749	-.0065	.9969
6	PREPBLKTJA	.0117	.0012	.0075	-.1537	-.0005	.0022
7	S96T003184_L	.0218	-.0036	-.0009	7.880	-.0069	.0206
8	S96T003184	.0218	-.0034	.0123	8.478	.0011	.0171
9	S96T003184_D	.0076	-.0022	.0092	7.308	.0009	.0174
10	S96T003184_A	2.662	-.0056	2.527	9.981	2.552	2.639
11	CCV	5.362	-.0039	5.126	5.091	5.131	5.274
12	CCB	-.0002	-.0014	.0008	-.1424	-.0006	-.0013
13	PREPBLKTJA	.0088	-.0008	.0068	-.0403	-.0014	.0000
14	S96T003188_L	.0364	-.0123	-.0136	6.238	-.0028	.0030
15	S96T003188	.0192	-.0005	.0100	6.474	-.0008	.0121
16	S96T003188_D	.0181	-.0012	.0044	7.303	-.0025	.0150
17	S96T003188_A	2.599	-.0012	2.529	9.503	2.517	2.551
18	CCV	5.205	-.0036	4.998	4.863	4.988	5.123
19	CCB	.0000	-.0012	-.0006	-.1614	-.0015	-.0005
20	PREPBLKTJA	.0115	-.0001	.0064	-.1676	-.0008	.0018
21	S96T003189_L	.0510	-.0208	.0018	2.339	-.0151	-.0073
22	S96T003189	.0422	-.0038	.0128	4.334	-.0033	.0041
23	S96T003189_D	.0495	-.0029	.0145	5.181	-.0014	.0050
24	S96T003189_A	2.661	-.0054	2.501	6.370	2.513	2.587
25	ICSA	-.0093	-.0351	93.77	-.1197	-.0046	.0027
26	ICSAB	.4943	-.0343	93.88	-.0355	-.0046	.9899
27	CCV	5.146	-.0022	5.008	4.666	4.951	5.023
28	CCB	.0002	-.0011	.0004	-.1235	-.0010	-.0007

#	Sample Name	Mg	Mn	Mo	Na	Nd	Ni
1	ICV	4.905	4.934	5.055	5.043	5.128	5.022
2	ICB	-.0051	.0003	.0006	.0052	.0031	.0001
3	LLS	.1948	.0199	.0953	.2175	.1981	.0500
4	ICSA	250.6	-.0065	-.0111	197.9	.0021	-.0004
5	ICSAB	252.2	.4584	-.0093	197.3	.0030	.9423
6	PREPBLKTJA	.0107	.0006	-.0003	2.536	.0020	.0042
7	S96T003184_L	-.0558	-.0009	.2607	1283.	.0164	.1074
8	S96T003184	-.0177	-.0011	.2520	1289.	-.0023	.0344
9	S96T003184_D	.0220	-.0002	.2525	1144.	.0048	.0349
10	S96T003184_A	2.379	2.394	2.784	1289.	2.577	2.516
11	CCV	4.990	4.959	5.075	5.119	5.204	5.048

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#	Sample Name	Mg	Mn	Mo	Na	Nd	Ni
12	CCB	-.0024	-.0002	.0031	-.0096	.0016	-.0006
13	PREPBLKTJA	.0087	.0003	-.0009	2.667	-.0000	.0073
14	S96T003188_L	-.0790	-.0039	.1545	1319.	-.0067	.0028
15	S96T003188	-.0057	.0002	.1858	1285.	-.0018	.0241
16	S96T003188_D	-.0043	.0002	.1580	1265.	.0050	.0023
17	S96T003188_A	2.419	2.396	2.730	1274.	2.537	2.485
18	CCV	4.882	4.814	4.952	5.005	5.056	4.904
19	CCB	-.0080	-.0002	.0022	-.0091	-.0003	.0024
20	PREPBLKTJA	.0126	.0004	-.0016	2.574	.0039	-.0019
21	S96T003189_L	-.0605	-.0058	.0975	1113.	.0143	.0118
22	S96T003189	-.0063	-.0003	.1257	1100.	-.0009	.0056
23	S96T003189_D	-.0001	-.0002	.1375	1012.	.0030	.0172
24	S96T003189_A	2.463	2.356	2.611	1104.	2.544	2.463
25	ICSA	250.9	-.0066	-.0053	197.2	.0070	-.0008
26	ICSAB	251.5	.4498	-.0084	195.3	.0078	.9193
27	CCV	4.855	4.863	4.977	4.925	5.004	4.932
28	CCB	-.0004	-.0000	.0052	-.0065	-.0001	.0001

#	Sample Name	P	Pb	S	Sb	Se	Si
1	ICV	5.077	4.993	4.950	4.824	4.915	4.850
2	ICB	.0158	-.0104	-.0105	.0081	.0205	.0123
3	LLS	.4208	.1942	.1984	.1019	.2003	.1306
4	ICSA	.0175	.0197	-.0205	.0088	-.0616	.0098
5	ICSAB	.0363	1.013	-.0272	.0089	-.0439	.0052
6	PREPBLKTJA	.0068	-.0198	.0079	.0129	.0134	.4922
7	S96T003184_L	15.43	-.0389	20.88	-.0551	.3685	1.653
8	S96T003184	15.95	.0254	20.98	.0122	.1306	1.629
9	S96T003184_D	17.64	.0596	18.35	.0215	.1804	1.400
10	S96T003184_A	8.251	2.475	23.45	2.426	2.794	3.595
11	CCV	5.168	4.991	5.029	4.880	5.002	4.904
12	CCB	.0028	-.0205	-.0134	.0093	.0039	.0076
13	PREPBLKTJA	.0007	-.0049	.0020	.0054	.0084	.4352
14	S96T003188_L	7.984	-.1232	12.89	.1071	.2983	1.787
15	S96T003188	7.727	.0254	12.89	.0280	.0931	1.796
16	S96T003188_D	11.32	.0558	12.26	.0029	.1175	1.608
17	S96T003188_A	18.28	2.521	15.39	2.419	2.732	4.511
18	CCV	4.950	4.856	4.877	4.742	4.868	4.755
19	CCB	.0116	-.0232	-.0012	-.0073	.0362	.0001
20	PREPBLKTJA	.0178	.0039	-.0034	.0062	.0399	.4916
21	S96T003189_L	6.420	-.1068	7.069	.0362	.5067	1.613
22	S96T003189	6.317	-.0010	6.971	.0094	.1084	1.678
23	S96T003189_D	5.480	.0310	6.337	.0077	.1507	1.793
24	S96T003189_A	9.000	2.454	9.542	2.414	2.625	4.991
25	ICSA	.0205	.0347	-.0292	.0198	-.0351	.0390
26	ICSAB	.0320	1.015	-.0139	-.0097	-.0225	.0126
27	CCV	5.039	4.920	4.914	4.767	4.934	4.811
28	CCB	.0046	-.0087	-.0050	.0072	.0550	.0249

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#	Sample Name	Sm	Sr	Th	Ti	Tl	U
1	ICV	4.948	4.983	-.0167	4.935	4.857	9.849
2	ICB	.0079	.0001	-.0029	.0007	.0350	.0292
3	LLS	.2167	.0203	-.0078	.0203	.4531	.5685
4	ICSA	.0070	.0016	-.0026	.0016	.0023	.0812
5	ICSAB	.0022	.0016	.0032	.0012	.0177	.0723
6	PREPBLKTJA	.0154	.0008	-.0041	.0019	.0018	.0621
7	S96T003184_L	-.0305	.0006	-.0782	-.0005	.1003	.3292
8	S96T003184_	-.0495	.0004	-.0058	-.0002	.0446	.1724
9	S96T003184_D	-.0234	.0019	-.0261	.0003	.0498	.3703
10	S96T003184_A	2.467	2.512	-.0286	2.485	2.392	5.189
11	CCV	5.029	5.069	-.0069	4.976	4.886	10.01
12	CCB	-.0163	-.0001	-.0014	-.0002	.0059	-.0607
13	PREPBLKTJA	-.0057	.0005	-.0046	.0021	.0011	-.0168
14	S96T003188_L	-.1499	-.0013	.0367	-.0058	-.0038	-.4117
15	S96T003188_	-.0065	.0008	-.0017	-.0013	.0291	.1516
16	S96T003188_D	-.0020	.0009	-.0221	.0010	.0400	.2114
17	S96T003188_A	2.442	2.466	-.0009	2.442	2.405	5.073
18	CCV	4.886	4.939	-.0058	4.875	4.717	9.740
19	CCB	-.0135	-.0002	-.0041	-.0005	.0330	-.0538
20	PREPBLKTJA	.0044	.0007	-.0012	.0016	.0193	.0149
21	S96T003189_L	-.2365	-.0013	-.0068	-.0059	.4169	-.6988
22	S96T003189_	-.0327	.0005	-.0029	-.0006	.0504	-.0837
23	S96T003189_D	-.0239	.0003	.0038	.0000	.0493	-.0337
24	S96T003189_A	2.406	2.472	.0060	2.442	2.365	4.795
25	ICSA	-.0004	.0015	.0080	.0012	-.0253	.0496
26	ICSAB	-.0029	.0016	.0095	.0019	.0210	.0463
27	CCV	4.846	4.889	-.0043	4.837	4.761	9.668
28	CCB	-.0132	-.0001	.0016	.0000	.0099	-.0356

#	Sample Name	V	Y	Zn	Zr
1	ICV	5.037	.0061	5.083	4.967
2	ICB	.0008	.0003	.0001	.0012
3	LLS	.1055	.0013	.0210	.0237
4	ICSA	.0008	.0073	.0000	-.0020
5	ICSAB	.4777	.0070	.9891	-.0030
6	PREPBLKTJA	.0024	.0008	.0065	.0020
7	S96T003184_L	-.0008	-.0031	.0650	.0011
8	S96T003184_	-.0055	-.0020	.0612	-.0059
9	S96T003184_D	-.0009	-.0009	.0512	-.0012
10	S96T003184_A	2.511	.0011	2.605	2.483
11	CCV	5.085	.0055	5.104	5.011
12	CCB	-.0031	-.0008	-.0008	-.0022
13	PREPBLKTJA	-.0016	-.0003	.0066	-.0007
14	S96T003188_L	-.0305	-.0077	.0712	-.0196
15	S96T003188_	.0043	-.0007	.0608	-.0010
16	S96T003188_D	.0026	-.0001	.0588	.0013
17	S96T003188_A	2.506	.0031	2.621	2.458
18	CCV	4.954	.0057	4.984	4.866
19	CCB	-.0027	-.0007	-.0006	-.0017
20	PREPBLKTJA	.0005	.0001	.0063	.0008
21	S96T003189_L	-.0409	-.0085	.0664	-.0288

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#	Sample Name	V	Y	Zn	Zr
22	S96T003189	-.0071	-.0017	.0591	-.0041
23	S96T003189_D	-.0050	-.0008	.0533	-.0029
24	S96T003189_A	2.474	.0009	2.585	2.434
25	ICSA	-.0013	.0067	.0007	-.0044
26	ICSAB	.4731	.0067	.9783	-.0043
27	CCV	4.972	.0062	5.028	4.857
28	CCB	-.0019	-.0005	.0005	-.0014

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LABCORE Data Entry Template for Worklist# 10023

Analyst: B. Goecke **Instrument:** ~~ICP01~~ Icp02 B/G 6-18-96 **Book#** 56B4MB

Method: LA-505-~~151~~ 161 Rev/Mod B-1 6-18-96

Worklist Comment: ICP S-102 (SOLID WATER DIGEST)

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	ICV				@ICP-QC	QC		
2	ICB				@ICP-QC	QC		
3	LLS				@ICP-QC	QC		
4	ICSA				@ICP-QC	QC		
5	ICSAB				@ICP-QC	QC		
6	PREPBLKTJA				@ICP-I01	SOLID		
7	SERDIL	S96T003190	0	I	@ICP-I01	SOLID		
8	SAMPLE	S96T003190	0	I	@ICP-I01	SOLID	96000030	S102

Analytes Requested: AG-I-01 , AL-I-01 , AS-I-01 , B-I-01 , BA-I-01 , BE-I-01 , BI-I-01 , CA-I-01 , CD-I-01 , CE-I-01 , CO-I-01 , CR-I-01 , CU-I-01 , FE-I-01 , K-I-01 , LA-I-01 , LI-I-01 , MG-I-01 , MN-I-01 , MO-I-01 , NA-I-01 , ND-I-01 , NI-I-01 , P-I-01 , PB-I-01 , S-I-01 , SB-I-01 , SE-I-01 , SI-I-01 , SM-I-01 , SR-I-01 , TI-I-01 , TL-I-01 , U-I-01 , V-I-01 , ZN-I-01 , ZR-I-01

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
9	DUP	S96T003190	0	I	@ICP-I01	SOLID		
10	SPK	S96T003190	0	I	@ICP-I01	SOLID		
11	CCV				@ICP-QC	QC		
12	CCB				@ICP-QC	QC		
13	PREPBLKTJA				@ICP-I01	SOLID		
14	SERDIL	S96T003194	0	I	@ICP-I01	SOLID		
15	SAMPLE	S96T003194	0	I	@ICP-I01	SOLID	96000094	S102

Analytes Requested: AG-I-01 , AL-I-01 , AS-I-01 , B-I-01 , BA-I-01 ,

Data Entry Comments: Sample result calculation:

S96T003190 $Al = 49.37 \frac{ug}{ml} \times \frac{1}{4.290 \frac{g}{L} \times \frac{1L}{1000ml}} = 1.15e+4 \frac{ug}{g}$

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

Note: 4.290 $\frac{g}{L}$ is sample prep dilution factor which can be found in sample prep worklist.

LABCORE Data Entry Template for Worklist# 10023

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
					BE-I-01 , BI-I-01 , CA-I-01 , CD-I-01 , CE-I-01 , CO-I-01 , CR-I-01 , CU-I-01 , FE-I-01 , K-I-01 , LA-I-01 , LI-I-01 , MG-I-01 , MN-I-01 , MO-I-01 , NA-I-01 , ND-I-01 , NI-I-01 , P-I-01 , PB-I-01 , S-I-01 , SB-I-01 , SE-I-01 , SI-I-01 , SM-I-01 , SR-I-01 , TI-I-01 , TL-I-01 , U-I-01 , V-I-01 , ZN-I-01 , ZR-I-01			
16	DUP	S96T003194	0	I	@ICP-I01	SOLID		
17	SPK	S96T003194	0	I	@ICP-I01	SOLID		
18	PREPBLKTJA				@ICP-I01	SOLID		
19	SERDIL	S96T003195	0	I	@ICP-I01	SOLID		
20	SAMPLE	S96T003195	0	I	@ICP-I01	SOLID	96000094	S102
		Analytes Requested:			AG-I-01 , AL-I-01 , AS-I-01 , B-I-01 , BA-I-01 , BE-I-01 , BI-I-01 , CA-I-01 , CD-I-01 , CE-I-01 , CO-I-01 , CR-I-01 , CU-I-01 , FE-I-01 , K-I-01 , LA-I-01 , LI-I-01 , MG-I-01 , MN-I-01 , MO-I-01 , NA-I-01 , ND-I-01 , NI-I-01 , P-I-01 , PB-I-01 , S-I-01 , SB-I-01 , SE-I-01 , SI-I-01 , SM-I-01 , SR-I-01 , TI-I-01 , TL-I-01 , U-I-01 , V-I-01 , ZN-I-01 , ZR-I-01			
21	DUP	S96T003195	0	I	@ICP-I01	SOLID		
22	SPK	S96T003195	0	I	@ICP-I01	SOLID		
23	CCV				@ICP-QC	QC		
24	CCB				@ICP-QC	QC		
25	PREPBLKTJA				@ICP-I01	SOLID		
26	SERDIL	S96T003196	0	I	@ICP-I01	SOLID		
27	SAMPLE	S96T003196	0	I	@ICP-I01	SOLID	96000094	S102
		Analytes Requested:			AG-I-01 , AL-I-01 , AS-I-01 , B-I-01 , BA-I-01 , BE-I-01 , BI-I-01 , CA-I-01 , CD-I-01 , CE-I-01 , CO-I-01 , CR-I-01 , CU-I-01 , FE-I-01 , K-I-01 , LA-I-01 , LI-I-01 , MG-I-01 , MN-I-01 , MO-I-01 , NA-I-01 , ND-I-01 , NI-I-01 , P-I-01 , PB-I-01 , S-I-01 , SB-I-01 , SE-I-01 , SI-I-01 , SM-I-01 , SR-I-01 , TI-I-01 , TL-I-01 , U-I-01 , V-I-01 , ZN-I-01 , ZR-I-01			

Data Entry Comments: Spike recovery calculation:

S96T003190 ~~$Al = \left(\frac{48.37}{2.5}\right)$~~ $Al = \left(\frac{51.83}{2.5}\right) - \left(\frac{49.37}{2.5}\right) \times 100 = 98.4\%$

SP 6/20/96 1

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

Note: Spike true value is 1.0 ppm for all elements except for Al = 2.0 ppm

LABCORE Data Entry Template for Worklist# 10023

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
28	DUP	S96T003196	0	I	@ICP-I01	SOLID		
29	SPK	S96T003196	0	I	@ICP-I01	SOLID		
30	ICSA				@ICP-QC	QC		
31	ICSAB				@ICP-QC	QC		
32	CCV				@ICP-QC	QC		
33	CCB				@ICP-QC	QC		

Final page for worklist # 10023

Reviewed by:

[signature] 6-19-96
Analyst Signature Date

[signature] 6/20/96
Analyst Signature Date

		DF.
PREPBLK TJA	DIRECT	1
S96T00 3190-L	4-6-2-8	12.5
3190	4-6	2.5
3190-D	4-6	2.5
3190-A	4-2-4	2.5
PREPBLK TJA	DIRECT	1
S96T00 3194-L	4-6-2-8	12.5
3194	4-6	2.5
3194-D	4-6	2.5
3194-A	4-2-4	2.5
PREPBLK TJA	DIRECT	1
S96T00 3195-L	4-6-2-8	12.5
3195	4-6	2.5
3195-D	4-6	2.5
3195-A	4-2-4	2.5
PREPBLK TJA	DIRECT	1
S96T00 3196-L	4-6-2-8	12.5
3196	4-6	2.5
3196-D	4-6	2.5
3196-A	4-2-4	2.5

Data Entry Comments:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 10023

Analyst: bjg **Instrument:** ICP02 **Book#** _____

Method: _____ Rev/Mod _____

Worklist Comment: ICP S-102 (SOLID WATER DIGEST)

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
1	ICV		0	@ICP-QC	AG	QC	5.0	4.89e+00	97.800	% Recovery
1	ICV		0	@ICP-QC	AL	QC	5.0	4.91e+00	98.200	% Recovery
1	ICV		0	@ICP-QC	AS	QC	5.0	5.16e+00	103.200	% Recovery
1	ICV		0	@ICP-QC	B	QC	5.0	5.07e+00	101.400	% Recovery
1	ICV		0	@ICP-QC	BA	QC	5.0	4.95e+00	99.000	% Recovery
1	ICV		0	@ICP-QC	BE	QC	5.0	5.20e+00	104.000	% Recovery
1	ICV		0	@ICP-QC	BI	QC	5.0	5.05e+00	101.000	% Recovery
1	ICV		0	@ICP-QC	CA	QC	5.0	4.94e+00	98.800	% Recovery
1	ICV		0	@ICP-QC	CD	QC	5.0	4.88e+00	97.600	% Recovery
1	ICV		0	@ICP-QC	CE	QC	5.0	5.07e+00	101.400	% Recovery
1	ICV		0	@ICP-QC	CO	QC	5.0	4.92e+00	98.400	% Recovery
1	ICV		0	@ICP-QC	CR	QC	5.0	4.95e+00	99.000	% Recovery
1	ICV		0	@ICP-QC	CU	QC	5.0	5.26e+00	105.200	% Recovery
1	ICV		0	@ICP-QC	FE	QC	5.0	4.99e+00	99.800	% Recovery
1	ICV		0	@ICP-QC	K	QC	5.0	4.61e+00	92.200	% Recovery
1	ICV		0	@ICP-QC	LA	QC	5.0	4.99e+00	99.800	% Recovery
1	ICV		0	@ICP-QC	LI	QC	5.0	5.20e+00	104.000	% Recovery
1	ICV		0	@ICP-QC	MG	QC	5.0	4.92e+00	98.400	% Recovery
1	ICV		0	@ICP-QC	MN	QC	5.0	4.81e+00	96.200	% Recovery
1	ICV		0	@ICP-QC	MO	QC	5.0	4.95e+00	99.000	% Recovery
1	ICV		0	@ICP-QC	NA	QC	5.0	5.06e+00	101.200	% Recovery
1	ICV		0	@ICP-QC	ND	QC	5.0	5.06e+00	101.200	% Recovery
1	ICV		0	@ICP-QC	NI	QC	5.0	4.89e+00	97.800	% Recovery
1	ICV		0	@ICP-QC	P	QC	5.0	5.04e+00	100.800	% Recovery
1	ICV		0	@ICP-QC	PB	QC	5.0	4.81e+00	96.200	% Recovery
1	ICV		0	@ICP-QC	S	QC	5.0	4.96e+00	99.200	% Recovery
1	ICV		0	@ICP-QC	SB	QC	5.0	4.76e+00	95.200	% Recovery
1	ICV		0	@ICP-QC	SE	QC	5.0	4.92e+00	98.400	% Recovery
1	ICV		0	@ICP-QC	SI	QC	5.0	4.76e+00	95.200	% Recovery
1	ICV		0	@ICP-QC	SM	QC	5.0	4.89e+00	97.800	% Recovery
1	ICV		0	@ICP-QC	SR	QC	5.0	4.94e+00	98.800	% Recovery
1	ICV		0	@ICP-QC	TI	QC	5.0	4.85e+00	97.000	% Recovery
1	ICV		0	@ICP-QC	TL	QC	5.00	4.76e+00	95.200	% Recovery
1	ICV		0	@ICP-QC	U	QC	10.	9.76e+00	97.600	% Recovery
1	ICV		0	@ICP-QC	V	QC	5.0	4.96e+00	99.200	% Recovery
1	ICV		0	@ICP-QC	ZN	QC	5.0	4.98e+00	99.600	% Recovery
1	ICV		0	@ICP-QC	ZR	QC	5.0	4.86e+00	97.200	% Recovery
2	ICB		0	@ICP-QC	AG	QC	1	<1.00e-2		ug/g
2	ICB		0	@ICP-QC	AL	QC	1	<5.00e-2		ug/g
2	ICB		0	@ICP-QC	AS	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	B	QC	1	<5.00e-2		ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10023

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
2	ICB		0	@ICP-QC	BA	QC	1	<5.00e-2		ug/g
2	ICB		0	@ICP-QC	BE	QC	1	<5.00e-3		ug/g
2	ICB		0	@ICP-QC	BI	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	CA	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	CD	QC	1	<5.00e-3		ug/g
2	ICB		0	@ICP-QC	CE	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	CO	QC	1	<2.00e-2		ug/g
2	ICB		0	@ICP-QC	CR	QC	1	<1.00e-2		ug/g
2	ICB		0	@ICP-QC	CU	QC	1	<1.00e-2		ug/g
2	ICB		0	@ICP-QC	FE	QC	1	<5.00e-2		ug/g
2	ICB		0	@ICP-QC	K	QC	1	<5.00e-1		ug/g
2	ICB		0	@ICP-QC	LA	QC	1	<5.00e-2		ug/g
2	ICB		0	@ICP-QC	LI	QC	1	<1.00e-2		ug/g
2	ICB		0	@ICP-QC	MG	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	MN	QC	1	<1.00e-2		ug/g
2	ICB		0	@ICP-QC	MO	QC	1	<5.00e-2		ug/g
2	ICB		0	@ICP-QC	NA	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	ND	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	NI	QC	1	<2.00e-2		ug/g
2	ICB		0	@ICP-QC	P	QC	1	<2.00e-1		ug/g
2	ICB		0	@ICP-QC	PB	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	S	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	SB	QC	1	<6.00e-2		ug/g
2	ICB		0	@ICP-QC	SE	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	SI	QC	1	<5.00e-2		ug/g
2	ICB		0	@ICP-QC	SM	QC	1	<1.00e-1		ug/g
2	ICB		0	@ICP-QC	SR	QC	1	<1.00e-2		ug/g
2	ICB		0	@ICP-QC	TI	QC	1	<1.00e-2		ug/g
2	ICB		0	@ICP-QC	TL	QC	1	<2.00e-1		ug/g
2	ICB		0	@ICP-QC	U	QC	1	<5.00e-1		ug/g
2	ICB		0	@ICP-QC	V	QC	1	<5.00e-2		ug/g
2	ICB		0	@ICP-QC	ZN	QC	1	<1.00e-2		ug/g
2	ICB		0	@ICP-QC	ZR	QC	1	<1.00e-2		ug/g
3	LLS		0	@ICP-QC	AG	QC	0.02	1.92e-02	96.000	% Recovery
3	LLS		0	@ICP-QC	AL	QC	0.10	1.04e-01	104.000	% Recovery
3	LLS		0	@ICP-QC	AS	QC	0.20	1.83e-01	91.500	% Recovery
3	LLS		0	@ICP-QC	B	QC	0.10	1.04e-01	104.000	% Recovery
3	LLS		0	@ICP-QC	BA	QC	0.10	9.74e-02	97.400	% Recovery
3	LLS		0	@ICP-QC	BE	QC	0.01	1.07e-02	107.000	% Recovery
3	LLS		0	@ICP-QC	BI	QC	0.20	1.87e-01	93.500	% Recovery
3	LLS		0	@ICP-QC	CA	QC	0.20	1.96e-01	98.000	% Recovery
3	LLS		0	@ICP-QC	CD	QC	0.01	9.29e-03	92.900	% Recovery
3	LLS		0	@ICP-QC	CE	QC	0.20	1.97e-01	98.500	% Recovery
3	LLS		0	@ICP-QC	CO	QC	0.04	4.03e-02	100.750	% Recovery
3	LLS		0	@ICP-QC	CR	QC	0.02	2.01e-02	100.500	% Recovery
3	LLS		0	@ICP-QC	CU	QC	0.02	2.15e-02	107.500	% Recovery
3	LLS		0	@ICP-QC	FE	QC	0.10	1.00e-01	100.000	% Recovery
3	LLS		0	@ICP-QC	K	QC	0.50	<5.00e-1		% Recovery
3	LLS		0	@ICP-QC	LA	QC	0.10	9.84e-02	98.400	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10023

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
3	LLS		0		@ICP-QC LI	QC	0.02	2.05e-02	102.500	% Recovery
3	LLS		0		@ICP-QC MG	QC	0.20	2.00e-01	100.000	% Recovery
3	LLS		0		@ICP-QC MN	QC	0.02	1.86e-02	93.000	% Recovery
3	LLS		0		@ICP-QC MO	QC	0.10	9.32e-02	93.200	% Recovery
3	LLS		0		@ICP-QC NA	QC	0.20	2.00e-01	100.000	% Recovery
3	LLS		0		@ICP-QC ND	QC	0.20	1.96e-01	98.000	% Recovery
3	LLS		0		@ICP-QC NI	QC	0.04	4.02e-02	100.500	% Recovery
3	LLS		0		@ICP-QC P	QC	0.40	4.11e-01	102.750	% Recovery
3	LLS		0		@ICP-QC PB	QC	0.20	2.00e-01	100.000	% Recovery
3	LLS		0		@ICP-QC S	QC	0.20	1.92e-01	96.000	% Recovery
3	LLS		0		@ICP-QC SB	QC	0.10	1.05e-01	105.000	% Recovery
3	LLS		0		@ICP-QC SE	QC	0.20	2.46e-01	123.000	% Recovery
3	LLS		0		@ICP-QC SI	QC	0.10	1.23e-01	123.000	% Recovery
3	LLS		0		@ICP-QC SM	QC	0.20	1.88e-01	94.000	% Recovery
3	LLS		0		@ICP-QC SR	QC	0.02	1.97e-02	98.500	% Recovery
3	LLS		0		@ICP-QC TI	QC	0.02	1.99e-02	99.500	% Recovery
3	LLS		0		@ICP-QC TL	QC	0.40	4.16e-01	104.000	% Recovery
3	LLS		0		@ICP-QC U	QC	0.50	<5.00e-1		% Recovery
3	LLS		0		@ICP-QC V	QC	0.10	9.91e-02	99.100	% Recovery
3	LLS		0		@ICP-QC ZN	QC	0.02	2.11e-02	105.500	% Recovery
3	LLS		0		@ICP-QC ZR	QC	0.02	1.88e-02	94.000	% Recovery
4	ICSA		0		@ICP-QC AG	QC	1	<1.00e-2		ug/g
4	ICSA		0		@ICP-QC AL	QC	250	2.45e+02	98.000	% Recovery
4	ICSA		0		@ICP-QC AS	QC	1.0	<1.00e-1		ug/g
4	ICSA		0		@ICP-QC B	QC	1	<5.00e-2		ug/g
4	ICSA		0		@ICP-QC BA	QC	1	<5.00e-2		ug/g
4	ICSA		0		@ICP-QC BE	QC	1	<5.00e-3		ug/g
4	ICSA		0		@ICP-QC BI	QC	1.0	<1.00e-1		ug/g
4	ICSA		0		@ICP-QC CA	QC	250	2.49e+02	99.600	% Recovery
4	ICSA		0		@ICP-QC CD	QC	1	<5.00e-3		ug/g
4	ICSA		0		@ICP-QC CE	QC	1	<1.00e-1		ug/g
4	ICSA		0		@ICP-QC CO	QC	1	<2.00e-2		ug/g
4	ICSA		0		@ICP-QC CR	QC	1	1.00e-02	0.010	ug/g
4	ICSA		0		@ICP-QC CU	QC	1	<1.00e-2		ug/g
4	ICSA		0		@ICP-QC FE	QC	100	9.44e+01	94.400	% Recovery
4	ICSA		0		@ICP-QC K	QC	1	<5.00e-1		ug/g
4	ICSA		0		@ICP-QC LA	QC	1.0	<5.00e-2		ug/g
4	ICSA		0		@ICP-QC LI	QC	1	<1.00e-2		ug/g
4	ICSA		0		@ICP-QC MG	QC	250	2.55e+02	102.000	% Recovery
4	ICSA		0		@ICP-QC MN	QC	1.0	<1.00e-2		ug/g
4	ICSA		0		@ICP-QC MO	QC	1	<5.00e-2		ug/g
4	ICSA		0		@ICP-QC NA	QC	200	2.03e+02	101.500	% Recovery
4	ICSA		0		@ICP-QC ND	QC	1	<1.00e-1		ug/g
4	ICSA		0		@ICP-QC NI	QC	1	<2.00e-2		ug/g
4	ICSA		0		@ICP-QC P	QC	1.0	<2.00e-1		ug/g
4	ICSA		0		@ICP-QC PB	QC	1	<1.00e-1		ug/g
4	ICSA		0		@ICP-QC S	QC	1.0	<1.00e-1		ug/g
4	ICSA		0		@ICP-QC SB	QC	1	<6.00e-2		ug/g
4	ICSA		0		@ICP-QC SE	QC	1	<1.00e-1		ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10023

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
4	ICSA		0	@ICP-QC	SI	QC	1	<5.00e-2		ug/g
4	ICSA		0	@ICP-QC	SM	QC	1	<1.00e-1		ug/g
4	ICSA		0	@ICP-QC	SR	QC	1	<1.00e-2		ug/g
4	ICSA		0	@ICP-QC	TI	QC	1	<1.00e-2		ug/g
4	ICSA		0	@ICP-QC	TL	QC	1.0	<2.00e-1		ug/g
4	ICSA		0	@ICP-QC	U	QC	1	<5.00e-1		ug/g
4	ICSA		0	@ICP-QC	V	QC	1	<5.00e-2		ug/g
4	ICSA		0	@ICP-QC	ZN	QC	1.0	<1.00e-2		ug/g
4	ICSA		0	@ICP-QC	ZR	QC	1	<1.00e-2		ug/g
5	ICSAB		0	@ICP-QC	AG	QC	1.0	9.79e-01	97.900	% Recovery
5	ICSAB		0	@ICP-QC	AL	QC	250	2.44e+02	97.600	% Recovery
5	ICSAB		0	@ICP-QC	AS	QC	1.0	<1.00e-1		ug/g
5	ICSAB		0	@ICP-QC	B	QC	1.0	<5.00e-2		ug/g
5	ICSAB		0	@ICP-QC	BA	QC	0.5	4.88e-01	97.600	% Recovery
5	ICSAB		0	@ICP-QC	BE	QC	0.5	4.94e-01	98.800	% Recovery
5	ICSAB		0	@ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
5	ICSAB		0	@ICP-QC	CA	QC	250	2.49e+02	99.600	% Recovery
5	ICSAB		0	@ICP-QC	CD	QC	1.0	9.49e-01	94.900	% Recovery
5	ICSAB		0	@ICP-QC	CE	QC	1.0	<1.00e-1		ug/g
5	ICSAB		0	@ICP-QC	CO	QC	0.5	4.70e-01	94.000	% Recovery
5	ICSAB		0	@ICP-QC	CR	QC	0.5	4.91e-01	98.200	% Recovery
5	ICSAB		0	@ICP-QC	CU	QC	0.5	5.02e-01	100.400	% Recovery
5	ICSAB		0	@ICP-QC	FE	QC	100	9.42e+01	94.200	% Recovery
5	ICSAB		0	@ICP-QC	K	QC	1.0	<5.00e-1		ug/g
5	ICSAB		0	@ICP-QC	LA	QC	1.0	<5.00e-2		ug/g
5	ICSAB		0	@ICP-QC	LI	QC	1.0	1.01e+00	101.000	% Recovery
5	ICSAB		0	@ICP-QC	MG	QC	250	2.53e+02	101.200	% Recovery
5	ICSAB		0	@ICP-QC	MN	QC	0.5	4.49e-01	89.800	% Recovery
5	ICSAB		0	@ICP-QC	MO	QC	1.0	<5.00e-2		ug/g
5	ICSAB		0	@ICP-QC	NA	QC	200	1.98e+02	99.000	% Recovery
5	ICSAB		0	@ICP-QC	ND	QC	1.0	<1.00e-1		ug/g
5	ICSAB		0	@ICP-QC	NI	QC	1.0	9.33e-01	93.300	% Recovery
5	ICSAB		0	@ICP-QC	P	QC	1.0	<2.00e-1		ug/g
5	ICSAB		0	@ICP-QC	PB	QC	1.0	1.03e+00	103.000	% Recovery
5	ICSAB		0	@ICP-QC	S	QC	1.0	<1.00e-1		ug/g
5	ICSAB		0	@ICP-QC	SB	QC	1.0	<6.00e-2		ug/g
5	ICSAB		0	@ICP-QC	SE	QC	1.0	<1.00e-1		ug/g
5	ICSAB		0	@ICP-QC	SI	QC	1.0	<5.00e-2		ug/g
5	ICSAB		0	@ICP-QC	SM	QC	1.0	<1.00e-1		ug/g
5	ICSAB		0	@ICP-QC	SR	QC	1.0	<1.00e-2		ug/g
5	ICSAB		0	@ICP-QC	TI	QC	1.0	<1.00e-2		ug/g
5	ICSAB		0	@ICP-QC	TL	QC	1.0	<2.00e-1		ug/g
5	ICSAB		0	@ICP-QC	U	QC	1.0	<5.00e-1		ug/g
5	ICSAB		0	@ICP-QC	V	QC	0.5	4.73e-01	94.600	% Recovery
5	ICSAB		0	@ICP-QC	ZN	QC	1.0	9.80e-01	98.000	% Recovery
5	ICSAB		0	@ICP-QC	ZR	QC	1.0	<1.00e-2		ug/g
6	PREPBLKTJA		0	@ICP-I01	AG-I-01	SOLID	1	<1.00e-2		ug/g
6	PREPBLKTJA		0	@ICP-I01	AL-I-01	SOLID	1	1.29e-01	0.129	ug/g
6	PREPBLKTJA		0	@ICP-I01	AS-I-01	SOLID	1	<1.00e-1		ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10023

Seq	Type	Sample#	R	A	Test	Matrix	Actual		Found	DL or Yield	Unit
6	PREPBLKTJA		0		@ICP-I01 B-I-01	SOLID	1		2.35e+00	2.350	ug/g
6	PREPBLKTJA		0		@ICP-I01 BA-I-01	SOLID	1		<5.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 BE-I-01	SOLID	1		<5.00e-3		ug/g
6	PREPBLKTJA		0		@ICP-I01 BI-I-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 CA-I-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 CD-I-01	SOLID	1		<5.00e-3		ug/g
6	PREPBLKTJA		0		@ICP-I01 CE-I-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 CO-I-01	SOLID	1		<2.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 CR-I-01	SOLID	1		<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 CU-I-01	SOLID	1		<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 FE-I-01	SOLID	1		<5.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 K-I-01	SOLID	1		<5.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 LA-I-01	SOLID	1		<5.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 LI-I-01	SOLID	1		<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 MG-I-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 MN-I-01	SOLID	1		<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 MO-I-01	SOLID	1		<5.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 NA-I-01	SOLID	1		2.79e+00	2.790	ug/g
6	PREPBLKTJA		0		@ICP-I01 ND-I-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 NI-I-01	SOLID	1		<2.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 P-I-01	SOLID	1		<2.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 PB-I-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 S-I-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 SB-I-01	SOLID	1		<6.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 SE-I-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 SI-I-01	SOLID	1		5.20e-01	0.520	ug/g
6	PREPBLKTJA		0		@ICP-I01 SM-I-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 SR-I-01	SOLID	1		<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 TL-I-01	SOLID	1		<2.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 U-I-01	SOLID	1		<5.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-I01 V-I-01	SOLID	1		<5.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 ZN-I-01	SOLID	1		<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 ZR-I-01	SOLID	1		<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-I01 TI-I-01	SOLID	1		<1.00e-2		ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 AG-I-01	SOLID	N/A		1.72e+01	5.830	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 AL-I-01	SOLID	N/A		1.15e+04	29.100	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 AS-I-01	SOLID	N/A	<	5.83e+01	58.300	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 B-I-01	SOLID	N/A		5.85e+02	29.100	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 BA-I-01	SOLID	N/A	<	2.91e+01	29.100	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 BE-I-01	SOLID	N/A	<	2.91e+00	2.910	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 BI-I-01	SOLID	N/A	<	5.83e+01	58.300	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 CA-I-01	SOLID	N/A		5.99e+01	58.300	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 CD-I-01	SOLID	N/A	<	2.91e+00	2.910	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 CE-I-01	SOLID	N/A	<	5.83e+01	58.300	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 CO-I-01	SOLID	N/A	<	1.17e+01	11.700	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 CR-I-01	SOLID	N/A		1.57e+02	5.830	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 CU-I-01	SOLID	N/A	<	5.83e+00	5.830	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 FE-I-01	SOLID	N/A	<	2.91e+01	29.100	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 K-I-01	SOLID	N/A		1.20e+03	291.000	ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10023

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
7	SAMPLE	S96T003190	0	I	@ICP-I01 LA-I-01	SOLID	N/A <	2.91e+01	29.100	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 LI-I-01	SOLID	N/A <	5.83e+00	5.830	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 MG-I-01	SOLID	N/A <	5.83e+01	58.300	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 MN-I-01	SOLID	N/A <	5.83e+00	5.830	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 MO-I-01	SOLID	N/A	3.38e+01	29.100	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 NA-I-01	SOLID	N/A	2.48e+05	58.300	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 ND-I-01	SOLID	N/A <	5.83e+01	58.300	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 NI-I-01	SOLID	N/A <	1.17e+01	11.700	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 P-I-01	SOLID	N/A	3.77e+03	117.000	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 PB-I-01	SOLID	N/A <	5.83e+01	58.300	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 S-I-01	SOLID	N/A	3.37e+03	58.300	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 SB-I-01	SOLID	N/A <	3.50e+01	35.000	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 SE-I-01	SOLID	N/A <	5.83e+01	58.300	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 SI-I-01	SOLID	N/A	4.63e+02	29.100	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 SM-I-01	SOLID	N/A <	5.83e+01	58.300	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 SR-I-01	SOLID	N/A <	5.83e+00	5.830	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 TI-I-01	SOLID	N/A <	5.83e+00	5.830	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 TL-I-01	SOLID	N/A <	1.17e+02	117.000	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 U-I-01	SOLID	N/A <	2.91e+02	291.000	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 V-I-01	SOLID	N/A <	2.91e+01	29.100	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 ZN-I-01	SOLID	N/A	2.66e+01	5.830	ug/g
7	SAMPLE	S96T003190	0	I	@ICP-I01 ZR-I-01	SOLID	N/A <	5.83e+00	5.830	ug/g
8	DUP	S96T003190	0	I	@ICP-I01 AG-I-01	SOLID	1.72e+01	1.61e+01	6.607	RPD
8	DUP	S96T003190	0	I	@ICP-I01 AL-I-01	SOLID	1.15e+04	1.24e+04	7.531	RPD
8	DUP	S96T003190	0	I	@ICP-I01 AS-I-01	SOLID	<5.83e1	<5.14e1		RPD
8	DUP	S96T003190	0	I	@ICP-I01 B-I-01	SOLID	5.85e+02	3.90e+02	40.000	RPD
8	DUP	S96T003190	0	I	@ICP-I01 BA-I-01	SOLID	<2.91e1	<2.57e1		RPD
8	DUP	S96T003190	0	I	@ICP-I01 BE-I-01	SOLID	<2.91e0	<2.57e0		RPD
8	DUP	S96T003190	0	I	@ICP-I01 BI-I-01	SOLID	<5.83e1	<5.14e1		RPD
8	DUP	S96T003190	0	I	@ICP-I01 CA-I-01	SOLID	5.99e+01	<5.14e1		RPD
8	DUP	S96T003190	0	I	@ICP-I01 CD-I-01	SOLID	<2.91e0	<2.57e0		RPD
8	DUP	S96T003190	0	I	@ICP-I01 CE-I-01	SOLID	<5.83e1	<5.14e1		RPD
8	DUP	S96T003190	0	I	@ICP-I01 CO-I-01	SOLID	<1.17e1	<1.03e1		RPD
8	DUP	S96T003190	0	I	@ICP-I01 CR-I-01	SOLID	1.57e+02	1.40e+02	11.448	RPD
8	DUP	S96T003190	0	I	@ICP-I01 CU-I-01	SOLID	<5.83e0	<5.14e0		RPD
8	DUP	S96T003190	0	I	@ICP-I01 FE-I-01	SOLID	<2.91e1	<2.57e1		RPD
8	DUP	S96T003190	0	I	@ICP-I01 K-I-01	SOLID	1.20e+03	1.05e+03	13.333	RPD
8	DUP	S96T003190	0	I	@ICP-I01 LA-I-01	SOLID	<2.91e1	<2.57e1		RPD
8	DUP	S96T003190	0	I	@ICP-I01 LI-I-01	SOLID	<5.83e0	<5.14e0		RPD
8	DUP	S96T003190	0	I	@ICP-I01 MG-I-01	SOLID	<5.83e1	<5.14e1		RPD
8	DUP	S96T003190	0	I	@ICP-I01 MN-I-01	SOLID	<5.83e0	<5.14e0		RPD
8	DUP	S96T003190	0	I	@ICP-I01 MO-I-01	SOLID	3.38e+01	3.55e+01	4.906	RPD
8	DUP	S96T003190	0	I	@ICP-I01 NA-I-01	SOLID	2.48e+05	2.27e+05	8.842	RPD
8	DUP	S96T003190	0	I	@ICP-I01 ND-I-01	SOLID	<5.83e1	<5.14e1		RPD
8	DUP	S96T003190	0	I	@ICP-I01 NI-I-01	SOLID	<1.17e1	<1.03e1		RPD
8	DUP	S96T003190	0	I	@ICP-I01 P-I-01	SOLID	3.77e+03	3.54e+03	6.293	RPD
8	DUP	S96T003190	0	I	@ICP-I01 PB-I-01	SOLID	<5.83e1	<5.14e1		RPD
8	DUP	S96T003190	0	I	@ICP-I01 S-I-01	SOLID	3.37e+03	3.09e+03	8.669	RPD
8	DUP	S96T003190	0	I	@ICP-I01 SB-I-01	SOLID	<3.50e1	<3.08e1		RPD

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10023

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
8	DUP	S96T003190	0	I	@ICP-I01	SE-I-01	SOLID	<5.83e1	<5.14e1		RPD
8	DUP	S96T003190	0	I	@ICP-I01	SI-I-01	SOLID	4.63e+02	3.83e+02	18.913	RPD
8	DUP	S96T003190	0	I	@ICP-I01	SM-I-01	SOLID	<5.83e1	<5.14e1		RPD
8	DUP	S96T003190	0	I	@ICP-I01	SR-I-01	SOLID	<5.83e0	<5.14e0		RPD
8	DUP	S96T003190	0	I	@ICP-I01	TL-I-01	SOLID	<1.17e2	<1.03e2		RPD
8	DUP	S96T003190	0	I	@ICP-I01	U-I-01	SOLID	<2.91e2	<2.57e2		RPD
8	DUP	S96T003190	0	I	@ICP-I01	V-I-01	SOLID	<2.91e1	<2.57e1		RPD
8	DUP	S96T003190	0	I	@ICP-I01	ZN-I-01	SOLID	2.66e+01	1.31e+01	68.010	RPD
8	DUP	S96T003190	0	I	@ICP-I01	ZR-I-01	SOLID	<5.83e0	<5.14e0		RPD
8	DUP	S96T003190	0	I	@ICP-I01	TI-I-01	SOLID	<5.83e0	<5.14e0		RPD
9	SPK	S96T003190	0	I	@ICP-I01	AG-I-01	SOLID	1	0.934	93.400	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	AL-I-01	SOLID	1	0.974	97.400	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	AS-I-01	SOLID	1	1.020	102.000	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	B-I-01	SOLID	1	1.020	102.000	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	BA-I-01	SOLID	1	0.984	98.400	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	BE-I-01	SOLID	1	1.036	103.600	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	BI-I-01	SOLID	1	1.008	100.800	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	CA-I-01	SOLID	1	1.001	100.100	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	CD-I-01	SOLID	1	0.992	99.200	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	CE-I-01	SOLID	1	1.016	101.600	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	CO-I-01	SOLID	1	0.996	99.600	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	CR-I-01	SOLID	1	1.007	100.700	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	CU-I-01	SOLID	1	1.048	104.800	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	FE-I-01	SOLID	1	1.012	101.200	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	K-I-01	SOLID	1	0.924	92.400	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	LA-I-01	SOLID	1	1.004	100.400	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	LI-I-01	SOLID	1	1.024	102.400	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	MG-I-01	SOLID	1	0.976	97.600	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	MN-I-01	SOLID	1	0.952	95.200	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	MO-I-01	SOLID	1	1.002	100.200	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	NA-I-01	SOLID	1	<1.00e-1		% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	ND-I-01	SOLID	1	1.016	101.600	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	NI-I-01	SOLID	1	0.984	98.400	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	P-I-01	SOLID	1	0.922	92.200	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	PB-I-01	SOLID	1	1.004	100.400	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	S-I-01	SOLID	1	0.970	97.000	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	SB-I-01	SOLID	1	0.976	97.600	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	SE-I-01	SOLID	1	1.088	108.800	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	SI-I-01	SOLID	1	1.301	130.100	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	SM-I-01	SOLID	1	0.964	96.400	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	SR-I-01	SOLID	1	0.988	98.800	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	TL-I-01	SOLID	1	0.984	98.400	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	U-I-01	SOLID	2	1.956	97.800	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	V-I-01	SOLID	1	0.996	99.600	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	ZN-I-01	SOLID	1	0.998	99.800	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	ZR-I-01	SOLID	1	0.980	98.000	% Recovery
9	SPK	S96T003190	0	I	@ICP-I01	TI-I-01	SOLID	1	0.980	98.000	% Recovery
10	CCV		0		@ICP-QC	AG	QC	5.0	4.93e+00	98.600	% Recovery
10	CCV		0		@ICP-QC	AL	QC	5.0	4.92e+00	98.400	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10023

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
10	CCV		0	@ICP-QC	AS	QC	5.0	5.19e+00	103.800 %	Recovery
10	CCV		0	@ICP-QC	B	QC	5.0	5.07e+00	101.400 %	Recovery
10	CCV		0	@ICP-QC	BA	QC	5.0	4.94e+00	98.800 %	Recovery
10	CCV		0	@ICP-QC	BE	QC	5.0	5.21e+00	104.200 %	Recovery
10	CCV		0	@ICP-QC	BI	QC	5.0	5.03e+00	100.600 %	Recovery
10	CCV		0	@ICP-QC	CA	QC	5.0	5.03e+00	100.600 %	Recovery
10	CCV		0	@ICP-QC	CD	QC	5.0	4.93e+00	98.600 %	Recovery
10	CCV		0	@ICP-QC	CE	QC	5.0	5.08e+00	101.600 %	Recovery
10	CCV		0	@ICP-QC	CO	QC	5.0	4.97e+00	99.400 %	Recovery
10	CCV		0	@ICP-QC	CR	QC	5.0	5.01e+00	100.200 %	Recovery
10	CCV		0	@ICP-QC	CU	QC	5.0	5.24e+00	104.800 %	Recovery
10	CCV		0	@ICP-QC	FE	QC	5.0	5.04e+00	100.800 %	Recovery
10	CCV		0	@ICP-QC	K	QC	5.0	4.69e+00	93.800 %	Recovery
10	CCV		0	@ICP-QC	LA	QC	5.0	4.99e+00	99.800 %	Recovery
10	CCV		0	@ICP-QC	LI	QC	5.0	5.15e+00	103.000 %	Recovery
10	CCV		0	@ICP-QC	MG	QC	5.0	4.95e+00	99.000 %	Recovery
10	CCV		0	@ICP-QC	MN	QC	5.0	4.85e+00	97.000 %	Recovery
10	CCV		0	@ICP-QC	MO	QC	5.0	5.00e+00	100.000 %	Recovery
10	CCV		0	@ICP-QC	NA	QC	5.0	5.01e+00	100.200 %	Recovery
10	CCV		0	@ICP-QC	ND	QC	5.0	5.05e+00	101.000 %	Recovery
10	CCV		0	@ICP-QC	NI	QC	5.0	4.94e+00	98.800 %	Recovery
10	CCV		0	@ICP-QC	P	QC	5.0	5.05e+00	101.000 %	Recovery
10	CCV		0	@ICP-QC	PB	QC	5.0	4.91e+00	98.200 %	Recovery
10	CCV		0	@ICP-QC	S	QC	5.0	4.95e+00	99.000 %	Recovery
10	CCV		0	@ICP-QC	SB	QC	5.0	4.78e+00	95.600 %	Recovery
10	CCV		0	@ICP-QC	SE	QC	5.0	4.94e+00	98.800 %	Recovery
10	CCV		0	@ICP-QC	SI	QC	5.0	4.89e+00	97.800 %	Recovery
10	CCV		0	@ICP-QC	SM	QC	5.0	4.89e+00	97.800 %	Recovery
10	CCV		0	@ICP-QC	SR	QC	5.0	4.94e+00	98.800 %	Recovery
10	CCV		0	@ICP-QC	TI	QC	5.0	4.90e+00	98.000 %	Recovery
10	CCV		0	@ICP-QC	TL	QC	5.0	4.78e+00	95.600 %	Recovery
10	CCV		0	@ICP-QC	U	QC	10.	9.75e+00	97.500 %	Recovery
10	CCV		0	@ICP-QC	V	QC	5.0	4.99e+00	99.800 %	Recovery
10	CCV		0	@ICP-QC	ZN	QC	5.0	5.04e+00	100.800 %	Recovery
10	CCV		0	@ICP-QC	ZR	QC	5.0	4.88e+00	97.600 %	Recovery
11	CCB		0	@ICP-QC	AG	QC	1	<1.00e-2		ug/g
11	CCB		0	@ICP-QC	AL	QC	1	<5.00e-2		ug/g
11	CCB		0	@ICP-QC	AS	QC	1	<1.00e-1		ug/g
11	CCB		0	@ICP-QC	B	QC	1	<5.00e-2		ug/g
11	CCB		0	@ICP-QC	BA	QC	1	<5.00e-2		ug/g
11	CCB		0	@ICP-QC	BE	QC	1	<5.00e-3		ug/g
11	CCB		0	@ICP-QC	BI	QC	1	<1.00e-1		ug/g
11	CCB		0	@ICP-QC	CA	QC	1	<1.00e-1		ug/g
11	CCB		0	@ICP-QC	CD	QC	1	<5.00e-3		ug/g
11	CCB		0	@ICP-QC	CE	QC	1	<1.00e-1		ug/g
11	CCB		0	@ICP-QC	CO	QC	1	<2.00e-2		ug/g
11	CCB		0	@ICP-QC	CR	QC	1	<1.00e-2		ug/g
11	CCB		0	@ICP-QC	CU	QC	1	<1.00e-2		ug/g
11	CCB		0	@ICP-QC	FE	QC	1	<5.00e-2		ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10023

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
11	CCB		0	@ICP-QC	K	QC	1	<5.00e-1		ug/g
11	CCB		0	@ICP-QC	LA	QC	1	<5.00e-2		ug/g
11	CCB		0	@ICP-QC	LI	QC	1	<1.00e-2		ug/g
11	CCB		0	@ICP-QC	MG	QC	1	<1.00e-1		ug/g
11	CCB		0	@ICP-QC	MN	QC	1	<1.00e-2		ug/g
11	CCB		0	@ICP-QC	MO	QC	1	<5.00e-2		ug/g
11	CCB		0	@ICP-QC	NA	QC	1	<1.00e-1		ug/g
11	CCB		0	@ICP-QC	ND	QC	1	<1.00e-1		ug/g
11	CCB		0	@ICP-QC	NI	QC	1	<2.00e-2		ug/g
11	CCB		0	@ICP-QC	P	QC	1	<2.00e-1		ug/g
11	CCB		0	@ICP-QC	PB	QC	1	<1.00e-1		ug/g
11	CCB		0	@ICP-QC	S	QC	1	<1.00e-1		ug/g
11	CCB		0	@ICP-QC	SB	QC	1	<6.00e-2		ug/g
11	CCB		0	@ICP-QC	SE	QC	1	<1.00e-1		ug/g
11	CCB		0	@ICP-QC	SI	QC	1	<5.00e-2		ug/g
11	CCB		0	@ICP-QC	SM	QC	1	<1.00e-1		ug/g
11	CCB		0	@ICP-QC	SR	QC	1	<1.00e-2		ug/g
11	CCB		0	@ICP-QC	TI	QC	1	<1.00e-2		ug/g
11	CCB		0	@ICP-QC	TL	QC	1	<2.00e-1		ug/g
11	CCB		0	@ICP-QC	U	QC	1	<5.00e-1		ug/g
11	CCB		0	@ICP-QC	V	QC	1	<5.00e-2		ug/g
11	CCB		0	@ICP-QC	ZN	QC	1	<1.00e-2		ug/g
11	CCB		0	@ICP-QC	ZR	QC	1	<1.00e-2		ug/g
12	PREPBLKTJA		0	@ICP-I01	AG-I-01	SOLID	1	<1.00e-2		ug/g
12	PREPBLKTJA		0	@ICP-I01	AL-I-01	SOLID	1	1.48e-01	0.148	ug/g
12	PREPBLKTJA		0	@ICP-I01	AS-I-01	SOLID	1	<1.00e-1		ug/g
12	PREPBLKTJA		0	@ICP-I01	B-I-01	SOLID	1	2.49e+00	2.490	ug/g
12	PREPBLKTJA		0	@ICP-I01	BA-I-01	SOLID	1	<5.00e-2		ug/g
12	PREPBLKTJA		0	@ICP-I01	BE-I-01	SOLID	1	<5.00e-3		ug/g
12	PREPBLKTJA		0	@ICP-I01	BI-I-01	SOLID	1	<1.00e-1		ug/g
12	PREPBLKTJA		0	@ICP-I01	CA-I-01	SOLID	1	<1.00e-1		ug/g
12	PREPBLKTJA		0	@ICP-I01	CD-I-01	SOLID	1	<5.00e-3		ug/g
12	PREPBLKTJA		0	@ICP-I01	CE-I-01	SOLID	1	<1.00e-1		ug/g
12	PREPBLKTJA		0	@ICP-I01	CO-I-01	SOLID	1	<2.00e-2		ug/g
12	PREPBLKTJA		0	@ICP-I01	CR-I-01	SOLID	1	<1.00e-2		ug/g
12	PREPBLKTJA		0	@ICP-I01	CU-I-01	SOLID	1	1.04e-02	0.010	ug/g
12	PREPBLKTJA		0	@ICP-I01	FE-I-01	SOLID	1	<5.00e-2		ug/g
12	PREPBLKTJA		0	@ICP-I01	K-I-01	SOLID	1	<5.00e-1		ug/g
12	PREPBLKTJA		0	@ICP-I01	LA-I-01	SOLID	1	<5.00e-2		ug/g
12	PREPBLKTJA		0	@ICP-I01	LI-I-01	SOLID	1	<1.00e-2		ug/g
12	PREPBLKTJA		0	@ICP-I01	MG-I-01	SOLID	1	<1.00e-1		ug/g
12	PREPBLKTJA		0	@ICP-I01	MN-I-01	SOLID	1	<1.00e-2		ug/g
12	PREPBLKTJA		0	@ICP-I01	MO-I-01	SOLID	1	<5.00e-2		ug/g
12	PREPBLKTJA		0	@ICP-I01	NA-I-01	SOLID	1	2.86e+00	2.860	ug/g
12	PREPBLKTJA		0	@ICP-I01	ND-I-01	SOLID	1	<1.00e-1		ug/g
12	PREPBLKTJA		0	@ICP-I01	NI-I-01	SOLID	1	<2.00e-2		ug/g
12	PREPBLKTJA		0	@ICP-I01	P-I-01	SOLID	1	<2.00e-1		ug/g
12	PREPBLKTJA		0	@ICP-I01	PB-I-01	SOLID	1	<1.00e-1		ug/g
12	PREPBLKTJA		0	@ICP-I01	S-I-01	SOLID	1	<1.00e-1		ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10023

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
12	PREPBLKTJA		0		@ICP-I01 SB-I-01	SOLID	1	<6.00e-2		ug/g
12	PREPBLKTJA		0		@ICP-I01 SE-I-01	SOLID	1	<1.00e-1		ug/g
12	PREPBLKTJA		0		@ICP-I01 SI-I-01	SOLID	1	6.04e-01	0.604	ug/g
12	PREPBLKTJA		0		@ICP-I01 SM-I-01	SOLID	1	<1.00e-1		ug/g
12	PREPBLKTJA		0		@ICP-I01 SR-I-01	SOLID	1	<1.00e-2		ug/g
12	PREPBLKTJA		0		@ICP-I01 TL-I-01	SOLID	1	<2.00e-1		ug/g
12	PREPBLKTJA		0		@ICP-I01 U-I-01	SOLID	1	<5.00e-1		ug/g
12	PREPBLKTJA		0		@ICP-I01 V-I-01	SOLID	1	<5.00e-2		ug/g
12	PREPBLKTJA		0		@ICP-I01 ZN-I-01	SOLID	1	<1.00e-2		ug/g
12	PREPBLKTJA		0		@ICP-I01 ZR-I-01	SOLID	1	<1.00e-2		ug/g
12	PREPBLKTJA		0		@ICP-I01 TI-I-01	SOLID	1	<1.00e-2		ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 AG-I-01	SOLID	N/A	1.62e+01	5.060	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 AL-I-01	SOLID	N/A	1.28e+04	25.300	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 AS-I-01	SOLID	N/A <	5.06e+01	50.600	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 B-I-01	SOLID	N/A	3.65e+02	25.300	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 BA-I-01	SOLID	N/A <	2.53e+01	25.300	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 BE-I-01	SOLID	N/A <	2.53e+00	2.530	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 BI-I-01	SOLID	N/A <	5.06e+01	50.600	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 CA-I-01	SOLID	N/A	5.25e+01	50.600	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 CD-I-01	SOLID	N/A <	2.53e+00	2.530	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 CE-I-01	SOLID	N/A <	5.06e+01	50.600	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 CO-I-01	SOLID	N/A <	1.01e+01	10.100	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 CR-I-01	SOLID	N/A	1.43e+02	5.060	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 CU-I-01	SOLID	N/A <	5.06e+00	5.060	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 FE-I-01	SOLID	N/A <	2.53e+01	25.300	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 K-I-01	SOLID	N/A	1.09e+03	253.000	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 LA-I-01	SOLID	N/A <	2.53e+01	25.300	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 LI-I-01	SOLID	N/A <	5.06e+00	5.060	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 MG-I-01	SOLID	N/A <	5.06e+01	50.600	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 MN-I-01	SOLID	N/A <	5.06e+00	5.060	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 MO-I-01	SOLID	N/A	3.48e+01	25.300	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 NA-I-01	SOLID	N/A	2.37e+05	50.600	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 ND-I-01	SOLID	N/A <	5.06e+01	50.600	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 NI-I-01	SOLID	N/A <	1.01e+01	10.100	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 P-I-01	SOLID	N/A	3.59e+03	101.000	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 PB-I-01	SOLID	N/A <	5.06e+01	50.600	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 S-I-01	SOLID	N/A	3.07e+03	50.600	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 SB-I-01	SOLID	N/A <	3.03e+01	30.300	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 SE-I-01	SOLID	N/A <	5.06e+01	50.600	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 SI-I-01	SOLID	N/A	3.98e+02	25.300	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 SM-I-01	SOLID	N/A <	5.06e+01	50.600	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 SR-I-01	SOLID	N/A <	5.06e+00	5.060	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 TI-I-01	SOLID	N/A <	5.06e+00	5.060	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 TL-I-01	SOLID	N/A <	1.01e+02	101.000	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 U-I-01	SOLID	N/A <	2.53e+02	253.000	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 V-I-01	SOLID	N/A <	2.53e+01	25.300	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 ZN-I-01	SOLID	N/A	1.43e+01	5.060	ug/g
13	SAMPLE	S96T003194	0	I	@ICP-I01 ZR-I-01	SOLID	N/A <	5.06e+00	5.060	ug/g
14	DUP	S96T003194	0	I	@ICP-I01 AG-I-01	SOLID	1.62e+01	1.68e+01	3.636	RPD

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10023

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
14	DUP	S96T003194	0	I	@ICP-I01 AL-I-01	SOLID	1.28e+04	1.30e+04	1.550	RPD
14	DUP	S96T003194	0	I	@ICP-I01 AS-I-01	SOLID	<5.06e1	<5.21e1		RPD
14	DUP	S96T003194	0	I	@ICP-I01 B-I-01	SOLID	3.65e+02	4.33e+02	17.043	RPD
14	DUP	S96T003194	0	I	@ICP-I01 BA-I-01	SOLID	<2.53e1	<2.60e1		RPD
14	DUP	S96T003194	0	I	@ICP-I01 BE-I-01	SOLID	<2.53e0	<2.60e0		RPD
14	DUP	S96T003194	0	I	@ICP-I01 BI-I-01	SOLID	<5.06e1	<5.21e1		RPD
14	DUP	S96T003194	0	I	@ICP-I01 CA-I-01	SOLID	5.25e+01	<5.21e1		RPD
14	DUP	S96T003194	0	I	@ICP-I01 CD-I-01	SOLID	<2.53e0	<2.60e0		RPD
14	DUP	S96T003194	0	I	@ICP-I01 CE-I-01	SOLID	<5.06e1	<5.21e1		RPD
14	DUP	S96T003194	0	I	@ICP-I01 CO-I-01	SOLID	<1.01e1	<1.04e1		RPD
14	DUP	S96T003194	0	I	@ICP-I01 CR-I-01	SOLID	1.43e+02	1.49e+02	4.110	RPD
14	DUP	S96T003194	0	I	@ICP-I01 CU-I-01	SOLID	<5.06e0	<5.21e0		RPD
14	DUP	S96T003194	0	I	@ICP-I01 FE-I-01	SOLID	<2.53e1	<2.60e1		RPD
14	DUP	S96T003194	0	I	@ICP-I01 K-I-01	SOLID	1.09e+03	1.14e+03	4.484	RPD
14	DUP	S96T003194	0	I	@ICP-I01 LA-I-01	SOLID	<2.53e1	<2.60e1		RPD
14	DUP	S96T003194	0	I	@ICP-I01 LI-I-01	SOLID	<5.06e0	<5.21e0		RPD
14	DUP	S96T003194	0	I	@ICP-I01 MG-I-01	SOLID	<5.06e1	<5.21e1		RPD
14	DUP	S96T003194	0	I	@ICP-I01 MN-I-01	SOLID	<5.06e0	<5.21e0		RPD
14	DUP	S96T003194	0	I	@ICP-I01 MO-I-01	SOLID	3.48e+01	3.59e+01	3.112	RPD
14	DUP	S96T003194	0	I	@ICP-I01 NA-I-01	SOLID	2.37e+05	2.43e+05	2.500	RPD
14	DUP	S96T003194	0	I	@ICP-I01 ND-I-01	SOLID	<5.06e1	<5.21e1		RPD
14	DUP	S96T003194	0	I	@ICP-I01 NI-I-01	SOLID	<1.01e1	<1.04e1		RPD
14	DUP	S96T003194	0	I	@ICP-I01 P-I-01	SOLID	3.59e+03	3.77e+03	4.891	RPD
14	DUP	S96T003194	0	I	@ICP-I01 PB-I-01	SOLID	<5.06e1	<5.21e1		RPD
14	DUP	S96T003194	0	I	@ICP-I01 S-I-01	SOLID	3.07e+03	3.18e+03	3.520	RPD
14	DUP	S96T003194	0	I	@ICP-I01 SB-I-01	SOLID	<3.03e1	<3.12e1		RPD
14	DUP	S96T003194	0	I	@ICP-I01 SE-I-01	SOLID	<5.06e1	<5.21e1		RPD
14	DUP	S96T003194	0	I	@ICP-I01 SI-I-01	SOLID	3.98e+02	4.24e+02	6.326	RPD
14	DUP	S96T003194	0	I	@ICP-I01 SM-I-01	SOLID	<5.06e1	<5.21e1		RPD
14	DUP	S96T003194	0	I	@ICP-I01 SR-I-01	SOLID	<5.06e0	<5.21e0		RPD
14	DUP	S96T003194	0	I	@ICP-I01 TL-I-01	SOLID	<1.01e2	<1.04e2		RPD
14	DUP	S96T003194	0	I	@ICP-I01 U-I-01	SOLID	<2.53e2	<2.60e2		RPD
14	DUP	S96T003194	0	I	@ICP-I01 V-I-01	SOLID	<2.53e1	<2.60e1		RPD
14	DUP	S96T003194	0	I	@ICP-I01 ZN-I-01	SOLID	1.43e+01	1.99e+01	32.749	RPD
14	DUP	S96T003194	0	I	@ICP-I01 ZR-I-01	SOLID	<5.06e0	<5.21e0		RPD
14	DUP	S96T003194	0	I	@ICP-I01 TI-I-01	SOLID	<5.06e0	<5.21e0		RPD
15	SPK	S96T003194	0	I	@ICP-I01 AG-I-01	SOLID	1	0.952	95.200	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 AL-I-01	SOLID	1	1.168	116.800	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 AS-I-01	SOLID	1	1.016	101.600	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 B-I-01	SOLID	1	1.010	101.000	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 BA-I-01	SOLID	1	0.980	98.000	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 BE-I-01	SOLID	1	1.036	103.600	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 BI-I-01	SOLID	1	1.032	103.200	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 CA-I-01	SOLID	1	1.012	101.200	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 CD-I-01	SOLID	1	0.992	99.200	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 CE-I-01	SOLID	1	1.016	101.600	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 CO-I-01	SOLID	1	0.992	99.200	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 CR-I-01	SOLID	1	1.008	100.800	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 CU-I-01	SOLID	1	1.048	104.800	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10023

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
15	SPK	S96T003194	0	I	@ICP-I01 FE-I-01	SOLID	1	1.012	101.200	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 K-I-01	SOLID	1	1.072	107.200	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 LA-I-01	SOLID	1	1.008	100.800	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 LI-I-01	SOLID	1	1.032	103.200	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 MG-I-01	SOLID	1	0.984	98.400	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 MN-I-01	SOLID	1	0.948	94.800	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 MO-I-01	SOLID	1	1.007	100.700	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 NA-I-01	SOLID	1	4.136	413.600	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 ND-I-01	SOLID	1	1.016	101.600	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 NI-I-01	SOLID	1	0.996	99.600	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 P-I-01	SOLID	1	1.148	114.800	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 PB-I-01	SOLID	1	1.012	101.200	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 S-I-01	SOLID	1	1.047	104.700	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 SB-I-01	SOLID	1	0.972	97.200	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 SE-I-01	SOLID	1	1.084	108.400	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 SI-I-01	SOLID	1	1.073	107.300	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 SM-I-01	SOLID	1	0.968	96.800	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 SR-I-01	SOLID	1	0.988	98.800	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 TL-I-01	SOLID	1	0.944	94.400	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 U-I-01	SOLID	2	1.944	97.200	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 V-I-01	SOLID	1	0.992	99.200	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 ZN-I-01	SOLID	1	1.028	102.800	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 ZR-I-01	SOLID	1	0.976	97.600	% Recovery
15	SPK	S96T003194	0	I	@ICP-I01 TI-I-01	SOLID	1	0.980	98.000	% Recovery
16	PREPBLKTJA		0		@ICP-I01 AG-I-01	SOLID	1	<1.00e-2		ug/g
16	PREPBLKTJA		0		@ICP-I01 AL-I-01	SOLID	1	1.58e-01	0.158	ug/g
16	PREPBLKTJA		0		@ICP-I01 AS-I-01	SOLID	1	<1.00e-1		ug/g
16	PREPBLKTJA		0		@ICP-I01 B-I-01	SOLID	1	2.47e+00	2.470	ug/g
16	PREPBLKTJA		0		@ICP-I01 BA-I-01	SOLID	1	<5.00e-2		ug/g
16	PREPBLKTJA		0		@ICP-I01 BE-I-01	SOLID	1	<5.00e-3		ug/g
16	PREPBLKTJA		0		@ICP-I01 BI-I-01	SOLID	1	<1.00e-1		ug/g
16	PREPBLKTJA		0		@ICP-I01 CA-I-01	SOLID	1	<1.00e-1		ug/g
16	PREPBLKTJA		0		@ICP-I01 CD-I-01	SOLID	1	<5.00e-3		ug/g
16	PREPBLKTJA		0		@ICP-I01 CE-I-01	SOLID	1	<1.00e-1		ug/g
16	PREPBLKTJA		0		@ICP-I01 CO-I-01	SOLID	1	<2.00e-2		ug/g
16	PREPBLKTJA		0		@ICP-I01 CR-I-01	SOLID	1	<1.00e-2		ug/g
16	PREPBLKTJA		0		@ICP-I01 CU-I-01	SOLID	1	1.22e-02	0.012	ug/g
16	PREPBLKTJA		0		@ICP-I01 FE-I-01	SOLID	1	<5.00e-2		ug/g
16	PREPBLKTJA		0		@ICP-I01 K-I-01	SOLID	1	<5.00e-1		ug/g
16	PREPBLKTJA		0		@ICP-I01 LA-I-01	SOLID	1	<5.00e-2		ug/g
16	PREPBLKTJA		0		@ICP-I01 LI-I-01	SOLID	1	<1.00e-2		ug/g
16	PREPBLKTJA		0		@ICP-I01 MG-I-01	SOLID	1	<1.00e-1		ug/g
16	PREPBLKTJA		0		@ICP-I01 MN-I-01	SOLID	1	<1.00e-2		ug/g
16	PREPBLKTJA		0		@ICP-I01 MO-I-01	SOLID	1	<5.00e-2		ug/g
16	PREPBLKTJA		0		@ICP-I01 NA-I-01	SOLID	1	2.90e+00	2.900	ug/g
16	PREPBLKTJA		0		@ICP-I01 ND-I-01	SOLID	1	<1.00e-1		ug/g
16	PREPBLKTJA		0		@ICP-I01 NI-I-01	SOLID	1	<2.00e-2		ug/g
16	PREPBLKTJA		0		@ICP-I01 P-I-01	SOLID	1	<2.00e-1		ug/g
16	PREPBLKTJA		0		@ICP-I01 PB-I-01	SOLID	1	<1.00e-1		ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10023

Seq	Type	Sample#	R	A	Test	Matrix	Actual		Found	DL or Yield	Unit
16	PREPBLKTJA		0		@ICP-I01 S-I-01	SOLID	1		<1.00e-1		ug/g
16	PREPBLKTJA		0		@ICP-I01 SB-I-01	SOLID	1		<6.00e-2		ug/g
16	PREPBLKTJA		0		@ICP-I01 SE-I-01	SOLID	1		<1.00e-1		ug/g
16	PREPBLKTJA		0		@ICP-I01 SI-I-01	SOLID	1		5.35e-01	0.535	ug/g
16	PREPBLKTJA		0		@ICP-I01 SM-I-01	SOLID	1		<1.00e-1		ug/g
16	PREPBLKTJA		0		@ICP-I01 SR-I-01	SOLID	1		<1.00e-2		ug/g
16	PREPBLKTJA		0		@ICP-I01 TL-I-01	SOLID	1		<2.00e-1		ug/g
16	PREPBLKTJA		0		@ICP-I01 U-I-01	SOLID	1		<5.00e-1		ug/g
16	PREPBLKTJA		0		@ICP-I01 V-I-01	SOLID	1		<5.00e-2		ug/g
16	PREPBLKTJA		0		@ICP-I01 ZN-I-01	SOLID	1		<1.00e-2		ug/g
16	PREPBLKTJA		0		@ICP-I01 ZR-I-01	SOLID	1		<1.00e-2		ug/g
16	PREPBLKTJA		0		@ICP-I01 TI-I-01	SOLID	1		<1.00e-2		ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 AG-I-01	SOLID	N/A		1.59e+01	5.320	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 AL-I-01	SOLID	N/A		6.57e+02	26.600	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 AS-I-01	SOLID	N/A	<	5.32e+01	53.200	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 B-I-01	SOLID	N/A		2.43e+02	26.600	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 BA-I-01	SOLID	N/A	<	2.66e+01	26.600	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 BE-I-01	SOLID	N/A	<	2.66e+00	2.660	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 BI-I-01	SOLID	N/A	<	5.32e+01	53.200	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 CA-I-01	SOLID	N/A	<	5.32e+01	53.200	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 CD-I-01	SOLID	N/A	<	2.66e+00	2.660	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 CE-I-01	SOLID	N/A	<	5.32e+01	53.200	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 CO-I-01	SOLID	N/A	<	1.06e+01	10.600	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 CR-I-01	SOLID	N/A		4.70e+02	5.320	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 CU-I-01	SOLID	N/A	<	5.32e+00	5.320	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 FE-I-01	SOLID	N/A	<	2.66e+01	26.600	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 K-I-01	SOLID	N/A		8.06e+02	266.000	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 LA-I-01	SOLID	N/A	<	2.66e+01	26.600	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 LI-I-01	SOLID	N/A	<	5.32e+00	5.320	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 MG-I-01	SOLID	N/A	<	5.32e+01	53.200	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 MN-I-01	SOLID	N/A	<	5.32e+00	5.320	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 MO-I-01	SOLID	N/A		2.82e+01	26.600	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 NA-I-01	SOLID	N/A		2.24e+05	53.200	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 ND-I-01	SOLID	N/A	<	5.32e+01	53.200	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 NI-I-01	SOLID	N/A	<	1.06e+01	10.600	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 P-I-01	SOLID	N/A		4.63e+04	106.000	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 PB-I-01	SOLID	N/A	<	5.32e+01	53.200	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 S-I-01	SOLID	N/A		5.79e+03	53.200	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 SB-I-01	SOLID	N/A	<	3.19e+01	31.900	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 SE-I-01	SOLID	N/A	<	5.32e+01	53.200	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 SI-I-01	SOLID	N/A		1.10e+03	26.600	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 SM-I-01	SOLID	N/A	<	5.32e+01	53.200	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 SR-I-01	SOLID	N/A	<	5.32e+00	5.320	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 TI-I-01	SOLID	N/A	<	5.32e+00	5.320	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 TL-I-01	SOLID	N/A	<	1.06e+02	106.000	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 U-I-01	SOLID	N/A	<	2.66e+02	266.000	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 V-I-01	SOLID	N/A		4.17e+01	26.600	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 ZN-I-01	SOLID	N/A		1.18e+01	5.320	ug/g
17	SAMPLE	S96T003195	0	I	@ICP-I01 ZR-I-01	SOLID	N/A	<	5.32e+00	5.320	ug/g

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LABCORE Completed Worklist Report for Worklist# 10023

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
18	DUP	S96T003195	0	I	@ICP-I01 AG-I-01	SOLID	1.59e+01	1.61e+01	1.250	RPD
18	DUP	S96T003195	0	I	@ICP-I01 AL-I-01	SOLID	6.57e+02	7.47e+03	167.663	RPD
18	DUP	S96T003195	0	I	@ICP-I01 AS-I-01	SOLID	<5.32e1	<4.96e1		RPD
18	DUP	S96T003195	0	I	@ICP-I01 B-I-01	SOLID	2.43e+02	2.91e+02	17.978	RPD
18	DUP	S96T003195	0	I	@ICP-I01 BA-I-01	SOLID	<2.66e1	<2.48e1		RPD
18	DUP	S96T003195	0	I	@ICP-I01 BE-I-01	SOLID	<2.66e0	<2.48e0		RPD
18	DUP	S96T003195	0	I	@ICP-I01 BI-I-01	SOLID	<5.32e1	<4.96e1		RPD
18	DUP	S96T003195	0	I	@ICP-I01 CA-I-01	SOLID	<5.32e1	<4.96e1		RPD
18	DUP	S96T003195	0	I	@ICP-I01 CD-I-01	SOLID	<2.66e0	<2.48e0		RPD
18	DUP	S96T003195	0	I	@ICP-I01 CE-I-01	SOLID	<5.32e1	<4.96e1		RPD
18	DUP	S96T003195	0	I	@ICP-I01 CO-I-01	SOLID	<1.06e1	<9.92e0		RPD
18	DUP	S96T003195	0	I	@ICP-I01 CR-I-01	SOLID	4.70e+02	4.73e+02	0.636	RPD
18	DUP	S96T003195	0	I	@ICP-I01 CU-I-01	SOLID	<5.32e0	<4.96e0		RPD
18	DUP	S96T003195	0	I	@ICP-I01 FE-I-01	SOLID	<2.66e1	<2.48e1		RPD
18	DUP	S96T003195	0	I	@ICP-I01 K-I-01	SOLID	8.06e+02	7.36e+02	9.079	RPD
18	DUP	S96T003195	0	I	@ICP-I01 LA-I-01	SOLID	<2.66e1	<2.48e1		RPD
18	DUP	S96T003195	0	I	@ICP-I01 LI-I-01	SOLID	<5.32e0	<4.96e0		RPD
18	DUP	S96T003195	0	I	@ICP-I01 MG-I-01	SOLID	<5.32e1	<4.96e1		RPD
18	DUP	S96T003195	0	I	@ICP-I01 MN-I-01	SOLID	<5.32e0	<4.96e0		RPD
18	DUP	S96T003195	0	I	@ICP-I01 MO-I-01	SOLID	2.82e+01	2.91e+01	3.141	RPD
18	DUP	S96T003195	0	I	@ICP-I01 NA-I-01	SOLID	2.24e+05	2.26e+05	0.889	RPD
18	DUP	S96T003195	0	I	@ICP-I01 ND-I-01	SOLID	<5.32e1	<4.96e1		RPD
18	DUP	S96T003195	0	I	@ICP-I01 NI-I-01	SOLID	<1.06e1	<9.92e0		RPD
18	DUP	S96T003195	0	I	@ICP-I01 P-I-01	SOLID	4.63e+04	5.02e+04	8.083	RPD
18	DUP	S96T003195	0	I	@ICP-I01 PB-I-01	SOLID	<5.32e1	<4.96e1		RPD
18	DUP	S96T003195	0	I	@ICP-I01 S-I-01	SOLID	5.79e+03	5.68e+03	1.918	RPD
18	DUP	S96T003195	0	I	@ICP-I01 SB-I-01	SOLID	<3.19e1	<2.98e1		RPD
18	DUP	S96T003195	0	I	@ICP-I01 SE-I-01	SOLID	<5.32e1	<4.96e1		RPD
18	DUP	S96T003195	0	I	@ICP-I01 SI-I-01	SOLID	1.10e+03	1.01e+03	8.531	RPD
18	DUP	S96T003195	0	I	@ICP-I01 SM-I-01	SOLID	<5.32e1	<4.96e1		RPD
18	DUP	S96T003195	0	I	@ICP-I01 SR-I-01	SOLID	<5.32e0	<4.96e0		RPD
18	DUP	S96T003195	0	I	@ICP-I01 TL-I-01	SOLID	<1.06e2	<9.92e1		RPD
18	DUP	S96T003195	0	I	@ICP-I01 U-I-01	SOLID	<2.66e2	<2.48e2		RPD
18	DUP	S96T003195	0	I	@ICP-I01 V-I-01	SOLID	4.17e+01	4.15e+01	0.481	RPD
18	DUP	S96T003195	0	I	@ICP-I01 ZN-I-01	SOLID	1.18e+01	1.07e+01	9.778	RPD
18	DUP	S96T003195	0	I	@ICP-I01 ZR-I-01	SOLID	<5.32e0	<4.96e0		RPD
18	DUP	S96T003195	0	I	@ICP-I01 TI-I-01	SOLID	<5.32e0	<4.96e0		RPD
19	SPK	S96T003195	0	I	@ICP-I01 AG-I-01	SOLID	1	0.958	95.800	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01 AL-I-01	SOLID	1	11.005	1100.500	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01 AS-I-01	SOLID	1	1.060	106.000	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01 B-I-01	SOLID	1	1.002	100.200	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01 BA-I-01	SOLID	1	0.988	98.800	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01 BE-I-01	SOLID	1	1.040	104.000	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01 BI-I-01	SOLID	1	1.020	102.000	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01 CA-I-01	SOLID	1	1.076	107.600	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01 CD-I-01	SOLID	1	0.984	98.400	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01 CE-I-01	SOLID	1	1.036	103.600	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01 CO-I-01	SOLID	1	0.988	98.800	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01 CR-I-01	SOLID	1	1.000	100.000	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10023

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
19	SPK	S96T003195	0	I	@ICP-I01	CU-I-01	SOLID	1	1.064	106.400	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	FE-I-01	SOLID	1	1.016	101.600	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	K-I-01	SOLID	1	0.969	96.900	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	LA-I-01	SOLID	1	1.012	101.200	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	LI-I-01	SOLID	1	1.036	103.600	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	MG-I-01	SOLID	1	0.968	96.800	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	MN-I-01	SOLID	1	0.948	94.800	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	MO-I-01	SOLID	1	1.003	100.300	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	NA-I-01	SOLID	1	2.404	240.400	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	ND-I-01	SOLID	1	1.024	102.400	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	NI-I-01	SOLID	1	0.980	98.000	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	P-I-01	SOLID	1	9.791	979.100	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	PB-I-01	SOLID	1	0.988	98.800	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	S-I-01	SOLID	1	0.906	90.600	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	SB-I-01	SOLID	1	0.980	98.000	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	SE-I-01	SOLID	1	1.120	112.000	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	SI-I-01	SOLID	1	1.420	142.000	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	SM-I-01	SOLID	1	0.964	96.400	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	SR-I-01	SOLID	1	0.996	99.600	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	TL-I-01	SOLID	1	0.968	96.800	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	U-I-01	SOLID	2	2.024	101.200	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	V-I-01	SOLID	1	0.998	99.800	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	ZN-I-01	SOLID	1	1.010	101.000	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	ZR-I-01	SOLID	1	0.980	98.000	% Recovery
19	SPK	S96T003195	0	I	@ICP-I01	TI-I-01	SOLID	1	0.984	98.400	% Recovery
20	CCV		0		@ICP-QC	AG	QC	5.0	4.93e+00	98.600	% Recovery
20	CCV		0		@ICP-QC	AL	QC	5.0	4.96e+00	99.200	% Recovery
20	CCV		0		@ICP-QC	AS	QC	5.0	5.20e+00	104.000	% Recovery
20	CCV		0		@ICP-QC	B	QC	5.0	5.11e+00	102.200	% Recovery
20	CCV		0		@ICP-QC	BA	QC	5.0	5.02e+00	100.400	% Recovery
20	CCV		0		@ICP-QC	BE	QC	5.0	5.24e+00	104.800	% Recovery
20	CCV		0		@ICP-QC	BI	QC	5.0	5.04e+00	100.800	% Recovery
20	CCV		0		@ICP-QC	CA	QC	5.0	4.97e+00	99.400	% Recovery
20	CCV		0		@ICP-QC	CD	QC	5.0	4.92e+00	98.400	% Recovery
20	CCV		0		@ICP-QC	CE	QC	5.0	5.17e+00	103.400	% Recovery
20	CCV		0		@ICP-QC	CO	QC	5.0	4.95e+00	99.000	% Recovery
20	CCV		0		@ICP-QC	CR	QC	5.0	4.99e+00	99.800	% Recovery
20	CCV		0		@ICP-QC	CU	QC	5.0	5.32e+00	106.400	% Recovery
20	CCV		0		@ICP-QC	FE	QC	5.0	5.06e+00	101.200	% Recovery
20	CCV		0		@ICP-QC	K	QC	5.0	4.65e+00	93.000	% Recovery
20	CCV		0		@ICP-QC	LA	QC	5.0	5.08e+00	101.600	% Recovery
20	CCV		0		@ICP-QC	LI	QC	5.0	5.25e+00	105.000	% Recovery
20	CCV		0		@ICP-QC	MG	QC	5.0	4.98e+00	99.600	% Recovery
20	CCV		0		@ICP-QC	MN	QC	5.0	4.84e+00	96.800	% Recovery
20	CCV		0		@ICP-QC	MO	QC	5.0	4.99e+00	99.800	% Recovery
20	CCV		0		@ICP-QC	NA	QC	5.0	5.07e+00	101.400	% Recovery
20	CCV		0		@ICP-QC	ND	QC	5.0	5.15e+00	103.000	% Recovery
20	CCV		0		@ICP-QC	NI	QC	5.0	4.91e+00	98.200	% Recovery
20	CCV		0		@ICP-QC	P	QC	5.0	5.04e+00	100.800	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10023

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
20	CCV		0		@ICP-QC PB	QC	5.0	4.87e+00	97.400 %	Recovery
20	CCV		0		@ICP-QC S	QC	5.0	4.96e+00	99.200 %	Recovery
20	CCV		0		@ICP-QC SB	QC	5.0	4.82e+00	96.400 %	Recovery
20	CCV		0		@ICP-QC SE	QC	5.0	5.01e+00	100.200 %	Recovery
20	CCV		0		@ICP-QC SI	QC	5.0	5.09e+00	101.800 %	Recovery
20	CCV		0		@ICP-QC SM	QC	5.0	4.98e+00	99.600 %	Recovery
20	CCV		0		@ICP-QC SR	QC	5.0	5.02e+00	100.400 %	Recovery
20	CCV		0		@ICP-QC TI	QC	5.0	4.94e+00	98.800 %	Recovery
20	CCV		0		@ICP-QC TL	QC	5.0	4.83e+00	96.600 %	Recovery
20	CCV		0		@ICP-QC U	QC	10.	9.92e+00	99.200 %	Recovery
20	CCV		0		@ICP-QC V	QC	5.0	5.00e+00	100.000 %	Recovery
20	CCV		0		@ICP-QC ZN	QC	5.0	5.00e+00	100.000 %	Recovery
20	CCV		0		@ICP-QC ZR	QC	5.0	4.94e+00	98.800 %	Recovery
21	CCB		0		@ICP-QC AG	QC	1	<1.00e-2		ug/g
21	CCB		0		@ICP-QC AL	QC	1	<5.00e-2		ug/g
21	CCB		0		@ICP-QC AS	QC	1	<1.00e-1		ug/g
21	CCB		0		@ICP-QC B	QC	1	<5.00e-2		ug/g
21	CCB		0		@ICP-QC BA	QC	1	<5.00e-2		ug/g
21	CCB		0		@ICP-QC BE	QC	1	<5.00e-3		ug/g
21	CCB		0		@ICP-QC BI	QC	1	<1.00e-1		ug/g
21	CCB		0		@ICP-QC CA	QC	1	<1.00e-1		ug/g
21	CCB		0		@ICP-QC CD	QC	1	<5.00e-3		ug/g
21	CCB		0		@ICP-QC CE	QC	1	<1.00e-1		ug/g
21	CCB		0		@ICP-QC CO	QC	1	<2.00e-2		ug/g
21	CCB		0		@ICP-QC CR	QC	1	<1.00e-2		ug/g
21	CCB		0		@ICP-QC CU	QC	1	<1.00e-2		ug/g
21	CCB		0		@ICP-QC FE	QC	1	<5.00e-2		ug/g
21	CCB		0		@ICP-QC K	QC	1	<5.00e-1		ug/g
21	CCB		0		@ICP-QC LA	QC	1	<5.00e-2		ug/g
21	CCB		0		@ICP-QC LI	QC	1	<1.00e-2		ug/g
21	CCB		0		@ICP-QC MG	QC	1	<1.00e-1		ug/g
21	CCB		0		@ICP-QC MN	QC	1	<1.00e-2		ug/g
21	CCB		0		@ICP-QC MO	QC	1	<5.00e-2		ug/g
21	CCB		0		@ICP-QC NA	QC	1	<1.00e-1		ug/g
21	CCB		0		@ICP-QC ND	QC	1	<1.00e-1		ug/g
21	CCB		0		@ICP-QC NI	QC	1	<2.00e-2		ug/g
21	CCB		0		@ICP-QC P	QC	1	<2.00e-1		ug/g
21	CCB		0		@ICP-QC PB	QC	1	<1.00e-1		ug/g
21	CCB		0		@ICP-QC S	QC	1	<1.00e-1		ug/g
21	CCB		0		@ICP-QC SB	QC	1	<6.00e-2		ug/g
21	CCB		0		@ICP-QC SE	QC	1	<1.00e-1		ug/g
21	CCB		0		@ICP-QC SI	QC	1	9.52e-02	0.095	ug/g
21	CCB		0		@ICP-QC SM	QC	1	<1.00e-1		ug/g
21	CCB		0		@ICP-QC SR	QC	1	<1.00e-2		ug/g
21	CCB		0		@ICP-QC TI	QC	1	<1.00e-2		ug/g
21	CCB		0		@ICP-QC TL	QC	1	<2.00e-1		ug/g
21	CCB		0		@ICP-QC U	QC	1	<5.00e-1		ug/g
21	CCB		0		@ICP-QC V	QC	1	<5.00e-2		ug/g
21	CCB		0		@ICP-QC ZN	QC	1	<1.00e-2		ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10023

Seq	Type	Sample#	R	A	Test	Matrix	Actual		Found	DL or Yield	Unit
21	CCB		0		@ICP-QC ZR	QC	1		<1.00e-2		ug/g
22	PREPBLKTJA		0		@ICP-I01 AG-I-01	SOLID	1		<1.00e-2		ug/g
22	PREPBLKTJA		0		@ICP-I01 AL-I-01	SOLID	1		1.55e-01	0.155	ug/g
22	PREPBLKTJA		0		@ICP-I01 AS-I-01	SOLID	1		<1.00e-1		ug/g
22	PREPBLKTJA		0		@ICP-I01 B-I-01	SOLID	1		2.09e+00	2.090	ug/g
22	PREPBLKTJA		0		@ICP-I01 BA-I-01	SOLID	1		<5.00e-2		ug/g
22	PREPBLKTJA		0		@ICP-I01 BE-I-01	SOLID	1		<5.00e-3		ug/g
22	PREPBLKTJA		0		@ICP-I01 BI-I-01	SOLID	1		<1.00e-1		ug/g
22	PREPBLKTJA		0		@ICP-I01 CA-I-01	SOLID	1		<1.00e-1		ug/g
22	PREPBLKTJA		0		@ICP-I01 CD-I-01	SOLID	1		<5.00e-3		ug/g
22	PREPBLKTJA		0		@ICP-I01 CE-I-01	SOLID	1		<1.00e-1		ug/g
22	PREPBLKTJA		0		@ICP-I01 CO-I-01	SOLID	1		<2.00e-2		ug/g
22	PREPBLKTJA		0		@ICP-I01 CR-I-01	SOLID	1		<1.00e-2		ug/g
22	PREPBLKTJA		0		@ICP-I01 CU-I-01	SOLID	1		1.04e-02	0.010	ug/g
22	PREPBLKTJA		0		@ICP-I01 FE-I-01	SOLID	1		<5.00e-2		ug/g
22	PREPBLKTJA		0		@ICP-I01 K-I-01	SOLID	1		<5.00e-1		ug/g
22	PREPBLKTJA		0		@ICP-I01 LA-I-01	SOLID	1		<5.00e-2		ug/g
22	PREPBLKTJA		0		@ICP-I01 LI-I-01	SOLID	1		<1.00e-2		ug/g
22	PREPBLKTJA		0		@ICP-I01 MG-I-01	SOLID	1		<1.00e-1		ug/g
22	PREPBLKTJA		0		@ICP-I01 MN-I-01	SOLID	1		<1.00e-2		ug/g
22	PREPBLKTJA		0		@ICP-I01 MO-I-01	SOLID	1		<5.00e-2		ug/g
22	PREPBLKTJA		0		@ICP-I01 NA-I-01	SOLID	1		2.46e+00	2.460	ug/g
22	PREPBLKTJA		0		@ICP-I01 ND-I-01	SOLID	1		<1.00e-1		ug/g
22	PREPBLKTJA		0		@ICP-I01 NI-I-01	SOLID	1		<2.00e-2		ug/g
22	PREPBLKTJA		0		@ICP-I01 P-I-01	SOLID	1		<2.00e-1		ug/g
22	PREPBLKTJA		0		@ICP-I01 PB-I-01	SOLID	1		<1.00e-1		ug/g
22	PREPBLKTJA		0		@ICP-I01 S-I-01	SOLID	1		<1.00e-1		ug/g
22	PREPBLKTJA		0		@ICP-I01 SB-I-01	SOLID	1		<6.00e-2		ug/g
22	PREPBLKTJA		0		@ICP-I01 SE-I-01	SOLID	1		<1.00e-1		ug/g
22	PREPBLKTJA		0		@ICP-I01 SI-I-01	SOLID	1		5.41e-01	0.541	ug/g
22	PREPBLKTJA		0		@ICP-I01 SM-I-01	SOLID	1		<1.00e-1		ug/g
22	PREPBLKTJA		0		@ICP-I01 SR-I-01	SOLID	1		<1.00e-2		ug/g
22	PREPBLKTJA		0		@ICP-I01 TL-I-01	SOLID	1		<2.00e-1		ug/g
22	PREPBLKTJA		0		@ICP-I01 U-I-01	SOLID	1		<5.00e-1		ug/g
22	PREPBLKTJA		0		@ICP-I01 V-I-01	SOLID	1		<5.00e-2		ug/g
22	PREPBLKTJA		0		@ICP-I01 ZN-I-01	SOLID	1		<1.00e-2		ug/g
22	PREPBLKTJA		0		@ICP-I01 ZR-I-01	SOLID	1		<1.00e-2		ug/g
22	PREPBLKTJA		0		@ICP-I01 TI-I-01	SOLID	1		<1.00e-2		ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 AG-I-01	SOLID	N/A		1.69e+01	5.740	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 AL-I-01	SOLID	N/A		9.86e+02	28.700	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 AS-I-01	SOLID	N/A	<	5.74e+01	57.400	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 B-I-01	SOLID	N/A		3.59e+02	28.700	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 BA-I-01	SOLID	N/A	<	2.87e+01	28.700	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 BE-I-01	SOLID	N/A	<	2.87e+00	2.870	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 BI-I-01	SOLID	N/A	<	5.74e+01	57.400	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 CA-I-01	SOLID	N/A	<	5.74e+01	57.400	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 CD-I-01	SOLID	N/A	<	2.87e+00	2.870	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 CE-I-01	SOLID	N/A	<	5.74e+01	57.400	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 CO-I-01	SOLID	N/A	<	1.15e+01	11.500	ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10023

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
23	SAMPLE	S96T003196	0	I	@ICP-I01 CR-I-01	SOLID	N/A	4.31e+02	5.740	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 CU-I-01	SOLID	N/A <	5.74e+00	5.740	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 FE-I-01	SOLID	N/A <	2.87e+01	28.700	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 K-I-01	SOLID	N/A	7.47e+02	287.000	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 LA-I-01	SOLID	N/A <	2.87e+01	28.700	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 LI-I-01	SOLID	N/A <	5.74e+00	5.740	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 MG-I-01	SOLID	N/A <	5.74e+01	57.400	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 MN-I-01	SOLID	N/A <	5.74e+00	5.740	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 MO-I-01	SOLID	N/A <	2.87e+01	28.700	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 NA-I-01	SOLID	N/A	2.32e+05	57.400	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 ND-I-01	SOLID	N/A <	5.74e+01	57.400	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 NI-I-01	SOLID	N/A <	1.15e+01	11.500	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 P-I-01	SOLID	N/A	5.18e+04	115.000	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 PB-I-01	SOLID	N/A <	5.74e+01	57.400	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 S-I-01	SOLID	N/A	4.69e+03	57.400	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 SB-I-01	SOLID	N/A <	3.44e+01	34.400	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 SE-I-01	SOLID	N/A <	5.74e+01	57.400	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 SI-I-01	SOLID	N/A	6.70e+02	28.700	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 SM-I-01	SOLID	N/A <	5.74e+01	57.400	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 SR-I-01	SOLID	N/A <	5.74e+00	5.740	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 TI-I-01	SOLID	N/A <	5.74e+00	5.740	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 TL-I-01	SOLID	N/A <	1.15e+02	115.000	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 U-I-01	SOLID	N/A <	2.87e+02	287.000	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 V-I-01	SOLID	N/A	4.65e+01	28.700	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 ZN-I-01	SOLID	N/A	1.00e+01	5.740	ug/g
23	SAMPLE	S96T003196	0	I	@ICP-I01 ZR-I-01	SOLID	N/A <	5.74e+00	5.740	ug/g
24	DUP	S96T003196	0	I	@ICP-I01 AG-I-01	SOLID	1.69e+01	1.66e+01	1.791	RPD
24	DUP	S96T003196	0	I	@ICP-I01 AL-I-01	SOLID	9.86e+02	1.50e+03	41.352	RPD
24	DUP	S96T003196	0	I	@ICP-I01 AS-I-01	SOLID	<5.74e1	<5.50e1		RPD
24	DUP	S96T003196	0	I	@ICP-I01 B-I-01	SOLID	3.59e+02	3.28e+02	9.025	RPD
24	DUP	S96T003196	0	I	@ICP-I01 BA-I-01	SOLID	<2.87e1	<2.75e1		RPD
24	DUP	S96T003196	0	I	@ICP-I01 BE-I-01	SOLID	<2.87e0	<2.75e0		RPD
24	DUP	S96T003196	0	I	@ICP-I01 BI-I-01	SOLID	<5.74e1	<5.50e1		RPD
24	DUP	S96T003196	0	I	@ICP-I01 CA-I-01	SOLID	<5.74e1	<5.50e1		RPD
24	DUP	S96T003196	0	I	@ICP-I01 CD-I-01	SOLID	<2.87e0	<2.75e0		RPD
24	DUP	S96T003196	0	I	@ICP-I01 CE-I-01	SOLID	<5.74e1	<5.50e1		RPD
24	DUP	S96T003196	0	I	@ICP-I01 CO-I-01	SOLID	<1.15e1	<1.10e1		RPD
24	DUP	S96T003196	0	I	@ICP-I01 CR-I-01	SOLID	4.31e+02	4.99e+02	14.624	RPD
24	DUP	S96T003196	0	I	@ICP-I01 CU-I-01	SOLID	<5.74e0	<5.50e0		RPD
24	DUP	S96T003196	0	I	@ICP-I01 FE-I-01	SOLID	<2.87e1	<2.75e1		RPD
24	DUP	S96T003196	0	I	@ICP-I01 K-I-01	SOLID	7.47e+02	7.92e+02	5.848	RPD
24	DUP	S96T003196	0	I	@ICP-I01 LA-I-01	SOLID	<2.87e1	<2.75e1		RPD
24	DUP	S96T003196	0	I	@ICP-I01 LI-I-01	SOLID	<5.74e0	<5.50e0		RPD
24	DUP	S96T003196	0	I	@ICP-I01 MG-I-01	SOLID	<5.74e1	<5.50e1		RPD
24	DUP	S96T003196	0	I	@ICP-I01 MN-I-01	SOLID	<5.74e0	<5.50e0		RPD
24	DUP	S96T003196	0	I	@ICP-I01 MO-I-01	SOLID	<2.87e1	2.83e+01		RPD
24	DUP	S96T003196	0	I	@ICP-I01 NA-I-01	SOLID	2.32e+05	2.33e+05	0.430	RPD
24	DUP	S96T003196	0	I	@ICP-I01 ND-I-01	SOLID	<5.74e1	<5.50e1		RPD
24	DUP	S96T003196	0	I	@ICP-I01 NI-I-01	SOLID	<1.15e1	<1.10e1		RPD

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10023

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
24	DUP	S96T003196	0	I	@ICP-I01	P-I-01	SOLID	5.18e+04	5.20e+04	0.385	RPD
24	DUP	S96T003196	0	I	@ICP-I01	PB-I-01	SOLID	<5.74e1	<5.50e1		RPD
24	DUP	S96T003196	0	I	@ICP-I01	S-I-01	SOLID	4.69e+03	4.56e+03	2.811	RPD
24	DUP	S96T003196	0	I	@ICP-I01	SB-I-01	SOLID	<3.44e1	<3.30e1		RPD
24	DUP	S96T003196	0	I	@ICP-I01	SE-I-01	SOLID	<5.74e1	<5.50e1		RPD
24	DUP	S96T003196	0	I	@ICP-I01	SI-I-01	SOLID	6.70e+02	7.02e+02	4.665	RPD
24	DUP	S96T003196	0	I	@ICP-I01	SM-I-01	SOLID	<5.74e1	<5.50e1		RPD
24	DUP	S96T003196	0	I	@ICP-I01	SR-I-01	SOLID	<5.74e0	<5.50e0		RPD
24	DUP	S96T003196	0	I	@ICP-I01	TL-I-01	SOLID	<1.15e2	<1.10e2		RPD
24	DUP	S96T003196	0	I	@ICP-I01	U-I-01	SOLID	<2.87e2	<2.75e2		RPD
24	DUP	S96T003196	0	I	@ICP-I01	V-I-01	SOLID	4.65e+01	4.68e+01	0.643	RPD
24	DUP	S96T003196	0	I	@ICP-I01	ZN-I-01	SOLID	1.00e+01	1.15e+01	13.953	RPD
24	DUP	S96T003196	0	I	@ICP-I01	ZR-I-01	SOLID	<5.74e0	<5.50e0		RPD
24	DUP	S96T003196	0	I	@ICP-I01	TI-I-01	SOLID	<5.74e0	<5.50e0		RPD
25	SPK	S96T003196	0	I	@ICP-I01	AG-I-01	SOLID	1	0.966	96.600	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	AL-I-01	SOLID	1	2.322	232.200	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	AS-I-01	SOLID	1	1.076	107.600	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	B-I-01	SOLID	1	1.018	101.800	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	BA-I-01	SOLID	1	1.024	102.400	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	BE-I-01	SOLID	1	1.056	105.600	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	BI-I-01	SOLID	1	1.016	101.600	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	CA-I-01	SOLID	1	1.016	101.600	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	CD-I-01	SOLID	1	0.992	99.200	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	CE-I-01	SOLID	1	1.048	104.800	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	CO-I-01	SOLID	1	1.000	100.000	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	CR-I-01	SOLID	1	1.018	101.800	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	CU-I-01	SOLID	1	1.096	109.600	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	FE-I-01	SOLID	1	1.028	102.800	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	K-I-01	SOLID	1	1.054	105.400	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	LA-I-01	SOLID	1	1.048	104.800	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	LI-I-01	SOLID	1	1.084	108.400	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	MG-I-01	SOLID	1	1.000	100.000	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	MN-I-01	SOLID	1	0.960	96.000	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	MO-I-01	SOLID	1	1.064	106.400	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	NA-I-01	SOLID	1	7.660	766.000	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	ND-I-01	SOLID	1	1.064	106.400	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	NI-I-01	SOLID	1	0.984	98.400	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	P-I-01	SOLID	1	2.025	202.500	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	PB-I-01	SOLID	1	0.988	98.800	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	S-I-01	SOLID	1	0.946	94.600	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	SB-I-01	SOLID	1	0.996	99.600	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	SE-I-01	SOLID	1	1.116	111.600	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	SI-I-01	SOLID	1	1.181	118.100	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	SM-I-01	SOLID	1	0.980	98.000	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	SR-I-01	SOLID	1	1.028	102.800	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	TL-I-01	SOLID	1	0.984	98.400	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	U-I-01	SOLID	2	1.992	99.600	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	V-I-01	SOLID	1	1.019	101.900	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	ZN-I-01	SOLID	1	1.018	101.800	% Recovery

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LABCORE Completed Worklist Report for Worklist# 10023

Seq	Type	Sample#	R	A		Test	Matrix	Actual	Found	DL or Yield	Unit
25	SPK	S96T003196	0	I	@ICP-I01	ZR-I-01	SOLID	1	1.000	100.000	% Recovery
25	SPK	S96T003196	0	I	@ICP-I01	TI-I-01	SOLID	1	1.008	100.800	% Recovery
26	ICSA		0		@ICP-QC	AG	QC	1	<1.00e-2		ug/g
26	ICSA		0		@ICP-QC	AL	QC	250	2.50e+02	100.000	% Recovery
26	ICSA		0		@ICP-QC	AS	QC	1.0	<1.00e-1		ug/g
26	ICSA		0		@ICP-QC	B	QC	1	<5.00e-2		ug/g
26	ICSA		0		@ICP-QC	BA	QC	1	<5.00e-2		ug/g
26	ICSA		0		@ICP-QC	BE	QC	1	<5.00e-3		ug/g
26	ICSA		0		@ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
26	ICSA		0		@ICP-QC	CA	QC	250	2.48e+02	99.200	% Recovery
26	ICSA		0		@ICP-QC	CD	QC	1	<5.00e-3		ug/g
26	ICSA		0		@ICP-QC	CE	QC	1	<1.00e-1		ug/g
26	ICSA		0		@ICP-QC	CO	QC	1	<2.00e-2		ug/g
26	ICSA		0		@ICP-QC	CR	QC	1	<1.00e-2		ug/g
26	ICSA		0		@ICP-QC	CU	QC	1	<1.00e-2		ug/g
26	ICSA		0		@ICP-QC	FE	QC	100	9.54e+01	95.400	% Recovery
26	ICSA		0		@ICP-QC	K	QC	1	<5.00e-1		ug/g
26	ICSA		0		@ICP-QC	LA	QC	1.0	<5.00e-2		ug/g
26	ICSA		0		@ICP-QC	LI	QC	1	<1.00e-2		ug/g
26	ICSA		0		@ICP-QC	MG	QC	250	2.59e+02	103.600	% Recovery
26	ICSA		0		@ICP-QC	MN	QC	1.0	<1.00e-2		ug/g
26	ICSA		0		@ICP-QC	MO	QC	1	<5.00e-2		ug/g
26	ICSA		0		@ICP-QC	NA	QC	200	2.08e+02	104.000	% Recovery
26	ICSA		0		@ICP-QC	ND	QC	1	<1.00e-1		ug/g
26	ICSA		0		@ICP-QC	NI	QC	1	<2.00e-2		ug/g
26	ICSA		0		@ICP-QC	P	QC	1.0	<2.00e-1		ug/g
26	ICSA		0		@ICP-QC	PB	QC	1	<1.00e-1		ug/g
26	ICSA		0		@ICP-QC	S	QC	1.0	<1.00e-1		ug/g
26	ICSA		0		@ICP-QC	SB	QC	1	<6.00e-2		ug/g
26	ICSA		0		@ICP-QC	SE	QC	1	<1.00e-1		ug/g
26	ICSA		0		@ICP-QC	SI	QC	1	7.14e-02	0.071	ug/g
26	ICSA		0		@ICP-QC	SM	QC	1	<1.00e-1		ug/g
26	ICSA		0		@ICP-QC	SR	QC	1	<1.00e-2		ug/g
26	ICSA		0		@ICP-QC	TI	QC	1	<1.00e-2		ug/g
26	ICSA		0		@ICP-QC	TL	QC	1.0	<2.00e-1		ug/g
26	ICSA		0		@ICP-QC	U	QC	1	<5.00e-1		ug/g
26	ICSA		0		@ICP-QC	V	QC	1	<5.00e-2		ug/g
26	ICSA		0		@ICP-QC	ZN	QC	1.0	<1.00e-2		ug/g
26	ICSA		0		@ICP-QC	ZR	QC	1	<1.00e-2		ug/g
27	ICSAB		0		@ICP-QC	AG	QC	1.0	9.94e-01	99.400	% Recovery
27	ICSAB		0		@ICP-QC	AL	QC	250	2.51e+02	100.400	% Recovery
27	ICSAB		0		@ICP-QC	AS	QC	1.0	<1.00e-1		ug/g
27	ICSAB		0		@ICP-QC	B	QC	1.0	<5.00e-2		ug/g
27	ICSAB		0		@ICP-QC	BA	QC	0.5	5.03e-01	100.600	% Recovery
27	ICSAB		0		@ICP-QC	BE	QC	0.5	5.04e-01	100.800	% Recovery
27	ICSAB		0		@ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
27	ICSAB		0		@ICP-QC	CA	QC	250	2.48e+02	99.200	% Recovery
27	ICSAB		0		@ICP-QC	CD	QC	1.0	9.52e-01	95.200	% Recovery
27	ICSAB		0		@ICP-QC	CE	QC	1.0	<1.00e-1		ug/g

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LABCORE Completed Worklist Report for Worklist# 10023

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
27	ICSAB		0	@ICP-QC	CO	QC	0.5	4.69e-01	93.800	% Recovery
27	ICSAB		0	@ICP-QC	CR	QC	0.5	4.89e-01	97.800	% Recovery
27	ICSAB		0	@ICP-QC	CU	QC	0.5	5.22e-01	104.400	% Recovery
27	ICSAB		0	@ICP-QC	FE	QC	100	9.52e+01	95.200	% Recovery
27	ICSAB		0	@ICP-QC	K	QC	1.0	<5.00e-1		ug/g
27	ICSAB		0	@ICP-QC	LA	QC	1.0	<5.00e-2		ug/g
27	ICSAB		0	@ICP-QC	LI	QC	1.0	1.06e+00	106.000	% Recovery
27	ICSAB		0	@ICP-QC	MG	QC	250	2.60e+02	104.000	% Recovery
27	ICSAB		0	@ICP-QC	MN	QC	0.5	4.52e-01	90.400	% Recovery
27	ICSAB		0	@ICP-QC	MO	QC	1.0	<5.00e-2		ug/g
27	ICSAB		0	@ICP-QC	NA	QC	200	2.07e+02	103.500	% Recovery
27	ICSAB		0	@ICP-QC	ND	QC	1.0	<1.00e-1		ug/g
27	ICSAB		0	@ICP-QC	NI	QC	1.0	9.32e-01	93.200	% Recovery
27	ICSAB		0	@ICP-QC	P	QC	1.0	<2.00e-1		ug/g
27	ICSAB		0	@ICP-QC	PB	QC	1.0	1.00e+00	100.000	% Recovery
27	ICSAB		0	@ICP-QC	S	QC	1.0	<1.00e-1		ug/g
27	ICSAB		0	@ICP-QC	SB	QC	1.0	<6.00e-2		ug/g
27	ICSAB		0	@ICP-QC	SE	QC	1.0	<1.00e-1		ug/g
27	ICSAB		0	@ICP-QC	SI	QC	1.0	<5.00e-2		ug/g
27	ICSAB		0	@ICP-QC	SM	QC	1.0	<1.00e-1		ug/g
27	ICSAB		0	@ICP-QC	SR	QC	1.0	<1.00e-2		ug/g
27	ICSAB		0	@ICP-QC	TI	QC	1.0	<1.00e-2		ug/g
27	ICSAB		0	@ICP-QC	TL	QC	1.0	<2.00e-1		ug/g
27	ICSAB		0	@ICP-QC	U	QC	1.0	<5.00e-1		ug/g
27	ICSAB		0	@ICP-QC	V	QC	0.5	4.74e-01	94.800	% Recovery
27	ICSAB		0	@ICP-QC	ZN	QC	1.0	9.80e-01	98.000	% Recovery
27	ICSAB		0	@ICP-QC	ZR	QC	1.0	<1.00e-2		ug/g
28	CCV		0	@ICP-QC	AG	QC	5.0	5.01e+00	100.200	% Recovery
28	CCV		0	@ICP-QC	AL	QC	5.0	5.07e+00	101.400	% Recovery
28	CCV		0	@ICP-QC	AS	QC	5.0	5.27e+00	105.400	% Recovery
28	CCV		0	@ICP-QC	B	QC	5.0	5.20e+00	104.000	% Recovery
28	CCV		0	@ICP-QC	BA	QC	5.0	5.18e+00	103.600	% Recovery
28	CCV		0	@ICP-QC	BE	QC	5.0	5.34e+00	106.800	% Recovery
28	CCV		0	@ICP-QC	BI	QC	5.0	5.23e+00	104.600	% Recovery
28	CCV		0	@ICP-QC	CA	QC	5.0	5.01e+00	100.200	% Recovery
28	CCV		0	@ICP-QC	CD	QC	5.0	4.96e+00	99.200	% Recovery
28	CCV		0	@ICP-QC	CE	QC	5.0	5.31e+00	106.200	% Recovery
28	CCV		0	@ICP-QC	CO	QC	5.0	5.00e+00	100.000	% Recovery
28	CCV		0	@ICP-QC	CR	QC	5.0	5.05e+00	101.000	% Recovery
28	CCV		0	@ICP-QC	CU	QC	5.0	5.49e+00	109.800	% Recovery
28	CCV		0	@ICP-QC	FE	QC	5.0	5.12e+00	102.400	% Recovery
28	CCV		0	@ICP-QC	K	QC	5.0	4.71e+00	94.200	% Recovery
28	CCV		0	@ICP-QC	LA	QC	5.0	5.23e+00	104.600	% Recovery
28	CCV		0	@ICP-QC	LI	QC	5.0	5.46e+00	109.200	% Recovery
28	CCV		0	@ICP-QC	MG	QC	5.0	5.08e+00	101.600	% Recovery
28	CCV		0	@ICP-QC	MN	QC	5.0	4.91e+00	98.200	% Recovery
28	CCV		0	@ICP-QC	MO	QC	5.0	5.05e+00	101.000	% Recovery
28	CCV		0	@ICP-QC	NA	QC	5.0	5.23e+00	104.600	% Recovery
28	CCV		0	@ICP-QC	ND	QC	5.0	5.32e+00	106.400	% Recovery

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LABCORE Completed Worklist Report for Worklist# 10023

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
28	CCV		0	@ICP-QC	NI	QC	5.0	4.99e+00	99.800	% Recovery
28	CCV		0	@ICP-QC	P	QC	5.0	5.11e+00	102.200	% Recovery
28	CCV		0	@ICP-QC	PB	QC	5.0	4.90e+00	98.000	% Recovery
28	CCV		0	@ICP-QC	S	QC	5.0	4.98e+00	99.600	% Recovery
28	CCV		0	@ICP-QC	SB	QC	5.0	4.87e+00	97.400	% Recovery
28	CCV		0	@ICP-QC	SE	QC	5.0	5.08e+00	101.600	% Recovery
28	CCV		0	@ICP-QC	SI	QC	5.0	4.90e+00	98.000	% Recovery
28	CCV		0	@ICP-QC	SM	QC	5.0	5.13e+00	102.600	% Recovery
28	CCV		0	@ICP-QC	SR	QC	5.0	5.17e+00	103.400	% Recovery
28	CCV		0	@ICP-QC	TI	QC	5.0	5.05e+00	101.000	% Recovery
28	CCV		0	@ICP-QC	TL	QC	5.0	4.89e+00	97.800	% Recovery
28	CCV		0	@ICP-QC	U	QC	10.	1.02e+01	102.000	% Recovery
28	CCV		0	@ICP-QC	V	QC	5.0	5.09e+00	101.800	% Recovery
28	CCV		0	@ICP-QC	ZN	QC	5.0	5.04e+00	100.800	% Recovery
28	CCV		0	@ICP-QC	ZR	QC	5.0	5.04e+00	100.800	% Recovery
29	CCB		0	@ICP-QC	AG	QC	1	<1.00e-2		ug/g
29	CCB		0	@ICP-QC	AL	QC	1	<5.00e-2		ug/g
29	CCB		0	@ICP-QC	AS	QC	1	<1.00e-1		ug/g
29	CCB		0	@ICP-QC	B	QC	1	<5.00e-2		ug/g
29	CCB		0	@ICP-QC	BA	QC	1	<5.00e-2		ug/g
29	CCB		0	@ICP-QC	BE	QC	1	<5.00e-3		ug/g
29	CCB		0	@ICP-QC	BI	QC	1	<1.00e-1		ug/g
29	CCB		0	@ICP-QC	CA	QC	1	<1.00e-1		ug/g
29	CCB		0	@ICP-QC	CD	QC	1	<5.00e-3		ug/g
29	CCB		0	@ICP-QC	CE	QC	1	<1.00e-1		ug/g
29	CCB		0	@ICP-QC	CO	QC	1	<2.00e-2		ug/g
29	CCB		0	@ICP-QC	CR	QC	1	<1.00e-2		ug/g
29	CCB		0	@ICP-QC	CU	QC	1	<1.00e-2		ug/g
29	CCB		0	@ICP-QC	FE	QC	1	<5.00e-2		ug/g
29	CCB		0	@ICP-QC	K	QC	1	<5.00e-1		ug/g
29	CCB		0	@ICP-QC	LA	QC	1	<5.00e-2		ug/g
29	CCB		0	@ICP-QC	LI	QC	1	<1.00e-2		ug/g
29	CCB		0	@ICP-QC	MG	QC	1	<1.00e-1		ug/g
29	CCB		0	@ICP-QC	MN	QC	1	<1.00e-2		ug/g
29	CCB		0	@ICP-QC	MO	QC	1	<5.00e-2		ug/g
29	CCB		0	@ICP-QC	NA	QC	1	<1.00e-1		ug/g
29	CCB		0	@ICP-QC	ND	QC	1	<1.00e-1		ug/g
29	CCB		0	@ICP-QC	NI	QC	1	<2.00e-2		ug/g
29	CCB		0	@ICP-QC	P	QC	1	<2.00e-1		ug/g
29	CCB		0	@ICP-QC	PB	QC	1	<1.00e-1		ug/g
29	CCB		0	@ICP-QC	S	QC	1	<1.00e-1		ug/g
29	CCB		0	@ICP-QC	SB	QC	1	<6.00e-2		ug/g
29	CCB		0	@ICP-QC	SE	QC	1	<1.00e-1		ug/g
29	CCB		0	@ICP-QC	SI	QC	1	<5.00e-2		ug/g
29	CCB		0	@ICP-QC	SM	QC	1	<1.00e-1		ug/g
29	CCB		0	@ICP-QC	SR	QC	1	<1.00e-2		ug/g
29	CCB		0	@ICP-QC	TI	QC	1	<1.00e-2		ug/g
29	CCB		0	@ICP-QC	TL	QC	1	<2.00e-1		ug/g
29	CCB		0	@ICP-QC	U	QC	1	<5.00e-1		ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 10023

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
29	CCB		0	@ICP-QC	V	QC	1	<5.00e-2		ug/g
29	CCB		0	@ICP-QC	ZN	QC	1	<1.00e-2		ug/g
29	CCB		0	@ICP-QC	ZR	QC	1	<1.00e-2		ug/g

Final page for worklist# 10023

Analyst Signature Date

Analyst Signature Date

Reviewer Signature Date

Units shown for QC (BLK/BKG) may not reflect the actual units.

Analysis Report Summary Wed 06-19-96 03:34:39 PM page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	ICV	960619C	ICP2	06/19/96	13:48	BJG	Q	CONC
2	ICB	960619C	ICP2	06/19/96	13:51	BJG	Q	CONC
3	LLS	960619C	ICP2	06/19/96	13:54	BJG	Q	CONC
4	ICSA	960619C	ICP2	06/19/96	13:58	BJG	Q	CONC
5	ICSAB	960619C	ICP2	06/19/96	14:01	BJG	Q	CONC
6	PREPBLKTJA	960619C	ICP2	06/19/96	14:05	BJG	S	CONC
7	S96T003190_L	960619C	ICP2	06/19/96	14:09	BJG	S	CONC
8	S96T003190	960619C	ICP2	06/19/96	14:12	BJG	S	CONC
9	S96T003190_D	960619C	ICP2	06/19/96	14:15	BJG	S	CONC
10	S96T003190_A	960619C	ICP2	06/19/96	14:18	BJG	S	CONC
11	CCV	960619C	ICP2	06/19/96	14:23	BJG	Q	CONC
12	CCB	960619C	ICP2	06/19/96	14:26	BJG	Q	CONC
13	PREPBLKTJA	960619C	ICP2	06/19/96	14:30	BJG	S	CONC
14	S96T003194_L	960619C	ICP2	06/19/96	14:33	BJG	S	CONC
15	S96T003194	960619C	ICP2	06/19/96	14:36	BJG	S	CONC
16	S96T003194_D	960619C	ICP2	06/19/96	14:40	BJG	S	CONC
17	S96T003194_A	960619C	ICP2	06/19/96	14:43	BJG	S	CONC
18	PREPBLKTJA	960619C	ICP2	06/19/96	14:47	BJG	S	CONC
19	S96T003195_L	960619C	ICP2	06/19/96	14:50	BJG	S	CONC
20	S96T003195	960619C	ICP2	06/19/96	14:53	BJG	S	CONC
21	S96T003195_D	960619C	ICP2	06/19/96	14:56	BJG	S	CONC
22	S96T003195_A	960619C	ICP2	06/19/96	14:59	BJG	S	CONC
23	CCV	960619C	ICP2	06/19/96	15:02	BJG	Q	CONC
24	CCB	960619C	ICP2	06/19/96	15:05	BJG	Q	CONC
25	PREPBLKTJA	960619C	ICP2	06/19/96	15:08	BJG	S	CONC
26	S96T003196_L	960619C	ICP2	06/19/96	15:11	BJG	S	CONC
27	S96T003196	960619C	ICP2	06/19/96	15:14	BJG	S	CONC
28	S96T003196_D	960619C	ICP2	06/19/96	15:17	BJG	S	CONC
29	S96T003196_A	960619C	ICP2	06/19/96	15:20	BJG	S	CONC
30	ICSA	960619C	ICP2	06/19/96	15:23	BJG	Q	CONC
31	ICSAB	960619C	ICP2	06/19/96	15:25	BJG	Q	CONC
32	CCV	960619C	ICP2	06/19/96	15:28	BJG	Q	CONC
33	CCB	960619C	ICP2	06/19/96	15:31	BJG	Q	CONC

6-19-96
S-102 H_2O DIGEST
S96T003190, 3194, 3195, 3196
4ml-6ml
FILE # 0960619C.TXT

SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 1288 TO 1293

Analysis Report Averages Wed 06-19-96 03:34:39 PM page 2

#	Sample Name	Ag	Al	As	B	Ba	Be
1	ICV	4.892	4.907	5.155	5.071	4.951	5.204
2	ICB	-.0004	.0091	-.0050	.0043	-.0000	.0003
3	LLS	.0192	.1041	.1831	.1037	.0974	.0107
4	ICSA	.0023	245.3	-.0580	-.0004	.0019	.0005
5	ICSAB	.9791	244.1	-.0751	.0021	.4877	.4941
6	PREPBLKTJA	-.0006	.1291	-.0032	2.353	.0037	.0001
7	S96T003190_L	.0683	49.76	-.2451	2.617	.0035	.0019
8	S96T003190	.0736	49.37	-.1241	2.511	.0044	.0007
9	S96T003190_D	.0782	60.22	-.0951	1.899	.0035	.0007
10	S96T003190_A	2.413	51.83	2.555	5.056	2.460	2.586
11	CCV	4.930	4.916	5.192	5.074	4.938	5.214
12	CCB	-.0007	.0086	-.0078	.0022	.0001	.0003
13	PREPBLKTJA	-.0003	.1481	-.0200	2.491	.0039	.0003
14	S96T003194_L	.0903	63.30	-.1904	1.943	.0024	.0037
15	S96T003194	.0803	63.18	-.1290	1.805	.0030	.0007
16	S96T003194_D	.0808	62.25	-.1473	2.079	.0035	.0004
17	S96T003194_A	2.455	66.11	2.539	4.329	2.455	2.588
18	PREPBLKTJA	.0018	.1583	-.0034	2.470	.0039	.0003
19	S96T003195_L	.0804	3.154	-.0935	1.175	-.0017	.0025
20	S96T003195	.0748	3.088	.0058	1.144	-.0002	.0010
21	S96T003195_D	.0810	37.65	-.0510	1.468	.0021	.0010
22	S96T003195_A	2.470	30.57	2.647	3.651	2.466	2.600
23	CCV	4.930	4.964	5.202	5.114	5.020	5.239
24	CCB	.0002	.0082	-.0181	.0056	.0000	.0003
25	PREPBLKTJA	-.0004	.1550	-.0145	2.091	.0040	.0001
26	S96T003196_L	.0694	4.319	-.0954	1.627	-.0001	.0021
27	S96T003196	.0738	4.295	-.0402	1.564	.0003	.0011
28	S96T003196_D	.0755	6.824	-.0344	1.492	.0006	.0011
29	S96T003196_A	2.490	10.12	2.688	4.113	2.557	2.642
30	ICSA	.0020	250.5	-.0830	.0047	.0018	.0004
31	ICSAB	.9940	251.2	-.1131	.0038	.5028	.5041
32	CCV	5.013	5.070	5.266	5.198	5.182	5.343
33	CCB	.0006	.0113	-.0051	.0104	.0001	.0004

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
1	ICV	5.046	4.939	4.881	5.066	4.919	4.954
2	ICB	-.0072	-.0031	.0001	-.0082	.0013	.0008
3	LLS	.1866	.1956	.0093	.1968	.0403	.0201
4	ICSA	.0054	249.1	.0003	.0189	.0022	.0100
5	ICSAB	.0055	249.3	.9486	.0058	.4698	.4906
6	PREPBLKTJA	.0205	.0837	.0003	.0016	.0009	.0003
7	S96T003190_L	.0615	.2010	-.0006	-.0689	-.0005	.6714
8	S96T003190	-.0052	.2571	.0001	-.0106	.0019	.6716
9	S96T003190_D	-.0600	.2156	.0041	-.0097	-.0006	.6803
10	S96T003190_A	2.518	2.762	2.476	2.539	2.488	3.192
11	CCV	5.027	5.035	4.927	5.078	4.972	5.010
12	CCB	.0145	-.0031	.0008	-.0132	.0008	.0001
13	PREPBLKTJA	.0048	.0485	-.0006	-.0058	.0018	.0021
14	S96T003194_L	.1164	.3388	.0111	-.0206	.0177	.7270
15	S96T003194	-.0187	.2596	.0028	-.0463	.0019	.7093
16	S96T003194_D	-.0365	.2458	.0011	-.0185	.0008	.7133

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#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
17	S96T003194_A	2.584	2.791	2.475	2.541	2.483	3.227
18	PREPBLKTJA	-.0320	.0415	.0003	-.0027	.0009	.0005
19	S96T003195_L	.2886	.0126	.0023	-.1321	.0064	2.199
20	S96T003195	.0337	.0254	.0016	-.0108	.0047	2.211
21	S96T003195_D	.0398	.1754	.0023	-.0250	.0056	2.385
22	S96T003195_A	2.547	2.688	2.459	2.593	2.467	4.712
23	CCV	5.038	4.974	4.915	5.165	4.951	4.993
24	CCB	.0139	-.0041	.0003	-.0052	-.0004	-.0001
25	PREPBLKTJA	.0154	.0391	.0010	-.0032	-.0001	.0015
26	S96T003196_L	-.1511	-.0162	.0040	-.1181	-.0147	1.872
27	S96T003196	-.0103	.0104	.0026	-.0148	.0069	1.876
28	S96T003196_D	-.0464	.0275	.0001	-.0245	.0060	2.272
29	S96T003196_A	2.537	2.543	2.477	2.625	2.496	4.422
30	ICSA	.0133	248.2	-.0010	-.0016	.0020	.0089
31	ICSAB	.0049	247.8	.9519	.0079	.4693	.4889
32	CCV	5.229	5.006	4.959	5.307	5.001	5.048
33	CCB	.0021	-.0059	.0003	-.0087	-.0001	.0004

#	Sample Name	Cu	Eu	Fe	K	La	Li
1	ICV	5.256	-.0038	4.993	4.614	4.992	5.199
2	ICB	.0014	-.0020	.0006	.0151	-.0003	-.0014
3	LLS	.0216	-.0010	.1002	.3766	.0984	.0205
4	ICSA	-.0100	-.0346	94.42	.0355	-.0048	.0012
5	ICSAB	.5023	-.0329	94.16	-.0667	-.0054	1.010
6	PREPBLKTJA	.0034	-.0003	.0057	.0682	-.0006	.0011
7	S96T003190_L	.0172	-.0253	.0038	3.983	-.0028	-.0103
8	S96T003190	.0184	-.0026	.0118	5.139	-.0023	.0006
9	S96T003190_D	.0166	-.0028	.0101	5.099	-.0012	.0015
10	S96T003190_A	2.620	-.0046	2.527	7.446	2.513	2.563
11	CCV	5.239	-.0037	5.044	4.694	4.989	5.151
12	CCB	.0007	-.0015	.0009	-.0732	-.0010	-.0006
13	PREPBLKTJA	.0104	-.0004	.0074	-.0779	.0003	.0013
14	S96T003194_L	.0395	-.0238	.0059	7.921	.0008	-.0147
15	S96T003194	.0156	-.0037	.0084	5.391	-.0045	-.0003
16	S96T003194_D	.0156	-.0046	.0122	5.483	-.0023	-.0009
17	S96T003194_A	2.625	-.0047	2.533	8.065	2.515	2.575
18	PREPBLKTJA	.0122	-.0011	.0082	-.0036	.0002	.0009
19	S96T003195_L	.0251	-.0328	.0027	2.526	-.0148	-.0220
20	S96T003195	.0218	-.0053	.0231	3.788	-.0008	-.0021
21	S96T003195_D	.0227	-.0055	.0317	3.706	-.0024	-.0018
22	S96T003195_A	2.662	-.0072	2.537	6.209	2.530	2.589
23	CCV	5.322	-.0049	5.062	4.654	5.078	5.245
24	CCB	.0007	-.0028	-.0001	-.2357	-.0012	-.0021
25	PREPBLKTJA	.0104	-.0020	.0079	.0819	-.0000	-.0006
26	S96T003196_L	.0113	-.0365	-.0026	1.933	-.0148	-.0294
27	S96T003196	.0146	-.0079	.0167	3.255	.0012	-.0047
28	S96T003196_D	.0173	-.0092	.0171	3.602	-.0023	-.0056
29	S96T003196_A	2.739	-.0111	2.567	5.886	2.615	2.708
30	ICSA	-.0100	-.0306	95.37	.1338	-.0063	.0002
31	ICSAB	.5219	-.0267	95.17	.1467	-.0053	1.062
32	CCV	5.487	-.0056	5.116	4.710	5.233	5.457
33	CCB	.0005	-.0036	.0002	.1536	-.0012	-.0027

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#	Sample Name	Mg	Mn	Mo	Na	Nd	Ni
1	ICV	4.917	4.811	4.946	5.057	5.059	4.890
2	ICB	.0050	-.0004	.0009	-.0131	.0024	.0072
3	LLS	.2002	.0186	.0932	.1997	.1961	.0402
4	ICSA	254.6	-.0073	-.0034	202.7	.0095	.0035
5	ICSAB	253.2	.4495	-.0051	198.5	.0092	.9334
6	PREPBLKTJA	.0136	.0002	.0001	2.791	.0008	.0053
7	S96T003190_L	-.0365	-.0076	.1346	1086.	.0028	.0812
8	S96T003190_	.0067	-.0001	.1450	1062.	.0038	.0382
9	S96T003190_D	-.0200	-.0006	.1728	1103.	-.0018	.0196
10	S96T003190_A	2.437	2.377	2.651	1063.	2.542	2.457
11	CCV	4.948	4.848	4.999	5.012	5.053	4.937
12	CCB	.0007	-.0002	.0023	-.0078	.0011	.0007
13	PREPBLKTJA	.0201	.0002	.0001	2.859	.0015	.0087
14	S96T003194_L	-.0397	-.0061	.1836	1184.	.0170	.0847
15	S96T003194_	-.0124	-.0008	.1720	1170.	-.0030	.0191
16	S96T003194_D	.0029	-.0014	.1723	1167.	-.0007	.0204
17	S96T003194_A	2.460	2.374	2.686	1178.	2.535	2.492
18	PREPBLKTJA	.0068	.0001	-.0017	2.899	-.0007	.0018
19	S96T003195_L	-.0892	-.0072	.1149	1081.	-.0482	.0559
20	S96T003195_	-.0116	.0019	.1326	1054.	-.0022	.0148
21	S96T003195_D	.0063	.0026	.1465	1137.	.0032	.0145
22	S96T003195_A	2.422	2.370	2.641	1064.	2.564	2.446
23	CCV	4.981	4.843	4.986	5.068	5.150	4.914
24	CCB	.0001	-.0009	.0020	-.0217	-.0003	.0055
25	PREPBLKTJA	.0156	-.0002	-.0008	2.463	.0005	.0037
26	S96T003196_L	-.1540	-.0087	.1009	1021.	-.0260	.0825
27	S96T003196_	-.0088	.0006	.1208	1011.	.0050	.0170
28	S96T003196_D	-.0087	.0010	.1286	1060.	-.0023	.0212
29	S96T003196_A	2.501	2.396	2.659	1032.	2.656	2.463
30	ICSA	259.5	-.0080	-.0061	207.9	.0087	-.0066
31	ICSAB	260.0	.4516	-.0123	206.8	.0062	.9320
32	CCV	5.076	4.908	5.053	5.233	5.316	4.993
33	CCB	-.0024	-.0010	.0057	-.0296	.0015	.0016

#	Sample Name	P	Pb	S	Sb	Se	Si
1	ICV	5.037	4.812	4.961	4.763	4.924	4.756
2	ICB	-.0065	-.0122	-.0092	.0128	.0410	.0084
3	LLS	.4107	.1999	.1921	.1050	.2455	.1234
4	ICSA	.0075	.0281	-.0315	.0080	-.0322	.0032
5	ICSAB	.0217	1.026	-.0284	-.0011	-.0229	.0001
6	PREPBLKTJA	.0013	-.0122	.0119	.0043	.0598	.5200
7	S96T003190_L	16.11	-.2015	14.29	.0562	.4290	1.887
8	S96T003190_	16.19	.0241	14.47	.0034	.1364	1.987
9	S96T003190_D	17.21	.0507	15.06	.0104	.1890	1.866
10	S96T003190_A	18.55	2.509	16.90	2.442	2.723	5.238
11	CCV	5.051	4.915	4.953	4.784	4.943	4.887
12	CCB	.0083	-.0211	-.0036	.0037	.0468	.0384
13	PREPBLKTJA	-.0017	.0022	-.0085	.0132	.0536	.6038
14	S96T003194_L	17.31	.0458	15.02	.1093	.5947	2.072
15	S96T003194_	17.73	.0279	15.18	.0101	.1453	1.968
16	S96T003194_D	18.09	.0428	15.24	-.0074	.1510	2.034

#	Sample Name	P	Pb	S	Sb	Se	Si
17	S96T003194_A	20.56	2.534	17.82	2.428	2.707	4.650
18	PREPBLKTJA	-.0017	-.0184	-.0030	.0064	.0509	.5353
19	S96T003195_L	214.9	-.0419	27.00	.0631	.5200	2.428
20	S96T003195	217.5	.0886	27.23	.0192	.1568	5.151
21	S96T003195_D	252.7	.0274	28.63	.0211	.2057	5.099
22	S96T003195_A	242.2	2.469	29.45	2.449	2.798	8.699
23	CCV	5.036	4.868	4.956	4.816	5.009	5.091
24	CCB	.0081	-.0145	-.0080	.0031	.0329	Q.0952
25	PREPBLKTJA	-.0116	-.0148	-.0100	.0115	.0363	.5414
26	S96T003196_L	223.5	-.2652	20.29	.0695	.5155	2.399
27	S96T003196	225.9	-.0109	20.43	.0063	.1548	2.918
28	S96T003196_D	236.7	.0137	20.75	.0247	.1529	3.192
29	S96T003196_A	231.1	2.473	22.78	2.487	2.794	5.869
30	ICSA	.0333	.0107	-.0373	-.0034	-.0376	.0714
31	ICSAB	.0161	1.004	-.0421	.0008	-.0559	.0324
32	CCV	5.109	4.903	4.977	4.871	5.080	4.904
33	CCB	-.0044	-.0083	-.0039	.0135	.0351	.0303

#	Sample Name	Sm	Sr	Th	Ti	Tl	U
1	ICV	4.893	4.942	-.0038	4.847	4.765	9.763
2	ICB	-.0224	-.0003	.0033	.0003	.0297	-.0770
3	LLS	.1877	.0197	-.0004	.0199	.4164	.4591
4	ICSA	-.0172	.0016	.0061	.0014	.0311	.0244
5	ICSAB	-.0145	.0016	.0099	.0012	.0191	.0217
6	PREPBLKTJA	.0004	.0008	.0006	.0017	.0029	.0064
7	S96T003190_L	-.2867	-.0032	.0535	.0003	-.0033	-1.051
8	S96T003190	-.0298	.0005	-.0125	.0005	.0429	.0182
9	S96T003190_D	-.0275	.0003	-.0021	-.0007	.0384	.0216
10	S96T003190_A	2.414	2.475	-.0034	2.455	2.463	4.893
11	CCV	4.886	4.944	-.0044	4.903	4.777	9.752
12	CCB	-.0162	-.0001	.0080	.0003	.0012	-.0634
13	PREPBLKTJA	.0000	.0007	-.0003	.0021	.0098	.0054
14	S96T003194_L	-.2656	-.0032	.1044	.0005	.6034	-.8734
15	S96T003194	-.0415	.0001	-.0113	-.0013	.0541	-.0599
16	S96T003194_D	-.0461	.0005	.0041	.0006	.0303	-.0887
17	S96T003194_A	2.418	2.469	.0019	2.450	2.364	4.859
18	PREPBLKTJA	-.0106	.0006	.0007	.0021	.0362	-.0247
19	S96T003195_L	-.3651	-.0051	.0716	-.0026	.1647	-1.186
20	S96T003195	-.0479	-.0008	.0105	.0000	.0456	-.0412
21	S96T003195_D	-.0599	-.0000	-.0047	.0010	.0627	.1887
22	S96T003195_A	2.406	2.486	-.0007	2.458	2.423	5.056
23	CCV	4.977	5.022	-.0036	4.937	4.832	9.917
24	CCB	-.0348	-.0004	.0077	-.0004	.0231	-.1263
25	PREPBLKTJA	-.0225	.0003	.0025	.0021	.0307	-.0684
26	S96T003196_L	-.4698	-.0064	.0764	-.0055	.2568	-1.510
27	S96T003196	-.0840	-.0012	.0155	-.0012	.0384	-.1422
28	S96T003196_D	-.1111	-.0012	.0144	-.0006	.0494	-.1496
29	S96T003196_A	2.451	2.573	.0021	2.516	2.456	4.983
30	ICSA	-.0357	.0016	.0011	.0011	.0447	-.0019
31	ICSAB	-.0415	.0016	.0123	.0014	.0332	-.0304
32	CCV	5.128	5.175	-.0003	5.048	4.889	10.22
33	CCB	-.0422	-.0005	.0085	.0003	.0207	-.1643

#	Sample Name	V	Y	Zn	Zr
1	ICV	4.956	.0053	4.981	4.859
2	ICB	-.0036	-.0010	-.0001	-.0033
3	LLS	.0991	-.0001	.0211	.0188
4	ICSA	-.0034	.0063	.0022	-.0057
5	ICSAB	.4732	.0063	.9796	-.0061
6	PREPBLKTJA	-.0004	.0001	.0038	-.0004
7	S96T003190_L	-.0537	-.0133	.0543	-.0416
8	S96T003190	-.0011	-.0008	.1139	-.0017
9	S96T003190_D	-.0038	-.0014	.0639	-.0051
10	S96T003190_A	2.495	.0016	2.612	2.447
11	CCV	4.991	.0055	5.037	4.876
12	CCB	-.0029	-.0008	.0002	-.0026
13	PREPBLKTJA	-.0007	-.0001	.0067	-.0003
14	S96T003194_L	-.0542	-.0114	.0736	-.0414
15	S96T003194	-.0050	-.0017	.0705	-.0035
16	S96T003194_D	-.0076	-.0025	.0956	-.0081
17	S96T003194_A	2.484	.0013	2.639	2.443
18	PREPBLKTJA	-.0016	-.0003	.0062	-.0007
19	S96T003195_L	.1301	-.0171	.1830	-.0513
20	S96T003195	.1959	-.0023	.0553	-.0077
21	S96T003195_D	.2092	-.0024	.0541	-.0068
22	S96T003195_A	2.695	.0006	2.578	2.449
23	CCV	5.005	.0050	4.999	4.935
24	CCB	-.0058	-.0014	-.0004	-.0049
25	PREPBLKTJA	-.0043	-.0008	.0060	-.0029
26	S96T003196_L	.1330	-.0180	.1107	-.0642
27	S96T003196	.2027	-.0039	.0438	-.0123
28	S96T003196_D	.2128	-.0048	.0525	-.0147
29	S96T003196_A	2.746	-.0019	2.592	2.502
30	ICSA	-.0078	.0054	.0013	-.0080
31	ICSAB	.4738	.0051	.9800	-.0103
32	CCV	5.092	.0043	5.036	5.043
33	CCB	-.0080	-.0020	.0001	-.0067

LABCORE Data Entry Template for Worklist# 6019

Analyst: JLS2 **Instrument:** CARB2 _____ **Book #** 22N12-A TIC 16N12-E TOC

Method: LA-342-100 Rev/Mod C-0

Worklist Comment: S-102 @TICTOC1. RCJ

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				@TICTOC1 TIC-02	SOLID	1	1.7	N/A	ug/g
		1	BLNK				@TICTOC1 TOC-02	SOLID	1	2.1	N/A	ug/g
		2	STD				@TICTOC1 TIC-02	SOLID	6.02E2	5.58E2	N/A	ug/g
		2	STD				@TICTOC1 TOC-02	SOLID	~~2.99E3~~	2.88E3	N/A	ug/g
96000030	S102	3	SAMPLE	S96T000761	0		@TICTOC1 TIC-02	SOLID	N/A	3.22E3	5.00	ug/g
96000030	S102	3	SAMPLE	S96T000761	0		@TICTOC1 TOC-02	SOLID	N/A	7.89E2	40.0	ug/g
96000030	S102	4	DUP	S96T000761	0		@TICTOC1 TIC-02	SOLID	3.22E3	3.14E3	N/A	ug/g
96000030	S102	4	DUP	S96T000761	0		@TICTOC1 TOC-02	SOLID	7.89E2	7.82E2	N/A	ug/g
96000030	S102	5	SPK	S96T000761	0		@TICTOC1 TIC-02	SOLID	100	101	N/A	ug/g
96000030	S102	5	SPK	S96T000761	0		@TICTOC1 TOC-02	SOLID	100	91	N/A	ug/g
96000030	S102	6	SAMPLE	S96T000762	0		@TICTOC1 TIC-02	SOLID	N/A	8.18E3	5.00	ug/g
96000030	S102	6	SAMPLE	S96T000762	0		@TICTOC1 TOC-02	SOLID	N/A	3.11E3	40.0	ug/g
96000030	S102	7	DUP	S96T000762	0		@TICTOC1 TIC-02	SOLID	8.18E3	8.50E3	N/A	ug/g
96000030	S102	7	DUP	S96T000762	0		@TICTOC1 TOC-02	SOLID	3.11E3	3.33E3	N/A	ug/g

Rerun 4/8/96 2.99e3

Final page for worklist # 6019

Jackie Steele 4/3/96
Analyst Signature **Date**

[illegible] 4/4/96
Analyst Signature **Date**

Reviewed RW Schroeder 4/8/96
Rereviewed RW Schroeder 7/01/96

Data Entry Comments: Sample S96T000762 was run with equipment failure of initial run, therefore the second and third analysis were reported as sample and duplicate. RW Schroeder 6/18/96

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
<<< BLANK ANALYSIS >>>

Sample: BASELINE Date: 04/03/96 Time: 09:10:03

Sample Size = 1 uL
Dil Factor = 1
Blank ID # = BASELINE
Blank Value = N/A

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.00	0.00
2	1.01	1.40	28.57
3	1.50	1.80	22.22
4	2.00	2.10	14.29
5	2.50	2.40	12.50
6	3.00	2.60	7.69
7	3.50	2.80	7.14
8	4.00	3.10	9.68
9	4.50	3.40	8.82
10	5.00	3.60	5.56
11	5.50	3.80	5.26
12	6.00	4.20	9.52
13	6.50	4.50	6.67
14	7.00	4.60	2.17
15	7.50	4.90	6.12
16	8.00	5.10	3.92
17	8.50	5.30	3.77
18	9.00	5.60	5.36
19	9.50	5.90	5.08
20	10.00	6.00	1.67
21	10.50	6.20	3.23
22	11.00	6.50	4.62

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 1295 TO 1312

BLANK VALUE = 6.5 micrograms carbon
BLANK FACTOR = 6.5 / 11.00067 = +5.9E-01 ug/min Carbon

Sample Run By: Jackie Steele 4/3/96
JL STEELE 00000

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
<<< BLANK ANALYSIS >>>

Sample: BASE Date: 04/03/96 Time: 09:23:11

Sample Size = 1 uL
Dil Factor = 1
Blank ID # = BASE
Blank Value = N/A

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.30	0.00
2	1.01	0.90	66.67
3	1.50	2.40	62.50
4	2.00	5.90	59.32
5	2.50	9.90	40.40
6	3.00	11.90	16.81
7	3.50	14.20	16.20
8	4.00	14.80	4.05
9	4.50	15.20	2.63
10	5.00	15.80	3.80
11	5.50	16.70	5.39
12	6.00	16.90	1.18
13	6.50	17.30	2.31
14	7.00	17.70	2.26
15	7.50	18.20	2.75
16	8.00	18.40	1.09
17	8.50	18.90	2.65
18	9.00	19.20	1.56
19	9.50	19.50	1.54
20	10.00	19.80	1.52
21	10.50	20.10	1.49
22	11.00	20.30	0.99

BLANK VALUE = 20.3 micrograms carbon
BLANK FACTOR = 20.3 / 11.00146 = +1.85E+00 ug/min Carbon

~~<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>~~
Warning message Not applicable to this method. RWS 4/8/96

Sample Run By: Jackie Steele
JL STEELE 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 22N12-A Date: 04/03/96 Time: 09:36:38

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .59 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	2.60	0.00
2	1.01	57.40	95.47
3	1.51	184.40	68.87
4	2.00	322.20	42.77
5	2.50	433.20	25.62
6	3.00	498.00	13.01
7	3.50	534.80	6.88
8	4.01	548.70	2.53
9	4.50	556.00	1.31
10	5.00	558.70	0.48
11	5.50	560.30	0.29
12	6.00	560.80	0.09
13	6.50	561.30	0.09
14	7.00	561.80	0.09
15	7.50	562.20	0.07
16	8.00	562.70	0.09
17	8.50	563.00	0.05
18	9.00	563.30	0.05
19	9.50	563.50	0.04
20	10.00	563.90	0.07
21	10.50	564.30	0.07
22	11.00	564.40	0.02

USER INPUT BLANK VALUE
BLANK VALUE = 6.490864 micrograms carbon
BLANK FACTOR = 6.490864 / 11.00146 = +5.9E-01 ug/min Carbon

SAMPLE RESULTS:
(564.4 - 6.491476)(1)/(1) = +5.579E+02 g/L Carbon
(564.4 - 6.491476)(1)/(1)(12) = +4.649E+01 Molar Carbon

Sample Run By: Jacque Steele
JLSTEELE 00000

$\frac{557.9}{600} = 92.98$

1297

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 16N12-E Date: 04/03/96 Time: 09:52:07

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.85 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	7.60	97.37
3	1.51	60.10	87.35
4	2.00	228.00	73.64
5	2.50	419.60	45.66
6	3.00	525.60	20.17
7	3.50	560.70	6.26
8	4.00	577.30	2.88
9	4.50	581.90	0.79
10	5.00	585.00	0.53
11	5.50	587.40	0.41
12	6.00	589.30	0.32
13	6.50	590.80	0.25
14	7.00	591.80	0.17
15	7.50	592.70	0.15
16	8.00	593.30	0.10
17	8.50	594.00	0.12
18	9.00	594.90	0.15
19	9.50	595.30	0.07
20	10.00	595.80	0.08
21	10.50	596.40	0.10
22	11.00	596.80	0.07

USER INPUT BLANK VALUE
BLANK VALUE = 20.35271 micrograms carbon
BLANK FACTOR = 20.35271 / 11.00146 = +1.9E+00 ug/min Carbon

SAMPLE RESULTS:
(596.8 - 20.34785)(1)/(1) = +5.765E+02 g/L Carbon
(596.8 - 20.34785)(1)/(1)(12) = +4.804E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{2882.5}{3000} = 96.08\%$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 04/03/96 Time: 10:04:40

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .59 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.40	0.00
2	1.01	2.00	80.00
3	1.50	2.80	28.57
4	2.00	3.30	15.15
5	2.50	3.70	10.81
6	3.00	4.10	9.76
7	3.50	4.30	4.65
8	4.00	4.60	6.52
9	4.50	4.80	4.17
10	5.00	5.20	7.69
11	5.50	5.30	1.89
12	6.00	5.60	5.36
13	6.50	5.80	3.45
14	7.00	6.10	4.92
15	7.50	6.40	4.69
16	8.00	6.70	4.48
17	8.50	6.80	1.47
18	9.00	7.00	2.86
19	9.50	7.30	4.11
20	10.00	7.60	3.95
21	10.50	7.80	2.56
22	11.00	8.20	4.88

USER INPUT BLANK VALUE
BLANK VALUE = 6.490864 micrograms carbon
BLANK FACTOR = 6.490864 / 11.00146 = +5.9E-01 ug/min Carbon

SAMPLE RESULTS:
(8.2 - 6.489316)(1)/(1) = +1.7E+00 g/L Carbon
(8.2 - 6.489316)(1)/(1)(12) = +1.4E-01 Molar Carbon

Sample Run By: Jacque Steele
JL STEELE 00000

|8.20-6.50| = 1.7

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 04/03/96 Time: 10:17:39

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.85 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.50	0.00
2	1.01	0.90	44.44
3	1.51	3.30	72.73
4	2.00	6.70	50.75
5	2.50	9.80	31.63
6	3.01	11.40	14.04
7	3.51	12.20	6.56
8	4.01	13.00	6.15
9	4.50	13.60	4.41
10	5.00	14.00	2.86
11	5.50	14.40	2.78
12	6.00	14.80	2.70
13	6.50	15.20	2.63
14	7.00	15.60	2.56
15	7.50	16.10	3.11
16	8.00	16.30	1.23
17	8.50	16.70	2.40
18	9.00	17.00	1.76
19	9.50	17.30	1.73
20	10.00	17.60	1.70
21	10.50	17.90	1.68
22	11.00	18.20	1.65

USER INPUT BLANK VALUE
BLANK VALUE = 20.35271 micrograms carbon
BLANK FACTOR = 20.35271 / 11.00146 = +1.9E+00 ug/min Carbon

SAMPLE RESULTS:
(18.2 - 20.35463)(1)/(1) = < 5.00 E-3 g/L Carbon
(18.2 - 20.35463)(1)/(1)(12) = < 4.17 E-4 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

|18.20 − 20.30| = 2.1

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000761 Date: 04/03/96 Time: 10:42:03

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .59 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.10	0.00
2	1.01	5.30	98.11
3	1.50	57.90	90.85
4	2.00	138.80	58.29
5	2.50	208.20	33.33
6	3.00	245.70	15.26
7	3.50	268.70	8.56
8	4.00	278.70	3.59
9	4.50	281.40	0.96
10	5.00	284.00	0.92
11	5.50	284.60	0.21
12	6.00	285.10	0.18
13	6.50	285.50	0.14
14	7.00	286.20	0.24
15	7.50	286.60	0.14
16	8.00	287.20	0.21
17	8.50	287.80	0.21
18	9.00	288.20	0.14
19	9.50	288.80	0.21
20	10.00	289.40	0.21
21	10.50	290.10	0.24
22	11.00	290.60	0.17

USER INPUT BLANK VALUE
BLANK VALUE = 6.490864 micrograms carbon
BLANK FACTOR = 6.490864 / 11.00146 = +5.9E-01 ug/min Carbon

SAMPLE RESULTS:
(290.6 - 6.490432)(1)/(1) = +2.841E+02 g/L Carbon
(290.6 - 6.490432)(1)/(1)(12) = +2.368E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{284.1}{.0439} = 3.217E3$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000761 Date: 04/03/96 Time: 10:55:23

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.85 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.70	0.00
2	1.01	5.70	87.72
3	1.51	20.70	72.46
4	2.00	40.10	48.38
5	2.50	56.90	29.53
6	3.00	66.50	14.44
7	3.50	71.30	6.73
8	4.00	74.30	4.04
9	4.50	77.90	4.62
10	5.00	79.10	1.52
11	5.50	81.40	2.83
12	6.00	83.70	2.75
13	6.50	84.80	1.30
14	7.00	85.70	1.05
15	7.50	86.20	0.58
16	8.00	86.90	0.81
17	8.50	87.50	0.69
18	9.00	88.10	0.68
19	9.50	88.50	0.45
20	10.00	89.00	0.56
21	10.50	89.40	0.45
22	11.00	90.00	0.67

USER INPUT BLANK VALUE
BLANK VALUE = 20.35271 micrograms carbon
BLANK FACTOR = 20.35271 / 11.00146 = +1.9E+00 ug/min Carbon

SAMPLE RESULTS:
(90 - 20.34639)(1)/(1) = +6.97E+01 g/L Carbon
(90 - 20.34639)(1)/(1)(12) = +5.80E+00 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{69.7}{.0883} = 7.89E2$

1302

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 761 DUP Date: 04/03/96 Time: 11:07:30

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .59 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.60	0.00
2	1.01	25.90	97.68
3	1.51	170.30	84.79
4	2.00	331.40	48.61
5	2.50	459.30	27.85
6	3.00	540.60	15.04
7	3.50	582.00	7.11
8	4.00	605.20	3.83
9	4.50	613.60	1.37
10	5.00	618.50	0.79
11	5.50	619.80	0.21
12	6.00	621.10	0.21
13	6.50	622.00	0.14
14	7.00	622.80	0.13
15	7.50	623.40	0.10
16	8.00	624.00	0.10
17	8.50	624.60	0.10
18	9.00	625.10	0.08
19	9.50	625.60	0.08
20	10.00	626.10	0.08
21	10.50	626.60	0.08
22	11.00	627.10	0.08

USER INPUT BLANK VALUE
BLANK VALUE = 6.490864 micrograms carbon
BLANK FACTOR = 6.490864 / 11.00146 = +5.9E-01 ug/min Carbon

SAMPLE RESULTS:
(627.1 - 6.490396)(1)/(1) = +6.206E+02 g/L Carbon
(627.1 - 6.490396)(1)/(1)(12) = +5.172E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{620.6}{.1975g} = 3.142^{E3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 761 DUP Date: 04/03/96 Time: 11:28:02

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.85 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.80	0.00
2	1.01	9.00	91.11
3	1.51	42.20	78.67
4	2.00	84.30	49.94
5	2.50	117.70	28.38
6	3.00	140.10	15.99
7	3.50	150.90	7.16
8	4.00	157.90	4.43
9	4.50	160.90	1.86
10	5.00	163.70	1.71
11	5.50	165.00	0.79
12	6.00	166.50	0.90
13	6.50	167.40	0.54
14	7.00	168.20	0.48
15	7.50	170.00	1.06
16	8.00	170.00	0.00
17	8.50	171.20	0.70
18	9.00	172.10	0.52
19	9.50	172.90	0.46
20	10.00	173.50	0.35
21	10.50	174.40	0.52
22	11.00	174.70	0.17

USER INPUT BLANK VALUE
BLANK VALUE = 20.35271 micrograms carbon
BLANK FACTOR = 20.35271 / 11.00146 = +1.9E+00 ug/min Carbon

SAMPLE RESULTS:
(174.7 - 20.34785)(1)/(1) = +1.544E+02 g/L Carbon
(174.7 - 20.34785)(1)/(1)(12) = +1.286E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{154.4}{.1975g} = 7.82^{E2}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-179, REV. 1

Sample: 761 SPIKE Date: 04/03/96 Time: 11:43:24

Sample Size = 1 uL *Analyst : JL STEELE*
Dil Factor = 1 *Min Readings = 22*
Blank ID # = *Max Readings = 22*
Blank Value = .59 ug/minute C *% Difference = 10*

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	17.10	98.83
3	1.51	204.40	91.63
4	2.00	444.80	54.05
5	2.50	634.90	29.94
6	3.00	759.90	16.45
7	3.50	827.30	8.15
8	4.00	861.70	3.99
9	4.50	878.80	1.95
10	5.00	886.10	0.82
11	5.50	889.10	0.34
12	6.00	891.00	0.21
13	6.50	891.90	0.10
14	7.00	892.80	0.10
15	7.50	893.50	0.08
16	8.00	894.20	0.08
17	8.50	894.70	0.06
18	9.00	895.30	0.07
19	9.50	896.00	0.08
20	10.00	896.50	0.06
21	10.50	896.90	0.04
22	11.00	897.30	0.04

USER INPUT BLANK VALUE
BLANK VALUE = 6.490864 micrograms carbon
BLANK FACTOR = 6.490864 / 11.00146 = +5.9E-01 ug/min Carbon

SAMPLE RESULTS:
(897.3 - 6.490432)(1)/(1) = +8.908E+02 g/L Carbon
(897.3 - 6.490432)(1)/(1)(12) = +7.423E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$$\frac{897.30}{\left(\frac{290.60}{.0883}\right)(.1782)+300} = \frac{897.30}{886.47} = 101.222$$

1205

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 761 SPIKE Date: 04/03/96 Time: 11:58:02

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.85 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.70	0.00
2	1.01	4.00	82.50
3	1.50	36.60	89.07
4	2.00	120.30	69.58
5	2.50	249.50	51.78
6	3.00	346.70	28.04
7	3.50	391.00	11.33
8	4.00	408.80	4.35
9	4.50	424.20	3.63
10	5.00	428.00	0.89
11	5.50	431.00	0.70
12	6.00	432.80	0.42
13	6.50	434.60	0.41
14	7.00	435.70	0.25
15	7.50	436.60	0.21
16	8.00	437.40	0.18
17	8.50	437.90	0.11
18	9.00	438.60	0.16
19	9.50	439.70	0.25
20	10.00	439.70	0.00
21	10.50	440.00	0.07
22	11.00	440.50	0.11

USER INPUT BLANK VALUE
BLANK VALUE = 20.35271 micrograms carbon
BLANK FACTOR = 20.35271 / 11.00146 = +1.9E+00 ug/min Carbon

SAMPLE RESULTS:
(440.5 - 20.35135)(1)/(1) = +4.201E+02 g/L Carbon
(440.5 - 20.35135)(1)/(1)(12) = +3.501E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jacque Steele
JL STEELE 00000

$$\frac{440.50}{\left(\frac{90.00}{.0883}\right)(.1782)+300} = \frac{440.50}{481.63} = 91.46\%$$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000762 Date: 04/03/96 Time: 12:09:59

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .59 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	22.00	99.09
3	1.51	119.90	81.65
4	2.00	286.80	58.19
5	2.50	456.70	37.20
6	3.00	575.60	20.66
7	3.50	656.70	12.35
8	4.00	695.30	5.55
9	4.50	714.70	2.71
10	5.00	723.20	1.18
11	5.50	726.40	0.44
12	6.00	729.10	0.37
13	6.50	730.70	0.22
14	7.00	731.80	0.15
15	7.50	733.00	0.16
16	8.00	733.90	0.12
17	8.50	737.20	0.45
18	9.00	750.40	1.76
19	9.50	762.00	1.52
20	10.00	766.50	0.59
21	10.50	769.60	0.40
22	11.00	771.60	0.26

USER INPUT BLANK VALUE
BLANK VALUE = 6.490864 micrograms carbon
BLANK FACTOR = 6.490864 / 11.00146 = +5.9E-01 ug/min Carbon

SAMPLE RESULTS:
(771.6 - 6.490972)(1)/(1) = +7.651E+02 g/L Carbon
(771.6 - 6.490972)(1)/(1)(12) = +6.376E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{765.1}{.0910g} = 8.408^{E3}$

did not use.
TOC result was wrong due to loss of

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000762 Date: 04/03/96 Time: 12:24:02

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.85 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.00	0.00
2	1.01	0.00	0.00
3	1.50	0.00	0.00
4	2.00	0.00	0.00
5	2.50	0.00	0.00
6	3.00	0.10	100.00
7	3.50	2.00	95.00
8	4.00	2.60	23.08
9	4.50	4.20	38.10
10	5.00	6.60	36.36
11	5.50	8.80	25.00
12	6.00	10.80	18.52
13	6.50	12.30	12.20
14	7.00	13.60	9.56
15	7.50	14.40	5.56
16	8.00	15.40	6.49
17	8.50	16.10	4.35
18	9.00	16.70	3.59
19	9.50	17.20	2.91
20	10.00	18.00	4.44
21	10.50	18.30	1.64
22	11.00	19.00	3.68

USER INPUT BLANK VALUE
BLANK VALUE = 20.35271 micrograms carbon
BLANK FACTOR = 20.35271 / 11.00146 = +1.9E+00 ug/min Carbon

SAMPLE RESULTS:
(19 - 20.34944)(1)/(1) = < 5.00 E-3 g/L Carbon
(19 - 20.34944)(1)/(1)(12) = < 4.17 E-4 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

1308

not a good run. Something [illegible]

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 762 DUP Date: 04/03/96 Time: 12:36:39

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .59 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.10	0.00
2	1.01	27.90	99.64
3	1.51	174.40	84.00
4	2.00	421.40	58.61
5	2.50	645.50	34.72
6	3.00	787.00	17.98
7	3.50	870.20	9.56
8	4.00	916.20	5.02
9	4.50	940.30	2.56
10	5.00	950.90	1.11
11	5.50	957.70	0.71
12	6.00	960.60	0.30
13	6.50	963.10	0.26
14	7.00	965.20	0.22
15	7.50	966.90	0.18
16	8.00	968.50	0.17
17	8.50	970.00	0.15
18	9.00	971.50	0.15
19	9.50	972.60	0.11
20	10.00	973.80	0.12
21	10.50	974.90	0.11
22	11.00	976.00	0.11

USER INPUT BLANK VALUE
BLANK VALUE = 6.490864 micrograms carbon
BLANK FACTOR = 6.490864 / 11.00146 = +5.9E-01 ug/min Carbon

SAMPLE RESULTS:
(976 - 6.48982)(1)/(1) = +9.695E+02 g/L Carbon
(976 - 6.48982)(1)/(1)(12) = +8.079E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{969.5}{.1185g} = 8.181^{E3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 762 DUP Date: 04/03/96 Time: 12:49:42

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.85 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.30	0.00
2	1.01	13.80	90.58
3	1.51	79.00	82.53
4	2.01	173.10	54.36
5	2.51	267.50	35.29
6	3.00	324.30	17.51
7	3.50	350.20	7.40
8	4.00	361.90	3.23
9	4.50	367.60	1.55
10	5.00	371.80	1.13
11	5.50	375.50	0.99
12	6.00	378.10	0.69
13	6.50	379.80	0.45
14	7.00	381.30	0.39
15	7.50	382.50	0.31
16	8.00	384.00	0.39
17	8.50	384.80	0.21
18	9.00	385.90	0.29
19	9.50	386.80	0.23
20	10.00	387.60	0.21
21	10.50	388.40	0.21
22	11.00	389.00	0.15

USER INPUT BLANK VALUE
BLANK VALUE = 20.35271 micrograms carbon
BLANK FACTOR = 20.35271 / 11.00146 = +1.9E+00 ug/min Carbon

SAMPLE RESULTS:
(389 - 20.35113)(1)/(1) = +3.686E+02 g/L Carbon
(389 - 20.35113)(1)/(1)(12) = +3.072E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{368.6}{.0185g} = 3.111^{E3}$

1310

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 762 TRIP Date: 04/03/96 Time: 13:01:46

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .59 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.40	0.00
2	1.01	33.40	98.80
3	1.50	214.60	84.44
4	2.00	461.90	53.54
5	2.50	658.50	29.86
6	3.00	807.00	18.40
7	3.50	908.70	11.19
8	4.00	964.70	5.80
9	4.50	991.00	2.65
10	5.00	1004.80	1.37
11	5.50	1010.40	0.55
12	6.00	1014.40	0.39
13	6.50	1016.80	0.24
14	7.00	1018.70	0.19
15	7.50	1020.30	0.16
16	8.00	1022.10	0.18
17	8.50	1023.40	0.13
18	9.00	1024.60	0.12
19	9.50	1025.70	0.11
20	10.00	1026.70	0.10
21	10.50	1027.80	0.11
22	11.00	1028.60	0.08

USER INPUT BLANK VALUE
BLANK VALUE = 6.490864 micrograms carbon
BLANK FACTOR = 6.490864 / 11.00146 = +5.9E-01 ug/min Carbon

SAMPLE RESULTS:
(1028.6 - 6.48982)(1)/(1) = +1.0221E+03 g/L Carbon
(1028.6 - 6.48982)(1)/(1)(12) = +8.5176E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{1022.1}{.1203g} = 8.496^{E3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 762 TRIP Date: 04/03/96 Time: 13:17:20

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.85 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.90	0.00
2	1.01	21.70	91.24
3	1.51	104.40	79.21
4	2.00	204.80	49.02
5	2.50	298.30	31.34
6	3.00	355.00	15.97
7	3.50	381.70	7.00
8	4.00	394.10	3.15
9	4.50	400.60	1.62
10	5.00	404.20	0.89
11	5.50	406.80	0.64
12	6.00	409.20	0.59
13	6.50	411.20	0.49
14	7.00	413.10	0.46
15	7.50	414.20	0.27
16	8.00	415.60	0.34
17	8.50	416.80	0.29
18	9.00	417.70	0.22
19	9.50	419.00	0.31
20	10.00	419.80	0.19
21	10.50	420.60	0.19
22	11.00	421.30	0.17

USER INPUT BLANK VALUE
BLANK VALUE = 20.35271 micrograms carbon
BLANK FACTOR = 20.35271 / 11.00146 = +1.9E+00 ug/min Carbon

SAMPLE RESULTS:
(421.3 - 20.34785)(1)/(1) = +4.010E+02 g/L Carbon
(421.3 - 20.34785)(1)/(1)(12) = +3.341E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

1312

$\frac{401.0}{.12039} = 3.333^{83}$

LABCORE Data Entry Template for Worklist# 6020

Analyst: JLS2 **Instrument:** CARB2 **Book #** 22N12A 16N12E

Method: LA-342-100 Rev/Mod D-0

Worklist Comment: S-102 @TICTOC1. RCJ

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				@TICTOC1 TIC-02	SOLID	1	1.2	N/A	ug/g
		1	BLNK				@TICTOC1 TOC-02	SOLID	1	6.5	N/A	ug/g
		2	STD				@TICTOC1 TIC-02	SOLID	6.02E2	5.99E2	N/A	ug/g
		2	STD				@TICTOC1 TOC-02	SOLID	3.00E3	2.80E3	N/A	ug/g
96000030	S102	3	SAMPLE	S96T000763	0		@TICTOC1 TIC-02	SOLID	N/A	1.84E3	5.00	ug/g
96000030	S102	3	SAMPLE	S96T000763	0		@TICTOC1 TOC-02	SOLID	N/A	1.47E3	40.0	ug/g
96000030	S102	4	DUP	S96T000763	0		@TICTOC1 TIC-02	SOLID	1.84E3	2.03E3	N/A	ug/g
96000030	S102	4	DUP	S96T000763	0		@TICTOC1 TOC-02	SOLID	1.47E3	1.48E3	N/A	ug/g
96000030	S102	5	SPK	S96T000763	0		@TICTOC1 TIC-02	SOLID	100	105	N/A	ug/g
96000030	S102	5	SPK	S96T000763	0		@TICTOC1 TOC-02	SOLID	100	94	N/A	ug/g
96000030	S102	6	SAMPLE	S96T000764	0		@TICTOC1 TIC-02	SOLID	N/A	1.31E4	5.00	ug/g
96000030	S102	6	SAMPLE	S96T000764	0		@TICTOC1 TOC-02	SOLID	N/A	3.67E3	40.0	ug/g
96000030	S102	7	DUP	S96T000764	0		@TICTOC1 TIC-02	SOLID	1.31E4	1.37E4	N/A	ug/g
96000030	S102	7	DUP	S96T000764	0		@TICTOC1 TOC-02	SOLID	3.67E3	3.73E3	N/A	ug/g
96000030	S102	8	SAMPLE	S96T000765	0		@TICTOC1 TIC-02	SOLID	N/A	1.01E4	5.00	ug/g
96000030	S102	8	SAMPLE	S96T000765	0		@TICTOC1 TOC-02	SOLID	N/A	3.23E3	40.0	ug/g
96000030	S102	9	DUP	S96T000765	0		@TICTOC1 TIC-02	SOLID	1.01E4	1.01E4	N/A	ug/g
96000030	S102	9	DUP	S96T000765	0		@TICTOC1 TOC-02	SOLID	3.23E3	3.20E3	N/A	ug/g

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

worklistrpt Version 2.1 05/15/95
05/02/96 13:54

LABCORE Data Entry Template for Worklist# 6020

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
96000030	S102	10	SAMPLE	S96T000766	0		@TICTOC1 TIC-02	SOLID	N/A	1.53E4	5.00	ug/g
96000030	S102	10	SAMPLE	S96T000766	0		@TICTOC1 TOC-02	SOLID	N/A	6.56E3	40.0	ug/g
96000030	S102	11	DUP	S96T000766	0		@TICTOC1 TIC-02	SOLID	1.53E4	1.58E4	N/A	ug/g
96000030	S102	11	DUP	S96T000766	0		@TICTOC1 TOC-02	SOLID	6.56E3	6.82E3	N/A	ug/g

Final page for worklist # 6020

Jacque Steele 5/8/96
Analyst Signature **Date**

Larry Hammitt 5-9-96
Analyst Signature **Date**

Approved RW Schroeder 5/10/96

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
<<< BLANK ANALYSIS >>>

Sample: BASELINE Date: 05/08/96 Time: 09:34:25

Sample Size = 1 uL
Dil Factor = 1
Blank ID # = BASELINE
Blank Value = N/A

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.10	0.00
2	1.01	1.20	91.67
3	1.51	1.80	33.33
4	2.00	2.30	21.74
5	2.50	2.60	11.54
6	3.00	2.90	10.34
7	3.50	3.20	9.37
8	4.00	3.30	3.03
9	4.50	3.60	8.33
10	5.00	3.90	7.69
11	5.50	4.00	2.50
12	6.00	4.30	6.98
13	6.50	4.50	4.44
14	7.00	4.70	4.26
15	7.50	4.90	4.08
16	8.00	5.10	3.92
17	8.50	5.20	1.92
18	9.00	5.50	5.45
19	9.50	5.70	3.51
20	10.00	5.90	3.39
21	10.50	6.10	3.28
22	11.00	6.30	3.17

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 1316 TO 1338

BLANK VALUE = 6.3 micrograms carbon
BLANK FACTOR = 6.3 / 11.00061 = +5.7E-01 ug/min Carbon

Sample Run By: Jacque Steele 5/08/96
JL STEELE 00000

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
<<< BLANK ANALYSIS >>>

Sample: BASELINE Date: 05/08/96 Time: 09:48:00

Sample Size = 1 uL
Dil Factor = 1
Blank ID # = BASELINE
Blank Value = N/A

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	1.40	85.71
3	1.50	5.00	72.00
4	2.00	9.60	47.92
5	2.50	12.40	22.58
6	3.00	13.90	10.79
7	3.50	14.60	4.79
8	4.00	15.20	3.95
9	4.50	15.70	3.18
10	5.00	16.10	2.48
11	5.50	16.50	2.42
12	6.00	16.90	2.37
13	6.50	17.30	2.31
14	7.00	17.60	1.70
15	7.50	17.90	1.68
16	8.00	18.20	1.65
17	8.50	18.50	1.62
18	9.00	18.70	1.07
19	9.50	19.00	1.58
20	10.00	19.20	1.04
21	10.50	19.50	1.54
22	11.00	19.70	1.02

BLANK VALUE = 19.7 micrograms carbon
BLANK FACTOR = 19.7 / 10.99786 = +1.79E+00 ug/min Carbon

<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 22N12A Date: 05/08/96 Time: 10:00:51

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .57 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	16.40	98.78
3	1.51	153.90	89.34
4	2.00	329.80	53.34
5	2.50	458.80	28.12
6	3.00	533.60	14.02
7	3.50	574.10	7.05
8	4.00	590.90	2.84
9	4.50	597.70	1.14
10	5.00	600.40	0.45
11	5.50	601.50	0.18
12	6.00	602.10	0.10
13	6.50	602.50	0.07
14	7.00	602.90	0.07
15	7.50	603.30	0.07
16	8.00	603.60	0.05
17	8.50	603.90	0.05
18	9.00	604.20	0.05
19	9.50	604.40	0.03
20	10.00	604.70	0.05
21	10.50	605.00	0.05
22	11.00	605.20	0.03

USER INPUT BLANK VALUE
BLANK VALUE = 6.268782 micrograms carbon
BLANK FACTOR = 6.268782 / 10.99786 = +5.7E-01 ug/min Carbon

SAMPLE RESULTS:
(605.2 - 6.270417)(1)/(1) = +5.989E+02 g/L Carbon
(605.2 - 6.270417)(1)/(1)(12) = +4.991E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{598.9}{602} = 99.48\%$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 16N12E Date: 05/08/96 Time: 10:16:35

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.79 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	9.90	97.98
3	1.51	104.70	90.54
4	2.00	335.70	68.81
5	2.50	492.80	31.88
6	3.00	549.00	10.24
7	3.50	566.50	3.09
8	4.00	571.30	0.84
9	4.50	573.20	0.33
10	5.00	574.30	0.19
11	5.50	575.10	0.14
12	6.00	575.90	0.14
13	6.50	576.50	0.10
14	7.00	577.10	0.10
15	7.50	577.60	0.09
16	8.00	578.10	0.09
17	8.50	578.40	0.05
18	9.00	578.70	0.05
19	9.50	579.00	0.05
20	10.00	579.30	0.05
21	10.50	579.80	0.09
22	11.00	580.10	0.05

USER INPUT BLANK VALUE
BLANK VALUE = 19.68618 micrograms carbon
BLANK FACTOR = 19.68618 / 10.99786 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(580.1 - 19.68792)(1)/(1) = +5.604E+02 g/L Carbon
(580.1 - 19.68792)(1)/(1)(12) = +4.670E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{560.4}{.200ml} = 2802/3000 = 93.4\%$ 1318

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 05/08/96 Time: 10:28:49

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .57 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.50	0.00
2	1.01	2.60	42.31
3	1.51	3.20	18.75
4	2.00	3.70	13.51
5	2.50	4.00	7.50
6	3.00	4.30	6.98
7	3.50	4.60	6.52
8	4.00	4.70	2.13
9	4.50	5.00	6.00
10	5.00	5.10	1.96
11	5.50	5.30	3.77
12	6.00	5.60	5.36
13	6.50	5.80	3.45
14	7.00	6.00	3.33
15	7.50	6.20	3.23
16	8.00	6.40	3.13
17	8.50	6.60	3.03
18	9.00	6.70	1.49
19	9.50	7.00	4.29
20	10.00	7.10	1.41
21	10.50	7.30	2.74
22	11.00	7.50	2.67

USER INPUT BLANK VALUE
BLANK VALUE = 6.268782 micrograms carbon
BLANK FACTOR = 6.268782 / 10.99786 = +5.7E-01 ug/min Carbon

SAMPLE RESULTS:
(7.5 - 6.268887)(1)/(1) = +1.2E+00 g/L Carbon
(7.5 - 6.268887)(1)/(1)(12) = +1.0E-01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

|7.50 - 6.30| = 1.2

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 05/08/96 Time: 10:40:56

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.79 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	0.50	60.00
3	1.50	1.90	73.68
4	2.00	4.70	59.57
5	2.50	7.20	34.72
6	3.00	8.70	17.24
7	3.50	9.50	8.42
8	4.00	9.90	4.04
9	4.50	10.20	2.94
10	5.00	10.60	3.77
11	5.50	10.80	1.85
12	6.00	11.10	2.70
13	6.50	11.40	2.63
14	7.00	11.60	1.72
15	7.50	11.80	1.69
16	8.00	12.00	1.67
17	8.50	12.20	1.64
18	9.00	12.40	1.61
19	9.50	12.60	1.59
20	10.00	12.80	1.56
21	10.50	13.00	1.54
22	11.00	13.20	1.52

USER INPUT BLANK VALUE
BLANK VALUE = 19.68618 micrograms carbon
BLANK FACTOR = 19.68618 / 10.99786 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(13.2 - 19.69295)(1)/(1) = < 5.00 E-3 g/L Carbon
(13.2 - 19.69295)(1)/(1)(12) = < 4.17 E-4 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

|13.20 - 19.70| = 6.5

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000763 Date: 05/08/96 Time: 10:52:57

Sample Size = 1 uL .1114g
Dil Factor = 1
Blank ID # =
Blank Value = .57 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

Reading	Analysis Time	Coulometer	% Difference
1	0.51	0.20	0.00
2	1.01	1.80	88.89
3	1.50	16.90	89.35
4	2.00	70.00	75.86
5	2.50	128.50	45.53
6	3.00	166.80	22.96
7	3.50	185.90	10.27
8	4.00	194.20	4.27
9	4.50	198.30	2.07
10	5.00	200.70	1.20
11	5.50	202.30	0.79
12	6.00	203.60	0.64
13	6.50	204.80	0.59
14	7.00	205.70	0.44
15	7.50	206.60	0.44
16	8.00	207.40	0.39
17	8.50	208.10	0.34
18	9.00	208.70	0.29
19	9.50	209.30	0.29
20	10.00	209.80	0.24
21	10.50	210.20	0.19
22	11.00	210.80	0.28

USER INPUT BLANK VALUE
BLANK VALUE = 6.268782 micrograms carbon
BLANK FACTOR = 6.268782 / 10.99786 = +5.7E-01 ug/min Carbon

SAMPLE RESULTS:
(210.8 - 6.271426)(1)/(1) = +2.045E+02 g/L Carbon
(210.8 - 6.271426)(1)/(1)(12) = +1.704E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{204.5}{.1114g} = 1.836^{E3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000763 Date: 05/08/96 Time: 11:05:13

Sample Size = 1 uL .1671g
Dil Factor = 1
Blank ID # =
Blank Value = 1.79 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.70	0.00
2	1.01	10.10	93.07
3	1.51	45.60	77.85
4	2.00	99.10	53.99
5	2.50	139.90	29.16
6	3.00	159.20	12.12
7	3.50	167.80	5.13
8	4.00	171.30	2.04
9	4.50	173.70	1.38
10	5.00	175.40	0.97
11	5.50	176.90	0.85
12	6.00	177.80	0.51
13	6.50	178.80	0.56
14	7.00	179.50	0.39
15	7.50	180.10	0.33
16	8.00	180.70	0.33
17	8.50	181.20	0.28
18	9.00	181.90	0.38
19	9.50	182.50	0.33
20	10.00	183.00	0.27
21	10.50	183.40	0.22
22	11.00	183.90	0.27

USER INPUT BLANK VALUE
BLANK VALUE = 19.68618 micrograms carbon
BLANK FACTOR = 19.68618 / 10.99786 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(183.9 - 19.68934)(1)/(1) = +1.642E+02 g/L Carbon
(183.9 - 19.68934)(1)/(1)(12) = +1.368E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{164.2}{.1114g} = 1.4743$

1322

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 763 DUP Date: 05/08/96 Time: 11:16:59

Sample Size = 1 uL .1671
Dil Factor = 1
Blank ID # =
Blank Value = .57 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

Reading	Analysis Time	Coulometer	% Difference
1	0.51	0.40	0.00
2	1.01	3.80	89.47
3	1.50	38.70	90.18
4	2.00	129.60	70.14
5	2.50	219.10	40.85
6	3.00	274.70	20.24
7	3.50	303.90	9.61
8	4.00	318.10	4.46
9	4.50	325.10	2.15
10	5.00	329.30	1.28
11	5.50	332.10	0.84
12	6.00	334.70	0.78
13	6.50	336.60	0.56
14	7.00	338.20	0.47
15	7.50	339.60	0.41
16	8.00	341.00	0.41
17	8.50	342.10	0.32
18	9.00	343.00	0.26
19	9.50	344.00	0.29
20	10.00	344.80	0.23
21	10.50	345.60	0.23
22	11.00	346.20	0.17

USER INPUT BLANK VALUE
BLANK VALUE = 6.268782 micrograms carbon
BLANK FACTOR = 6.268782 / 10.99786 = +5.7E-01 ug/min Carbon

SAMPLE RESULTS:
(346.2 - 6.269304)(1)/(1) = +3.399E+02 g/L Carbon
(346.2 - 6.269304)(1)/(1)(12) = +2.833E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{339.9}{.1671} = 2.034^{E3}$

1323

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 763 DUP Date: 05/08/96 Time: 12:23:21

Sample Size = 1 uL .1671 g
Dil Factor = 1
Blank ID # =
Blank Value = 1.79 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.80	0.00
2	1.01	10.20	92.16
3	1.51	69.40	85.30
4	2.01	153.60	54.82
5	2.51	214.50	28.39
6	3.00	239.20	10.33
7	3.50	248.70	3.82
8	4.00	253.20	1.78
9	4.50	255.80	1.02
10	5.00	258.40	1.01
11	5.50	260.20	0.69
12	6.00	261.50	0.50
13	6.50	262.50	0.38
14	7.00	263.30	0.30
15	7.50	264.10	0.30
16	8.00	264.70	0.23
17	8.50	265.30	0.23
18	9.00	265.90	0.23
19	9.50	266.50	0.23
20	10.00	267.00	0.19
21	10.50	267.40	0.15
22	11.00	267.80	0.15

USER INPUT BLANK VALUE
BLANK VALUE = 19.68618 micrograms carbon
BLANK FACTOR = 19.68618 / 10.99786 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(267.8 - 19.6912)(1)/(1) = +2.481E+02 g/L Carbon
(267.8 - 19.6912)(1)/(1)(12) = +2.068E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{248.1}{.1671} = 1.485^{E3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 763 SPIKE Date: 05/08/96 Time: 12:37:22

Sample Size = 1 uL .1776g + .500ml 22N124
Dil Factor = 1
Blank ID # =
Blank Value = .57 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.10	0.00
2	1.01	14.70	99.32
3	1.51	150.10	90.21
4	2.00	344.30	56.40
5	2.50	483.50	28.79
6	3.00	568.80	15.00
7	3.50	611.40	6.97
8	4.01	632.00	3.26
9	4.50	641.90	1.54
10	5.00	647.60	0.88
11	5.50	651.50	0.60
12	6.00	654.50	0.46
13	6.50	656.80	0.35
14	7.00	659.00	0.33
15	7.50	660.80	0.27
16	8.00	662.30	0.23
17	8.50	663.80	0.23
18	9.00	665.10	0.20
19	9.50	666.20	0.17
20	10.00	667.20	0.15
21	10.50	668.20	0.15
22	11.00	669.10	0.13

USER INPUT BLANK VALUE
BLANK VALUE = 6.268782 micrograms carbon
BLANK FACTOR = 6.268782 / 10.99786 = +5.7E-01 ug/min Carbon

SAMPLE RESULTS:
(669.1 - 6.270382)(1)/(1) = +6.628E+02 g/L Carbon
(669.1 - 6.270382)(1)/(1)(12) = +5.524E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$$\frac{669.10}{\frac{210.80}{.1111} \times .1776 + 300} = \frac{669.10}{636.07} = 105.19\%$$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 763 SPIKE Date: 05/08/96 Time: 12:49:49

Sample Size = 1 uL .1776g
Dil Factor = 1 +.100ml 16N12-E
Blank ID # =
Blank Value = 1.79 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

Reading	Analysis Time	Coulometer	% Difference
1	0.51	0.90	0.00
2	1.00	14.50	93.79
3	1.50	118.00	87.71
4	2.00	314.40	62.47
5	2.50	454.70	30.86
6	3.00	509.70	10.79
7	3.50	528.90	3.63
8	4.00	534.50	1.05
9	4.50	536.30	0.34
10	5.00	538.50	0.41
11	5.50	540.00	0.28
12	6.00	544.40	0.81
13	6.50	547.80	0.62
14	7.00	549.90	0.38
15	7.50	551.00	0.20
16	8.00	551.90	0.16
17	8.50	552.60	0.13
18	9.00	553.30	0.13
19	9.50	553.90	0.11
20	10.00	554.50	0.11
21	10.50	554.90	0.07
22	11.00	555.50	0.11

USER INPUT BLANK VALUE
BLANK VALUE = 19.68618 micrograms carbon
BLANK FACTOR = 19.68618 / 10.99786 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(555.5 - 19.68934)(1)/(1) = +5.358E+02 g/L Carbon
(555.5 - 19.68934)(1)/(1)(12) = +4.465E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$$\frac{555.50}{\frac{183.90}{111.1} \times .1776 + 300} = \frac{555.50}{593.18} = 93.6520$$

1326

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000764 Date: 05/08/96 Time: 13:02:16

Sample Size = 1 uL .2098g
Dil Factor = 1
Blank ID # =
Blank Value = .57 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

Reading	Analysis Time	Coulometer	% Difference
1	0.51	0.50	0.00
2	1.01	40.70	98.77
3	1.51	583.70	93.03
4	2.01	1330.40	56.13
5	2.51	2077.20	35.95
6	3.01	2464.40	15.71
7	3.51	2592.20	4.93
8	4.01	2656.50	2.42
9	4.50	2689.90	1.24
10	5.00	2707.50	0.65
11	5.50	2718.20	0.39
12	6.00	2725.90	0.28
13	6.50	2732.00	0.22
14	7.00	2736.80	0.18
15	7.50	2740.80	0.15
16	8.00	2744.10	0.12
17	8.50	2747.10	0.11
18	9.00	2749.80	0.10
19	9.50	2752.00	0.08
20	10.00	2754.10	0.08
21	10.50	2756.00	0.07
22	11.00	2757.70	0.06

USER INPUT BLANK VALUE
BLANK VALUE = 6.268782 micrograms carbon
BLANK FACTOR = 6.268782 / 10.99786 = +5.7E-01 ug/min Carbon

SAMPLE RESULTS:
(2757.7 - 6.270348)(1)/(1) = +2.7514E+03 g/L Carbon
(2757.7 - 6.270348)(1)/(1)(12) = +2.2929E+02 Molar Carbon

Sample Run By: Jackie Steele
JLO STEELE 00000

$\frac{2751.4}{.2098} = 1.3114^{E4}$

1327

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000764 Date: 05/08/96 Time: 13:14:59

Sample Size = 1 uL .2098g
Dil Factor = 1
Blank ID # =
Blank Value = 1.79 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	2.10	0.00
2	1.01	16.40	87.20
3	1.50	172.70	90.50
4	2.00	409.10	57.79
5	2.51	609.50	32.88
6	3.01	702.20	13.20
7	3.51	742.70	5.45
8	4.01	760.10	2.29
9	4.50	767.90	1.02
10	5.00	772.50	0.60
11	5.50	775.60	0.40
12	6.00	778.00	0.31
13	6.50	779.90	0.24
14	7.00	782.20	0.29
15	7.50	783.70	0.19
16	8.00	785.10	0.18
17	8.50	786.30	0.15
18	9.00	787.20	0.11
19	9.50	788.20	0.13
20	10.00	789.10	0.11
21	10.50	789.80	0.09
22	11.00	790.60	0.10

USER INPUT BLANK VALUE
BLANK VALUE = 19.68618 micrograms carbon
BLANK FACTOR = 19.68618 / 10.99786 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(790.6 - 19.68945)(1)/(1) = +7.709E+02 g/L Carbon
(790.6 - 19.68945)(1)/(1)(12) = +6.424E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{770.9}{.2098} = 3.674^{E3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 764 DUP Date: 05/08/96 Time: 13:47:46

Sample Size = 1 uL .1199g
Dil Factor = 1
Blank ID # =
Blank Value = .57 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.50	0.00
2	1.01	13.60	88.97
3	1.50	229.20	94.07
4	2.00	729.60	68.59
5	2.50	1110.90	34.32
6	3.00	1332.70	16.64
7	3.50	1454.80	8.39
8	4.00	1520.60	4.33
9	4.50	1556.30	2.29
10	5.00	1578.50	1.41
11	5.50	1593.80	0.96
12	6.00	1603.60	0.61
13	6.50	1612.10	0.53
14	7.00	1618.50	0.40
15	7.50	1623.70	0.32
16	8.00	1627.80	0.25
17	8.50	1631.40	0.22
18	9.00	1634.80	0.21
19	9.50	1637.40	0.16
20	10.00	1639.70	0.14
21	10.50	1641.80	0.13
22	11.00	1643.70	0.12

USER INPUT BLANK VALUE
BLANK VALUE = 6.268782 micrograms carbon
BLANK FACTOR = 6.268782 / 10.99786 = +5.7E-01 ug/min Carbon

SAMPLE RESULTS:
(1643.7 - 6.270382)(1)/(1) = +1.6374E+03 g/L Carbon
(1643.7 - 6.270382)(1)/(1)(12) = +1.3645E+02 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{1637.4}{.1199} = 1.3656E4$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 764 DUP Date: 05/08/96 Time: 14:00:06

Sample Size = 1 uL .1199g
Dil Factor = 1
Blank ID # =
Blank Value = 1.79 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	2.40	0.00
2	1.01	23.30	89.70
3	1.51	133.40	82.53
4	2.00	272.40	51.03
5	2.50	368.50	26.08
6	3.00	416.40	11.50
7	3.50	437.20	4.76
8	4.00	445.50	1.86
9	4.50	449.40	0.87
10	5.00	452.50	0.69
11	5.50	454.60	0.46
12	6.00	456.60	0.44
13	6.50	457.90	0.28
14	7.00	459.10	0.26
15	7.50	460.00	0.20
16	8.00	461.20	0.26
17	8.50	462.10	0.19
18	9.00	463.10	0.22
19	9.50	463.80	0.15
20	10.00	464.70	0.19
21	10.50	465.50	0.17
22	11.00	466.40	0.19

USER INPUT BLANK VALUE
BLANK VALUE = 19.68618 micrograms carbon
BLANK FACTOR = 19.68618 / 10.99786 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(466.4 - 19.69262)(1)/(1) = +4.467E+02 g/L Carbon
(466.4 - 19.69262)(1)/(1)(12) = +3.723E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jeanne Steele
JL STEELE 00000

$\frac{446.7}{.1199} = 3.72E3$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000765 Date: 05/08/96 Time: 14:11:58

Sample Size = 1 uL .1153g
Dil Factor = 1
Blank ID # =
Blank Value = .57 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.80	0.00
2	1.01	15.40	94.81
3	1.51	251.60	93.88
4	2.00	620.60	59.46
5	2.50	850.20	27.01
6	3.00	978.10	13.08
7	3.50	1050.60	6.90
8	4.00	1090.30	3.64
9	4.50	1112.00	1.95
10	5.00	1124.50	1.11
11	5.50	1132.70	0.72
12	6.00	1138.90	0.54
13	6.50	1143.70	0.42
14	7.00	1148.20	0.39
15	7.50	1152.00	0.33
16	8.00	1155.10	0.27
17	8.50	1157.70	0.22
18	9.00	1160.10	0.21
19	9.50	1162.30	0.19
20	10.00	1164.10	0.15
21	10.50	1165.80	0.15
22	11.00	1167.40	0.14

USER INPUT BLANK VALUE
BLANK VALUE = 6.268782 micrograms carbon
BLANK FACTOR = 6.268782 / 10.99786 = +5.7E-01 ug/min Carbon

SAMPLE RESULTS:
(1167.4 - 6.269339)(1)/(1) = +1.1611E+03 g/L Carbon
(1167.4 - 6.269339)(1)/(1)(12) = +9.6761E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{1161.1}{.1153g} = 1.0070^{e4}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000765 Date: 05/08/96 Time: 14:24:44

Sample Size = 1 uL .1153g
Dil Factor = 1
Blank ID # =
Blank Value = 1.79 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.90	0.00
2	1.01	30.70	93.81
3	1.51	126.00	75.63
4	2.00	238.00	47.06
5	2.50	314.20	24.25
6	3.00	349.50	10.10
7	3.50	365.30	4.33
8	4.00	371.00	1.54
9	4.50	374.70	0.99
10	5.00	377.20	0.66
11	5.50	379.40	0.58
12	6.00	381.40	0.52
13	6.50	383.00	0.42
14	7.00	384.40	0.36
15	7.50	385.60	0.31
16	8.00	386.70	0.28
17	8.50	387.80	0.28
18	9.00	388.70	0.23
19	9.50	389.70	0.26
20	10.00	390.50	0.20
21	10.50	391.30	0.20
22	11.00	392.10	0.20

USER INPUT BLANK VALUE
BLANK VALUE = 19.68618 micrograms carbon
BLANK FACTOR = 19.68618 / 10.99786 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(392.1 - 19.68978)(1)/(1) = +3.724E+02 g/L Carbon
(392.1 - 19.68978)(1)/(1)(12) = +3.103E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{372.4}{.1153} = 3.230E3$ 1332

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 765 DUP Date: 05/08/96 Time: 14:36:31

Sample Size = 1 uL .1569 g
Dil Factor = 1
Blank ID # =
Blank Value = .57 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.80	0.00
2	1.01	12.70	93.70
3	1.51	299.20	95.76
4	2.01	820.30	63.53
5	2.50	1138.10	27.92
6	3.00	1314.90	13.45
7	3.50	1412.60	6.92
8	4.00	1472.00	4.04
9	4.50	1506.50	2.29
10	5.00	1527.40	1.37
11	5.50	1540.20	0.83
12	6.00	1550.70	0.68
13	6.50	1558.20	0.48
14	7.00	1564.20	0.38
15	7.50	1569.60	0.34
16	8.00	1574.20	0.29
17	8.50	1578.10	0.25
18	9.00	1581.40	0.21
19	9.50	1584.20	0.18
20	10.00	1586.90	0.17
21	10.50	1588.90	0.13
22	11.00	1591.10	0.14

USER INPUT BLANK VALUE
BLANK VALUE = 6.268782 micrograms carbon
BLANK FACTOR = 6.268782 / 10.99786 = +5.7E-01 ug/min Carbon

SAMPLE RESULTS:
(1591.1 - 6.26993)(1)/(1) = +1.5848E+03 g/L Carbon
(1591.1 - 6.26993)(1)/(1)(12) = +1.3207E+02 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{1584.8}{.1569g} = 1.0101^{E4}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 765 DUP Date: 05/08/96 Time: 14:49:16

Sample Size = 1 uL .1569g
Dil Factor = 1
Blank ID # =
Blank Value = 1.79 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	2.70	0.00
2	1.01	22.70	88.11
3	1.51	143.40	84.17
4	2.00	295.40	51.46
5	2.50	405.60	27.17
6	3.00	458.40	11.52
7	3.50	482.80	5.05
8	4.00	493.40	2.15
9	4.50	499.10	1.14
10	5.00	502.40	0.66
11	5.50	505.30	0.57
12	6.00	508.10	0.55
13	6.50	510.10	0.39
14	7.00	511.70	0.31
15	7.50	513.40	0.33
16	8.00	514.90	0.29
17	8.50	516.30	0.27
18	9.00	517.60	0.25
19	9.50	518.60	0.19
20	10.00	519.70	0.21
21	10.50	520.70	0.19
22	11.00	521.60	0.17

USER INPUT BLANK VALUE
BLANK VALUE = 19.68618 micrograms carbon
BLANK FACTOR = 19.68618 / 10.99786 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(521.6 - 19.6912)(1)/(1) = +5.019E+02 g/L Carbon
(521.6 - 19.6912)(1)/(1)(12) = +4.183E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{501.9}{.1569g} = 3.199E3$ 1334

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000766 Date: 05/08/96 Time: 15:01:36

Sample Size = 1 uL .1353g
Dil Factor = 1
Blank ID # =
Blank Value = .57 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.10	0.00
2	1.01	33.60	96.73
3	1.50	592.80	94.33
4	2.00	1278.00	53.62
5	2.50	1614.60	20.85
6	3.00	1792.50	9.92
7	3.50	1889.80	5.15
8	4.00	1946.20	2.90
9	4.50	1980.50	1.73
10	5.00	2002.90	1.12
11	5.50	2017.60	0.73
12	6.00	2028.10	0.52
13	6.50	2036.50	0.41
14	7.00	2043.10	0.32
15	7.50	2048.40	0.26
16	8.00	2053.00	0.22
17	8.50	2057.10	0.20
18	9.00	2060.50	0.17
19	9.50	2063.70	0.16
20	10.00	2066.60	0.14
21	10.50	2069.20	0.13
22	11.00	2071.40	0.11

USER INPUT BLANK VALUE
BLANK VALUE = 6.268782 micrograms carbon
BLANK FACTOR = 6.268782 / 10.99786 = +5.7E-01 ug/min Carbon

SAMPLE RESULTS:
(2071.4 - 6.268782)(1)/(1) = +2.0651E+03 g/L Carbon
(2071.4 - 6.268782)(1)/(1)(12) = +1.7209E+02 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{2065.1}{.1353g} = 1.5263^{E4}$ 1335

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000766 Date: 05/08/96 Time: 15:14:22

Sample Size = 1 uL .1353g
Dil Factor = 1
Blank ID # =
Blank Value = 1.79 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

Reading	Analysis Time	Coulometer	% Difference
1	0.51	2.90	0.00
2	1.01	24.90	88.35
3	1.51	236.40	89.47
4	2.00	526.80	55.13
5	2.50	722.80	27.12
6	3.00	814.50	11.26
7	3.50	854.60	4.69
8	4.00	872.30	2.03
9	4.50	877.50	0.59
10	5.00	884.40	0.78
11	5.50	889.20	0.54
12	6.00	893.20	0.45
13	6.50	895.80	0.29
14	7.00	897.80	0.22
15	7.50	899.50	0.19
16	8.00	901.00	0.17
17	8.50	902.40	0.16
18	9.00	903.60	0.13
19	9.50	904.80	0.13
20	10.00	905.90	0.12
21	10.50	906.90	0.11
22	11.00	907.70	0.09

USER INPUT BLANK VALUE
BLANK VALUE = 19.68618 micrograms carbon
BLANK FACTOR = 19.68618 / 10.99786 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(907.7 - 19.69262)(1)/(1) = +8.880E+02 g/L Carbon
(907.7 - 19.69262)(1)/(1)(12) = +7.400E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{888.0}{.1353g} = 6.563^{e3}$

1336

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 766 DUP Date: 05/08/96 Time: 16:07:06

Sample Size = 1 uL .1114g
Dil Factor = 1
Blank ID # =
Blank Value = .57 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.10	0.00
2	1.01	25.80	95.74
3	1.51	499.90	94.84
4	2.01	1085.40	53.94
5	2.51	1387.80	21.79
6	3.01	1540.10	9.89
7	3.51	1621.10	5.00
8	4.01	1666.00	2.70
9	4.50	1691.50	1.51
10	5.00	1707.00	0.91
11	5.50	1717.70	0.62
12	6.00	1726.20	0.49
13	6.50	1732.80	0.38
14	7.00	1738.70	0.34
15	7.50	1742.90	0.24
16	8.00	1746.90	0.23
17	8.50	1750.10	0.18
18	9.00	1752.90	0.16
19	9.50	1755.60	0.15
20	10.00	1757.80	0.13
21	10.50	1760.10	0.13
22	11.00	1762.10	0.11

USER INPUT BLANK VALUE
BLANK VALUE = 6.268782 micrograms carbon
BLANK FACTOR = 6.268782 / 10.99786 = +5.7E-01 ug/min Carbon

SAMPLE RESULTS:
(1762.1 - 6.270974)(1)/(1) = +1.7558E+03 g/L Carbon
(1762.1 - 6.270974)(1)/(1)(12) = +1.4632E+02 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{1755.8}{.1114g} = 1.5761^{E4}$

1337

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 766 DUP Date: 05/08/96 Time: 17:02:08

Sample Size = 1 uL .1114g
Dil Factor = 1
Blank ID # =
Blank Value = 1.79 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.20	0.00
2	1.01	51.70	97.68
3	1.51	259.70	80.09
4	2.00	499.20	47.98
5	2.50	648.60	23.03
6	3.00	713.10	9.05
7	3.50	742.50	3.96
8	4.00	755.90	1.77
9	4.50	761.50	0.74
10	5.00	764.80	0.43
11	5.50	767.40	0.34
12	6.00	769.50	0.27
13	6.50	771.20	0.22
14	7.00	772.50	0.17
15	7.50	773.50	0.13
16	8.00	774.60	0.14
17	8.50	775.50	0.12
18	9.00	776.40	0.12
19	9.50	777.30	0.12
20	10.00	778.10	0.10
21	10.50	778.80	0.09
22	11.00	779.40	0.08

USER INPUT BLANK VALUE
BLANK VALUE = 19.68618 micrograms carbon
BLANK FACTOR = 19.68618 / 10.99786 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(779.4 - 19.69109)(1)/(1) = +7.597E+02 g/L Carbon
(779.4 - 19.69109)(1)/(1)(12) = +6.331E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{759.7}{.1114g} = 6.820E3$

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LABCORE Data Entry Template for Worklist# 6025

Analyst: JLS2 **Instrument:** CARB2 **Book #** 22N12A TIC 16N12E TOC

Method: LA-342-100 Rev/Mod D-0

Worklist Comment: S-102 @TICTOC1. RCJ

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				@TICTOC1 TIC-02	SOLID	1	.6	N/A	ug/g
		1	BLNK				@TICTOC1 TOC-02	SOLID	1	4.3	N/A	ug/g
		2	STD				@TICTOC1 TIC-02	SOLID	6.02E2	6.13E2	N/A	ug/g
		2	STD				@TICTOC1 TOC-02	SOLID	3.00E3	2.70E3	N/A	ug/g
96000030	S102	3	SAMPLE	S96T000767	0		@TICTOC1 TIC-02	SOLID	N/A	3.09E3		ug/g
96000030	S102	3	SAMPLE	S96T000767	0		@TICTOC1 TOC-02	SOLID	N/A	7.62E3		ug/g
96000030	S102	4	DUP	S96T000767	0		@TICTOC1 TIC-02	SOLID	3.09E3	2.97E3	N/A	ug/g
96000030	S102	4	DUP	S96T000767	0		@TICTOC1 TOC-02	SOLID	7.62E3	8.21E3	N/A	ug/g
96000030	S102	5	SPK	S96T000767	0		@TICTOC1 TIC-02	SOLID	100	99	N/A	ug/g
96000030	S102	5	SPK	S96T000767	0		@TICTOC1 TOC-02	SOLID	100	117	N/A	ug/g
96000030	S102	6	SAMPLE	S96T000768	0		@TICTOC1 TIC-02	SOLID	N/A	8.31E3		ug/g
96000030	S102	6	SAMPLE	S96T000768	0		@TICTOC1 TOC-02	SOLID	N/A	6.69E3		ug/g
96000030	S102	7	DUP	S96T000768	0		@TICTOC1 TIC-02	SOLID	8.31E3	8.67E3	N/A	ug/g
96000030	S102	7	DUP	S96T000768	0		@TICTOC1 TOC-02	SOLID	6.69E3	7.05E3	N/A	ug/g
96000030	S102	8	SAMPLE	S96T000769	0		@TICTOC1 TIC-02	SOLID	N/A	8.98E3		ug/g
96000030	S102	8	SAMPLE	S96T000769	0		@TICTOC1 TOC-02	SOLID	N/A	4.98E3		ug/g
96000030	S102	9	DUP	S96T000769	0		@TICTOC1 TIC-02	SOLID	8.98E3	8.90E3	N/A	ug/g
96000030	S102	9	DUP	S96T000769	0		@TICTOC1 TOC-02	SOLID	4.98E3	4.91E3	N/A	ug/g

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

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Page: 2

LABCORE Data Entry Template for Worklist# 6025

GROUP	PROJECT	S TYPE	SAMPLE#	R A -------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT

Final page for worklist # 6025

Jackie Steele 4/22/96
Analyst Signature **Date**

RJ Stark 04/23/96
Analyst Signature **Date**

Reviewed by RW Schroeder
4/23/96

Rereviewed RW Schroeder
7/1/96

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

■^^P

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
<<< BLANK ANALYSIS >>>

Sample: BASELINE Date: 04/22/96 Time: 09:11:48

Sample Size = 1 uL
Dil Factor = 1
Blank ID # = BASELINE
Blank Value = N/A

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.40	0.00
2	1.01	2.10	80.95
3	1.50	3.10	32.26
4	2.00	3.70	16.22
5	2.50	4.20	11.90
6	3.00	4.60	8.70
7	3.50	4.80	4.17
8	4.00	5.10	5.88
9	4.50	5.40	5.56
10	5.00	5.60	3.57
11	5.50	5.90	5.08
12	6.00	6.20	4.84
13	6.50	6.40	3.13
14	7.00	6.60	3.03
15	7.50	6.80	2.94
16	8.00	7.10	4.23
17	8.50	7.30	2.74
18	9.00	7.50	2.67
19	9.50	7.80	3.85
20	10.00	8.00	2.50
21	10.50	8.20	2.44
22	11.00	8.40	2.38

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 1341 TO 1360

BLANK VALUE = 8.4 micrograms carbon
BLANK FACTOR = 8.4 / 10.99878 = +7.6E-01 ug/min Carbon

Sample Run By: Jackie Steele 4/22/96
JLUSTEELE 00000

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
<<< BLANK ANALYSIS >>>

Sample: BASELINE Date: 04/22/96 Time: 09:25:11

Sample Size = 1 uL
Dil Factor = 1
Blank ID # = BASELINE
Blank Value = N/A

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.00	0.00
2	1.01	1.00	100.00
3	1.50	4.90	79.59
4	2.00	11.00	55.45
5	2.50	14.10	21.99
6	3.00	15.60	9.62
7	3.50	16.50	5.45
8	4.00	17.10	3.51
9	4.50	17.70	3.39
10	5.00	18.20	2.75
11	5.50	18.70	2.67
12	6.00	19.10	2.09
13	6.50	19.50	2.05
14	7.00	19.80	1.52
15	7.50	20.20	1.98
16	8.00	20.60	1.94
17	8.50	20.90	1.44
18	9.00	21.20	1.42
19	9.50	21.50	1.40
20	10.00	21.80	1.38
21	10.50	22.00	0.91
22	11.00	22.30	1.35

BLANK VALUE = 22.3 micrograms carbon
BLANK FACTOR = 22.3 / 10.99884 = +2.03E+00 ug/min Carbon

<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 22N12A Date: 04/22/96 Time: 09:41:15

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .76 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.00	0.00
2	1.01	49.80	100.00
3	1.51	203.60	75.54
4	2.01	367.10	44.54
5	2.51	488.10	24.79
6	3.01	561.20	13.03
7	3.51	596.00	5.84
8	4.01	610.00	2.30
9	4.50	615.30	0.86
10	5.00	617.10	0.29
11	5.50	617.90	0.13
12	6.00	618.60	0.11
13	6.50	619.00	0.06
14	7.00	619.40	0.06
15	7.50	619.70	0.05
16	8.00	620.10	0.06
17	8.50	620.30	0.03
18	9.00	620.60	0.05
19	9.50	620.90	0.05
20	10.00	621.10	0.03
21	10.50	621.40	0.05
22	11.00	621.70	0.05

USER INPUT BLANK VALUE
BLANK VALUE = 8.359118 micrograms carbon
BLANK FACTOR = 8.359118 / 10.99884 = +7.6E-01 ug/min Carbon

SAMPLE RESULTS:
(621.7 - 8.36051)(1)/(1) = +6.133E+02 g/L Carbon
(621.7 - 8.36051)(1)/(1)(12) = +5.111E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{613.3}{602} = 101.882$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 16N12E Date: 04/22/96 Time: 09:53:30

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.03 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.00	0.00
2	1.00	44.30	100.00
3	1.50	265.40	83.31
4	2.00	460.70	42.39
5	2.50	528.90	12.89
6	3.01	548.40	3.56
7	3.51	553.60	0.94
8	4.00	555.80	0.40
9	4.50	557.00	0.22
10	5.00	557.80	0.14
11	5.50	558.50	0.13
12	6.00	559.10	0.11
13	6.50	559.60	0.09
14	7.00	560.10	0.09
15	7.50	560.50	0.07
16	8.00	561.00	0.09
17	8.50	561.40	0.07
18	9.00	561.70	0.05
19	9.50	562.10	0.07
20	10.00	562.50	0.07
21	10.50	562.80	0.05
22	11.00	563.10	0.05

USER INPUT BLANK VALUE
BLANK VALUE = 22.32765 micrograms carbon
BLANK FACTOR = 22.32765 / 10.99884 = +2.0E+00 ug/min Carbon

SAMPLE RESULTS:
(563.1 - 22.33496)(1)/(1) = +5.408E+02 g/L Carbon
(563.1 - 22.33496)(1)/(1)(12) = +4.506E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

540.8 / .200ml = 2704/5mg = 90.13%

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 04/22/96 Time: 10:05:22

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .76 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.00	0.00
2	1.01	1.60	100.00
3	1.50	3.00	46.67
4	2.00	3.70	18.92
5	2.50	4.20	11.90
6	3.00	4.50	6.67
7	3.50	4.70	4.26
8	4.00	5.00	6.00
9	4.50	5.20	3.85
10	5.00	5.40	3.70
11	5.50	5.60	3.57
12	6.00	5.80	3.45
13	6.50	6.00	3.33
14	7.00	6.20	3.23
15	7.50	6.40	3.13
16	8.00	6.70	4.48
17	8.50	6.80	1.47
18	9.00	7.00	2.86
19	9.50	7.20	2.78
20	10.00	7.40	2.70
21	10.50	7.60	2.63
22	11.00	7.80	2.56

USER INPUT BLANK VALUE
BLANK VALUE = 8.359118 micrograms carbon
BLANK FACTOR = 8.359118 / 10.99884 = +7.6E-01 ug/min Carbon

SAMPLE RESULTS:
(7.8 - 8.357727)(1)/(1) = < 5.00 E-3 g/L Carbon
(7.8 - 8.357727)(1)/(1)(12) = < 4.17 E-4 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

|7.80 - 8.40| = .6

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 04/22/96 Time: 10:19:18

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.03 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.00	0.00
2	1.01	0.70	100.00
3	1.51	3.70	81.08
4	2.00	8.40	55.95
5	2.50	11.50	26.96
6	3.00	13.00	11.54
7	3.50	13.70	5.11
8	4.00	14.10	2.84
9	4.50	14.50	2.76
10	5.00	14.90	2.68
11	5.50	15.20	1.97
12	6.00	15.50	1.94
13	6.50	15.80	1.90
14	7.00	16.10	1.86
15	7.50	16.30	1.23
16	8.00	16.60	1.81
17	8.50	16.90	1.78
18	9.00	17.10	1.17
19	9.50	17.30	1.16
20	10.00	17.50	1.14
21	10.50	17.70	1.13
22	11.00	18.00	1.67

USER INPUT BLANK VALUE
BLANK VALUE = 22.32765 micrograms carbon
BLANK FACTOR = 22.32765 / 10.99884 = +2.0E+00 ug/min Carbon

SAMPLE RESULTS:
(18 - 22.32765)(1)/(1) = < 5.00 E-3 g/L Carbon
(18 - 22.32765)(1)/(1)(12) = < 4.17 E-4 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jacque Steele
JL STEELE 00000

(18.00 - 22.30) = 4.3

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000767 Date: 04/22/96 Time: 10:33:45

Sample Size = 1 uL .0680g
Dil Factor = 1
Blank ID # =
Blank Value = .76 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.00	0.00
2	1.01	3.10	100.00
3	1.50	32.70	90.52
4	2.01	85.20	61.62
5	2.51	136.30	37.49
6	3.01	170.90	20.25
7	3.51	190.30	10.19
8	4.00	200.10	4.90
9	4.50	204.80	2.29
10	5.00	207.80	1.44
11	5.50	209.80	0.95
12	6.00	211.40	0.76
13	6.50	212.70	0.61
14	7.00	213.90	0.56
15	7.50	214.60	0.33
16	8.00	215.40	0.37
17	8.50	216.10	0.32
18	9.00	216.60	0.23
19	9.50	217.20	0.28
20	10.00	217.60	0.18
21	10.50	218.00	0.18
22	11.00	218.40	0.18

USER INPUT BLANK VALUE
BLANK VALUE = 8.359118 micrograms carbon
BLANK FACTOR = 8.359118 / 10.99884 = +7.6E-01 ug/min Carbon

SAMPLE RESULTS:
(218.4 - 8.35986)(1)/(1) = +2.100E+02 g/L Carbon
(218.4 - 8.35986)(1)/(1)(12) = +1.750E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{210.0}{.0680g} = 3.088E3$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000767 Date: 04/22/96 Time: 10:46:28

Sample Size = 1 uL .0680g
Dil Factor = 1
Blank ID # =
Blank Value = 2.03 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.30	0.00
2	1.01	76.10	99.61
3	1.51	310.30	75.48
4	2.00	444.80	30.24
5	2.50	499.00	10.86
6	3.00	517.90	3.65
7	3.50	524.40	1.24
8	4.00	528.20	0.72
9	4.50	530.50	0.43
10	5.00	532.40	0.36
11	5.50	533.80	0.26
12	6.00	535.00	0.22
13	6.50	535.80	0.15
14	7.00	536.60	0.15
15	7.50	537.30	0.13
16	8.00	537.80	0.09
17	8.50	538.40	0.11
18	9.00	538.80	0.07
19	9.50	539.30	0.09
20	10.00	539.70	0.07
21	10.50	540.10	0.07
22	11.00	540.40	0.06

USER INPUT BLANK VALUE
BLANK VALUE = 22.32765 micrograms carbon
BLANK FACTOR = 22.32765 / 10.99884 = +2.0E+00 ug/min Carbon

SAMPLE RESULTS:
(540.4 - 22.33124)(1)/(1) = +5.181E+02 g/L Carbon
(540.4 - 22.33124)(1)/(1)(12) = +4.317E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{518.1}{.0680g} = 7.619E3$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 767 DUP Date: 04/22/96 Time: 10:58:20

Sample Size = 1 uL .1014g
Dil Factor = 1
Blank ID # =
Blank Value = .76 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.10	0.00
2	1.01	3.40	97.06
3	1.51	44.20	92.31
4	2.00	115.80	61.83
5	2.50	188.10	38.44
6	3.00	237.80	20.90
7	3.50	265.00	10.26
8	4.00	279.40	5.15
9	4.50	287.30	2.75
10	5.00	292.10	1.64
11	5.50	295.40	1.12
12	6.00	297.80	0.81
13	6.50	299.90	0.70
14	7.00	301.70	0.60
15	7.50	303.10	0.46
16	8.00	304.40	0.43
17	8.50	305.50	0.36
18	9.00	306.50	0.33
19	9.50	307.30	0.26
20	10.00	308.00	0.23
21	10.50	308.70	0.23
22	11.00	309.30	0.19

USER INPUT BLANK VALUE
BLANK VALUE = 8.359118 micrograms carbon
BLANK FACTOR = 8.359118 / 10.99884 = +7.6E-01 ug/min Carbon

SAMPLE RESULTS:
(309.3 - 8.359768)(1)/(1) = +3.009E+02 g/L Carbon
(309.3 - 8.359768)(1)/(1)(12) = +2.508E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{300.9}{.1014g} = 2.967E3$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 767 DUP Date: 04/22/96 Time: 11:10:21

Sample Size = 1 uL .1014g
Dil Factor = 1
Blank ID # =
Blank Value = 2.03 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.60	0.00
2	1.01	92.40	99.35
3	1.50	448.70	79.41
4	2.00	690.00	34.97
5	2.50	789.90	12.65
6	3.00	823.70	4.10
7	3.50	836.40	1.52
8	4.00	842.80	0.76
9	4.50	846.70	0.46
10	5.00	849.50	0.33
11	5.50	851.40	0.22
12	6.00	852.90	0.18
13	6.50	854.10	0.14
14	7.00	855.20	0.13
15	7.50	856.30	0.13
16	8.00	857.00	0.08
17	8.50	857.70	0.08
18	9.00	858.50	0.09
19	9.50	859.10	0.07
20	10.00	859.60	0.06
21	10.50	860.10	0.06
22	11.00	860.60	0.06

USER INPUT BLANK VALUE
BLANK VALUE = 22.32765 micrograms carbon
BLANK FACTOR = 22.32765 / 10.99884 = +2.0E+00 ug/min Carbon

SAMPLE RESULTS:
(860.6 - 22.3238)(1)/(1) = +8.383E+02 g/L Carbon
(860.6 - 22.3238)(1)/(1)(12) = +6.986E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jacque Steele
JL STEELE 00000

$\frac{838.3}{.1014g} = 8.267^{E3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 767 SPIKE Date: 04/22/96 Time: 11:23:07

Sample Size = 1 uL .0825g
Dil Factor = 1
Blank ID # =
Blank Value = .76 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

Reading	Analysis Time	Coulometer	% Difference
1	0.51	0.40	0.00
2	1.01	5.00	92.00
3	1.51	79.10	93.68
4	2.00	216.90	63.53
5	2.50	349.60	37.96
6	3.00	441.50	20.82
7	3.50	493.20	10.48
8	4.00	519.80	5.12
9	4.50	531.90	2.27
10	5.00	537.90	1.12
11	5.50	541.70	0.70
12	6.00	544.70	0.55
13	6.50	546.90	0.40
14	7.00	548.80	0.35
15	7.50	550.50	0.31
16	8.00	551.90	0.25
17	8.50	553.10	0.22
18	9.00	554.20	0.20
19	9.50	555.30	0.20
20	10.00	556.10	0.14
21	10.50	556.80	0.13
22	11.00	557.70	0.16

USER INPUT BLANK VALUE
BLANK VALUE = 8.359118 micrograms carbon
BLANK FACTOR = 8.359118 / 10.99884 = +7.6E-01 ug/min Carbon

SAMPLE RESULTS:
(557.7 - 8.361159)(1)/(1) = +5.493E+02 g/L Carbon
(557.7 - 8.361159)(1)/(1)(12) = +4.578E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

1351

$$\frac{557.70}{\frac{218.40}{.0680} \times .0825 + 300} = \frac{557.70}{564.97} = 98.71\%$$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 767 SPIKE Date: 04/22/96 Time: 11:35:18

Sample Size = 1 uL .0825g +.100ml 16N12-E
Dil Factor = 1
Blank ID # =
Blank Value = 2.03 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.00	0.00
2	1.01	75.10	98.67
3	1.51	458.40	83.62
4	2.00	815.40	43.78
5	2.50	994.70	18.03
6	3.00	1056.60	5.86
7	3.50	1080.50	2.21
8	4.00	1090.20	0.89
9	4.50	1095.00	0.44
10	5.00	1098.20	0.29
11	5.50	1101.00	0.25
12	6.00	1103.20	0.20
13	6.50	1105.00	0.16
14	7.00	1106.40	0.13
15	7.50	1107.70	0.12
16	8.00	1108.70	0.09
17	8.50	1109.60	0.08
18	9.00	1110.50	0.08
19	9.50	1111.30	0.07
20	10.00	1112.00	0.06
21	10.50	1112.70	0.06
22	11.00	1113.40	0.06

USER INPUT BLANK VALUE
BLANK VALUE = 22.32765 micrograms carbon
BLANK FACTOR = 22.32765 / 10.99884 = +2.0E+00 ug/min Carbon

SAMPLE RESULTS:
(1113.4 - 22.32765)(1)/(1) = +1.0911E+03 g/L Carbon
(1113.4 - 22.32765)(1)/(1)(12) = +9.0923E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$$\frac{1113.40}{\frac{540.40}{.0680} \times .0825 + 300} = \frac{1113.40}{955.63} = 116.51\%$$

1352

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000768 Date: 04/22/96 Time: 11:48:33

Sample Size = 1 uL .0843g
Dil Factor = 1
Blank ID # =
Blank Value = .76 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.80	0.00
2	1.01	4.40	81.82
3	1.50	78.40	94.39
4	2.00	274.50	71.44
5	2.50	467.30	41.26
6	3.00	583.70	19.94
7	3.50	641.30	8.98
8	4.00	669.00	4.14
9	4.50	681.50	1.83
10	5.00	687.80	0.92
11	5.50	691.70	0.56
12	6.00	694.70	0.43
13	6.50	697.00	0.33
14	7.00	699.10	0.30
15	7.50	700.80	0.24
16	8.00	702.30	0.21
17	8.50	703.70	0.20
18	9.00	704.90	0.17
19	9.50	706.10	0.17
20	10.00	707.20	0.16
21	10.50	708.10	0.13
22	11.00	708.90	0.11

USER INPUT BLANK VALUE
BLANK VALUE = 8.359118 micrograms carbon
BLANK FACTOR = 8.359118 / 10.99884 = +7.6E-01 ug/min Carbon

SAMPLE RESULTS:
(708.9 - 8.360557)(1)/(1) = +7.005E+02 g/L Carbon
(708.9 - 8.360557)(1)/(1)(12) = +5.838E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{700.5}{.0843g} = 8.310E3$

1353

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000768 Date: 04/22/96 Time: 12:01:09

Sample Size = 1 uL .0843g
Dil Factor = 1
Blank ID # =
Blank Value = 2.03 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.40	0.00
2	1.01	94.30	98.52
3	1.51	321.40	70.66
4	2.01	471.10	31.78
5	2.51	538.80	12.56
6	3.01	562.10	4.15
7	3.51	569.60	1.32
8	4.01	573.20	0.63
9	4.50	575.40	0.38
10	5.00	577.00	0.28
11	5.50	578.50	0.26
12	6.00	579.60	0.19
13	6.50	580.50	0.16
14	7.00	581.40	0.15
15	7.50	582.10	0.12
16	8.00	582.90	0.14
17	8.50	583.50	0.10
18	9.00	584.30	0.14
19	9.50	585.00	0.12
20	10.00	585.50	0.09
21	10.50	586.00	0.09
22	11.00	586.50	0.09

USER INPUT BLANK VALUE
BLANK VALUE = 22.32765 micrograms carbon
BLANK FACTOR = 22.32765 / 10.99884 = +2.0E+00 ug/min Carbon

SAMPLE RESULTS:
(586.5 - 22.3331)(1)/(1) = +5.642E+02 g/L Carbon
(586.5 - 22.3331)(1)/(1)(12) = +4.701E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jaenie Steele
JL STEELE 00000

$\frac{564.2}{.0843g} = 6.693^{E3}$

1354

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 768 DUP Date: 04/22/96 Time: 13:35:42

Sample Size = 1 uL .1114g
Dil Factor = 1
Blank ID # =
Blank Value = .76 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.90	0.00
2	1.01	6.10	85.25
3	1.51	94.80	93.57
4	2.00	326.60	70.97
5	2.50	561.20	41.80
6	3.00	728.90	23.01
7	3.50	827.90	11.96
8	4.00	885.10	6.46
9	4.50	917.50	3.53
10	5.00	933.60	1.72
11	5.50	942.50	0.94
12	6.00	948.00	0.58
13	6.50	952.30	0.45
14	7.00	956.20	0.41
15	7.50	959.30	0.32
16	8.00	962.10	0.29
17	8.50	964.50	0.25
18	9.00	966.90	0.25
19	9.50	968.90	0.21
20	10.00	970.80	0.20
21	10.50	972.50	0.17
22	11.00	974.00	0.15

USER INPUT BLANK VALUE
BLANK VALUE = 8.359118 micrograms carbon
BLANK FACTOR = 8.359118 / 10.99884 = +7.6E-01 ug/min Carbon

SAMPLE RESULTS:
(974 - 8.359768)(1)/(1) = +9.656E+02 g/L Carbon
(974 - 8.359768)(1)/(1)(12) = +8.047E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{965.6}{.1114g} = 8.668^{E3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 768 DUP Date: 04/22/96 Time: 13:48:25

Sample Size = 1 uL .11149
Dil Factor = 1
Blank ID # =
Blank Value = 2.03 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	2.40	0.00
2	1.01	52.10	95.39
3	1.50	307.70	83.07
4	2.00	549.50	44.00
5	2.50	691.90	20.58
6	3.00	751.70	7.96
7	3.50	776.10	3.14
8	4.00	784.60	1.08
9	4.50	788.90	0.55
10	5.00	792.00	0.39
11	5.50	794.50	0.31
12	6.00	796.70	0.28
13	6.50	798.10	0.18
14	7.00	799.40	0.16
15	7.50	800.70	0.16
16	8.00	801.80	0.14
17	8.50	803.00	0.15
18	9.00	804.10	0.14
19	9.50	804.90	0.10
20	10.00	805.70	0.10
21	10.50	806.70	0.12
22	11.00	807.40	0.09

USER INPUT BLANK VALUE
BLANK VALUE = 22.32765 micrograms carbon
BLANK FACTOR = 22.32765 / 10.99884 = +2.0E+00 ug/min Carbon

SAMPLE RESULTS:
(807.4 - 22.3274)(1)/(1) = +7.851E+02 g/L Carbon
(807.4 - 22.3274)(1)/(1)(12) = +6.542E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{785.1}{.1114} = 7.048E3$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000769 Date: 04/22/96 Time: 12:47:49

Sample Size = 1 uL .0794g
Dil Factor = 1
Blank ID # =
Blank Value = .76 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.90	0.00
2	1.01	3.80	76.32
3	1.51	72.80	94.78
4	2.00	286.30	74.57
5	2.50	475.50	39.79
6	3.00	583.60	18.52
7	3.50	644.70	9.48
8	4.00	675.40	4.55
9	4.50	689.30	2.02
10	5.00	696.30	1.01
11	5.50	700.90	0.66
12	6.00	704.30	0.48
13	6.50	707.00	0.38
14	7.00	709.60	0.37
15	7.50	711.60	0.28
16	8.00	713.40	0.25
17	8.50	715.10	0.24
18	9.00	716.60	0.21
19	9.50	717.90	0.18
20	10.00	719.30	0.19
21	10.50	720.40	0.15
22	11.00	721.50	0.15

USER INPUT BLANK VALUE
BLANK VALUE = 8.359118 micrograms carbon
BLANK FACTOR = 8.359118 / 10.99884 = +7.6E-01 ug/min Carbon

SAMPLE RESULTS:
(721.5 - 8.360464)(1)/(1) = +7.131E+02 g/L Carbon
(721.5 - 8.360464)(1)/(1)(12) = +5.943E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{713.1}{.0794g} = 8.981E3$

1357

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000769 Date: 04/22/96 Time: 12:59:54

Sample Size = 1 uL .0794g
Dil Factor = 1
Blank ID # =
Blank Value = 2.03 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.50	0.00
2	1.01	48.80	96.93
3	1.50	219.30	77.75
4	2.00	333.40	34.22
5	2.50	380.60	12.40
6	3.00	396.00	3.89
7	3.50	401.10	1.27
8	4.00	403.90	0.69
9	4.50	405.80	0.47
10	5.00	407.20	0.34
11	5.50	408.40	0.29
12	6.00	409.70	0.32
13	6.50	410.80	0.27
14	7.00	411.80	0.24
15	7.50	412.70	0.22
16	8.00	413.60	0.22
17	8.50	414.40	0.19
18	9.00	415.20	0.19
19	9.50	415.90	0.17
20	10.00	416.60	0.17
21	10.50	417.30	0.17
22	11.00	417.90	0.14

USER INPUT BLANK VALUE
BLANK VALUE = 22.32765 micrograms carbon
BLANK FACTOR = 22.32765 / 10.99884 = +2.0E+00 ug/min Carbon

SAMPLE RESULTS:
(417.9 - 22.32765)(1)/(1) = +3.956E+02 g/L Carbon
(417.9 - 22.32765)(1)/(1)(12) = +3.296E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{395.6}{.0794g} = 4.982^{E3}$

1358

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 769 DUP Date: 04/22/96 Time: 13:11:50

Sample Size = 1 uL .0931g
Dil Factor = 1
Blank ID # =
Blank Value = .76 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.70	0.00
2	1.01	5.50	87.27
3	1.51	106.60	94.84
4	2.00	335.00	68.18
5	2.50	530.40	36.84
6	3.00	659.60	19.59
7	3.50	733.20	10.04
8	4.00	774.90	5.38
9	4.50	796.00	2.65
10	5.00	806.30	1.28
11	5.50	812.10	0.71
12	6.00	816.60	0.55
13	6.50	820.10	0.43
14	7.00	823.10	0.36
15	7.50	825.80	0.33
16	8.00	828.10	0.28
17	8.50	830.00	0.23
18	9.00	831.80	0.22
19	9.50	833.40	0.19
20	10.00	834.90	0.18
21	10.50	836.20	0.16
22	11.00	837.40	0.14

USER INPUT BLANK VALUE
BLANK VALUE = 8.359118 micrograms carbon
BLANK FACTOR = 8.359118 / 10.99884 = +7.6E-01 ug/min Carbon

SAMPLE RESULTS:
(837.4 - 8.358377)(1)/(1) = +8.290E+02 g/L Carbon
(837.4 - 8.358377)(1)/(1)(12) = +6.909E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{829.0}{.0931g} = 8.904E3$

1359

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 769 DUP .0931g Date: 04/22/96 Time: 13:23:46

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.03 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.80	0.00
2	1.01	66.00	97.27
3	1.51	236.50	72.09
4	2.00	361.20	34.52
5	2.50	424.10	14.83
6	3.00	450.40	5.84
7	3.51	458.70	1.81
8	4.01	462.70	0.86
9	4.50	465.30	0.56
10	5.00	467.20	0.41
11	5.50	468.80	0.34
12	6.00	470.00	0.26
13	6.50	471.10	0.23
14	7.00	472.30	0.25
15	7.50	473.20	0.19
16	8.00	474.20	0.21
17	8.50	475.20	0.21
18	9.00	475.90	0.15
19	9.50	476.70	0.17
20	10.00	477.60	0.19
21	10.50	478.20	0.13
22	11.00	479.00	0.17

USER INPUT BLANK VALUE
BLANK VALUE = 22.32765 micrograms carbon
BLANK FACTOR = 22.32765 / 10.99884 = +2.0E+00 ug/min Carbon

SAMPLE RESULTS:
(479 - 22.33136)(1)/(1) = +4.567E+02 g/L Carbon
(479 - 22.33136)(1)/(1)(12) = +3.806E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{456.7}{.0931g} = 4.905^{E3}$

1360

worklistrpt Version 2.1 05/15/95
03/04/96 14:33

LABCORE Data Entry Template for Worklist# 6110

Analyst: JLS2 **Instrument:** CARB2 _____ **Book #** ~~22N12-A~~ 22N12-A TIC 16N12-E TOC

Method: LA-342-100 Rev/Mod D-0

Worklist Comment: S102 @TICOC1 RTS!

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				@TICTOC1 TIC-02	LIQUID	1	3.3	N/A	ug/mL
		1	BLNK				@TICTOC1 TOC-02	LIQUID	1	5.3	N/A	ug/mL
		2	STD				@TICTOC1 TIC-02	LIQUID	6.02E2	6.07E2	N/A	ug/mL
		2	STD				@TICTOC1 TOC-02	LIQUID	3.00E3	2.90E3	N/A	ug/mL
96000030	S102	3	SAMPLE	S96T000773	0		@TICTOC1 TIC-02	LIQUID	N/A	5.35E3	5.00	ug/mL
96000030	S102	3	SAMPLE	S96T000773	0		@TICTOC1 TOC-02	LIQUID	N/A	2.48E3	40.0	ug/mL
96000030	S102	4	DUP	S96T000773	0		@TICTOC1 TIC-02	LIQUID	5.35E3	5.69E3	N/A	ug/mL
96000030	S102	4	DUP	S96T000773	0		@TICTOC1 TOC-02	LIQUID	2.48E3	2.90E3	N/A	ug/mL
96000030	S102	5	SPK	S96T000773	0		@TICTOC1 TIC-02	LIQUID	100	101	N/A	ug/mL
96000030	S102	5	SPK	S96T000773	0		@TICTOC1 TOC-02	LIQUID	100	96	N/A	ug/mL
96000030	S102	6	SAMPLE	S96T000634	0		@TICTOC1 TIC-02	LIQUID	N/A	3.09E3	5.00	~~ug/mL~~ RWS 4/26/96 mg/g
96000030	S102	6	SAMPLE	S96T000634	0		@TICTOC1 TOC-02	LIQUID	N/A	3.11E3	40.0	~~ug/mL~~ RWS 4/26/96 mg/g
96000030	S102	7	DUP	S96T000634	0		@TICTOC1 TIC-02	LIQUID	3.09E3	3.28E3	N/A	~~ug/mL~~ mg/g RWS 4/26/96
96000030	S102	7	DUP	S96T000634	0		@TICTOC1 TOC-02	LIQUID	3.11E3	3.08E3	N/A	~~ug/mL~~ mg/g RWS 4/26/96
96000030	S102	8	SAMPLE	S96T000838	0		@TICTOC1 TIC-02	LIQUID	N/A	1.58E2	5.00	ug/mL
96000030	S102	8	SAMPLE	S96T000838	0		@TICTOC1 TOC-02	LIQUID	N/A	9.76E1	40.0	ug/mL
96000030	S102	9	DUP	S96T000838	0		@TICTOC1 TIC-02	LIQUID	1.58E2	1.02E2	N/A	ug/mL
96000030	S102	9	DUP	S96T000838	0		@TICTOC1 TOC-02	LIQUID	9.76E1	~~9.70E1~~ 9.77E1	N/A	ug/mL RWS 4/26/96

Data Entry Comments:
S96T000634 - used weight in g (not ml). Sample was too slippery. would not stay in pipet tip. Also, there was very little sample left.

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 6110

GROUP	PROJECT	S TYPE	SAMPLE#	R A -------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT

Final page for worklist # 6110

Jacque Steele 4/25/96
Analyst Signature Date

N E Wright 4/26/96
Analyst Signature Date

Reviewed Ron Schroeder
4/26/96

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
<<< BLANK ANALYSIS >>>

Sample: BASELINE Date: 04/25/96 Time: 10:13:08

Sample Size = 1 uL
Dil Factor = 1
Blank ID # = BASELINE
Blank Value = N/A

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.30	0.00
2	1.01	0.90	66.67
3	1.51	1.40	35.71
4	2.01	1.70	17.65
5	2.51	2.00	15.00
6	3.00	2.20	9.09
7	3.50	2.40	8.33
8	4.00	2.60	7.69
9	4.50	2.80	7.14
10	5.00	3.00	6.67
11	5.50	3.20	6.25
12	6.00	3.30	3.03
13	6.50	3.50	5.71
14	7.00	3.70	5.41
15	7.50	3.80	2.63
16	8.00	3.90	2.56
17	8.50	4.10	4.88
18	9.00	4.30	4.65
19	9.50	4.50	4.44
20	10.00	4.70	4.26
21	10.50	4.80	2.08
22	11.00	5.00	4.00

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 1363 TO 1382

BLANK VALUE = 5 micrograms carbon
BLANK FACTOR = 5 / 11.00146 = +4.5E-01 ug/min Carbon

Sample Run By: Jackie Steele 4/25/96
JL STEELE 00000

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
<<< BLANK ANALYSIS >>>

Sample: BASELINE Date: 04/25/96 Time: 10:26:09

Sample Size = 1 uL
Dil Factor = 1
Blank ID # = BASELINE
Blank Value = N/A

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.10	0.00
2	1.01	0.70	85.71
3	1.51	2.80	75.00
4	2.00	8.80	68.18
5	2.50	13.60	35.29
6	3.01	16.10	15.53
7	3.51	17.20	6.40
8	4.01	18.00	4.44
9	4.50	18.40	2.17
10	5.00	18.90	2.65
11	5.50	19.40	2.58
12	6.00	19.80	2.02
13	6.50	20.20	1.98
14	7.00	20.60	1.94
15	7.50	20.90	1.44
16	8.00	21.30	1.88
17	8.50	21.60	1.39
18	9.00	21.90	1.37
19	9.50	22.30	1.79
20	10.00	22.50	0.89
21	10.50	22.90	1.75
22	11.00	23.40	2.14

BLANK VALUE = 23.4 micrograms carbon
BLANK FACTOR = 23.4 / 11.00244 = +2.13E+00 ug/min Carbon

<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 22N12A Date: 04/25/96 Time: 10:38:37

Sample Size = 1 uL 1ml
Dil Factor = 1
Blank ID # =
Blank Value = .45 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.30	0.00
2	1.00	65.50	98.02
3	1.50	243.00	73.05
4	2.00	407.30	40.34
5	2.50	509.60	20.07
6	3.00	566.20	10.00
7	3.50	592.10	4.37
8	4.00	602.30	1.69
9	4.50	606.10	0.63
10	5.00	607.90	0.30
11	5.50	608.60	0.12
12	6.00	609.00	0.07
13	6.50	609.50	0.08
14	7.00	609.80	0.05
15	7.50	610.10	0.05
16	8.00	610.40	0.05
17	8.50	610.70	0.05
18	9.00	611.00	0.05
19	9.50	611.30	0.05
20	10.00	611.50	0.03
21	10.50	611.70	0.03
22	11.00	611.90	0.03

USER INPUT BLANK VALUE
BLANK VALUE = 4.951098 micrograms carbon
BLANK FACTOR = 4.951098 / 11.00244 = +4.5E-01 ug/min Carbon

SAMPLE RESULTS:
(611.9 - 4.949862)(1)/(1) = +6.070E+02 g/L Carbon
(611.9 - 4.949862)(1)/(1)(12) = +5.058E+01 Molar Carbon

Sample Run By: Jacque Steele
JL STEELE 00000

$\frac{607.0}{602} = 100.832$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 16N12E Date: 04/25/96 Time: 10:50:36

Sample Size = 1 uL .200ml
Dil Factor = 1
Blank ID # =
Blank Value = 2.13 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	9.00	97.78
3	1.51	99.50	90.95
4	2.00	330.70	69.91
5	2.50	490.30	32.55
6	3.00	549.00	10.69
7	3.50	565.50	2.92
8	4.00	570.60	0.89
9	4.50	572.40	0.31
10	5.00	578.30	1.02
11	5.50	588.10	1.67
12	6.00	593.20	0.86
13	6.50	596.60	0.57
14	7.00	597.90	0.22
15	7.50	599.20	0.22
16	8.00	600.10	0.15
17	8.50	600.90	0.13
18	9.00	601.50	0.10
19	9.50	601.90	0.07
20	10.00	602.50	0.10
21	10.50	603.00	0.08
22	11.00	603.40	0.07

USER INPUT BLANK VALUE
BLANK VALUE = 23.4352 micrograms carbon
BLANK FACTOR = 23.4352 / 11.00244 = +2.1E+00 ug/min Carbon

SAMPLE RESULTS:
(603.4 - 23.42961)(1)/(1) = +5.800E+02 g/L Carbon
(603.4 - 23.42961)(1)/(1)(12) = +4.833E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jeanne Steele
JL STEELE 00000

$\frac{580.0}{.200ml} = \frac{2900}{3000} = 96.672$

1366

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 04/25/96 Time: 11:02:33

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .45 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.50	0.00
2	1.01	2.40	79.17
3	1.51	3.40	29.41
4	2.01	4.10	17.07
5	2.51	4.50	8.89
6	3.01	4.70	4.26
7	3.50	5.00	6.00
8	4.00	5.30	5.66
9	4.50	5.50	3.64
10	5.00	5.80	5.17
11	5.50	5.90	1.69
12	6.00	6.20	4.84
13	6.50	6.40	3.13
14	7.00	6.60	3.03
15	7.50	6.80	2.94
16	8.00	7.00	2.86
17	8.50	7.30	4.11
18	9.00	7.50	2.67
19	9.50	7.70	2.60
20	10.00	7.90	2.53
21	10.50	8.10	2.47
22	11.00	8.30	2.41

USER INPUT BLANK VALUE
BLANK VALUE = 4.951098 micrograms carbon
BLANK FACTOR = 4.951098 / 11.00244 = +4.5E-01 ug/min Carbon

SAMPLE RESULTS:
(8.3 - 4.950274)(1)/(1) = +3.3E+00 g/L Carbon
(8.3 - 4.950274)(1)/(1)(12) = +2.8E-01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

|8.3 - 5.0| = 3.3

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 04/25/96 Time: 11:16:58

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.13 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	1.40	85.71
3	1.51	4.60	69.57
4	2.00	9.20	50.00
5	2.50	11.30	18.58
6	3.00	11.80	4.24
7	3.50	13.00	9.23
8	4.00	13.40	2.99
9	4.50	13.90	3.60
10	5.00	14.40	3.47
11	5.50	14.70	2.04
12	6.00	15.10	2.65
13	6.50	15.50	2.58
14	7.00	15.80	1.90
15	7.50	16.20	2.47
16	8.00	16.40	1.22
17	8.50	16.60	1.20
18	9.00	17.00	2.35
19	9.50	17.20	1.16
20	10.00	17.50	1.71
21	10.50	17.80	1.69
22	11.00	18.10	1.66

USER INPUT BLANK VALUE
BLANK VALUE = 23.4352 micrograms carbon
BLANK FACTOR = 23.4352 / 11.00244 = +2.1E+00 ug/min Carbon

SAMPLE RESULTS:
(18.1 - 23.43143)(1)/(1) = < 5.00 E-3 g/L Carbon
(18.1 - 23.43143)(1)/(1)(12) = < 4.17 E-4 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

|18.10-23.40| = 5.3

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000773 Date: 04/25/96 Time: 11:32:37

Sample Size = 1 uL .100ml
Dil Factor = 1
Blank ID # =
Blank Value = .45 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	10.90	98.17
3	1.50	116.30	90.63
4	2.00	266.60	56.38
5	2.50	382.00	30.21
6	3.00	448.40	14.81
7	3.50	482.40	7.05
8	4.00	498.80	3.29
9	4.50	508.70	1.95
10	5.00	515.20	1.26
11	5.50	519.50	0.83
12	6.00	523.40	0.75
13	6.50	526.50	0.59
14	7.00	529.20	0.51
15	7.50	531.40	0.41
16	8.00	533.30	0.36
17	8.50	534.90	0.30
18	9.00	536.20	0.24
19	9.50	537.20	0.19
20	10.00	538.20	0.19
21	10.50	538.90	0.13
22	11.00	539.70	0.15

USER INPUT BLANK VALUE
BLANK VALUE = 4.951098 micrograms carbon
BLANK FACTOR = 4.951098 / 11.00244 = +4.5E-01 ug/min Carbon

SAMPLE RESULTS:
(539.7 - 4.949835)(1)/(1) = +5.348E+02 g/L Carbon
(539.7 - 4.949835)(1)/(1)(12) = +4.456E+01 Molar Carbon

Sample Run By: Jacque Steele
JL STEELE 00000

$\frac{534.8}{.100ml} = 5.348E3$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000773 Date: 04/25/96 Time: 11:44:48

Sample Size = 1 uL .100ml
Dil Factor = 1
Blank ID # =
Blank Value = 2.13 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.60	0.00
2	1.01	5.90	89.83
3	1.50	57.10	89.67
4	2.00	148.40	61.52
5	2.50	211.00	29.67
6	3.00	236.50	10.78
7	3.50	242.50	2.47
8	4.00	249.20	2.69
9	4.50	253.10	1.54
10	5.00	257.40	1.67
11	5.50	260.70	1.27
12	6.00	263.00	0.87
13	6.50	264.20	0.45
14	7.00	265.40	0.45
15	7.50	266.40	0.38
16	8.00	267.20	0.30
17	8.50	268.00	0.30
18	9.00	268.70	0.26
19	9.50	269.40	0.26
20	10.00	270.10	0.26
21	10.50	270.60	0.18
22	11.00	271.10	0.18

USER INPUT BLANK VALUE
BLANK VALUE = 23.4352 micrograms carbon
BLANK FACTOR = 23.4352 / 11.00244 = +2.1E+00 ug/min Carbon

SAMPLE RESULTS:
(271.1 - 23.43143)(1)/(1) = +2.477E+02 g/L Carbon
(271.1 - 23.43143)(1)/(1)(12) = +2.064E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{247.7}{.100ml} = 2.47743$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 773 DUP Date: 04/25/96 Time: 11:57:45

Sample Size = 1 uL .100ml
Dil Factor = 1
Blank ID # =
Blank Value = .45 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.50	0.00
2	1.01	12.20	95.90
3	1.51	121.60	89.97
4	2.00	273.90	55.60
5	2.50	393.40	30.38
6	3.01	465.20	15.43
7	3.51	504.50	7.79
8	4.01	524.10	3.74
9	4.50	535.00	2.04
10	5.00	542.60	1.40
11	5.50	548.40	1.06
12	6.00	553.00	0.83
13	6.50	556.90	0.70
14	7.00	560.10	0.57
15	7.50	563.10	0.53
16	8.00	565.40	0.41
17	8.50	567.60	0.39
18	9.00	569.00	0.25
19	9.50	570.60	0.28
20	10.00	572.00	0.24
21	10.50	573.10	0.19
22	11.00	574.10	0.17

USER INPUT BLANK VALUE
BLANK VALUE = 4.951098 micrograms carbon
BLANK FACTOR = 4.951098 / 11.00244 = +4.5E-01 ug/min Carbon

SAMPLE RESULTS:
(574.1 - 4.951098)(1)/(1) = +5.691E+02 g/L Carbon
(574.1 - 4.951098)(1)/(1)(12) = +4.743E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{569.1}{.100ml} = 5.691E3$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 773 DUP Date: 04/25/96 Time: 12:09:58

Sample Size = 1 uL .100ml
Dil Factor = 1
Blank ID # =
Blank Value = 2.13 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.90	0.00
2	1.01	5.20	82.69
3	1.51	41.80	87.56
4	2.00	124.40	66.40
5	2.50	202.30	38.51
6	3.00	239.60	15.57
7	3.50	255.70	6.30
8	4.00	261.40	2.18
9	4.50	266.30	1.84
10	5.00	269.90	1.33
11	5.50	276.70	2.46
12	6.00	288.30	4.02
13	6.50	296.20	2.67
14	7.00	301.20	1.66
15	7.50	304.50	1.08
16	8.00	306.40	0.62
17	8.50	308.30	0.62
18	9.00	309.60	0.42
19	9.50	310.80	0.39
20	10.00	311.80	0.32
21	10.50	312.60	0.26
22	11.00	313.60	0.32

USER INPUT BLANK VALUE
BLANK VALUE = 23.4352 micrograms carbon
BLANK FACTOR = 23.4352 / 11.00244 = +2.1E+00 ug/min Carbon

SAMPLE RESULTS:
(313.6 - 23.42935)(1)/(1) = +2.902E+02 g/L Carbon
(313.6 - 23.42935)(1)/(1)(12) = +2.418E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{290.2}{.100ml} = 2.902E3$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 773 SPIKE Date: 04/25/96 Time: 12:24:03

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .45 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.50	0.00
2	1.01	26.80	98.13
3	1.51	213.80	87.46
4	2.00	449.20	52.40
5	2.50	619.70	27.51
6	3.00	712.80	13.06
7	3.50	761.40	6.38
8	4.00	787.30	3.29
9	4.50	800.60	1.66
10	5.00	808.80	1.01
11	5.50	815.60	0.83
12	6.00	820.70	0.62
13	6.50	825.10	0.53
14	7.00	828.60	0.42
15	7.50	832.10	0.42
16	8.00	835.10	0.36
17	8.50	837.40	0.27
18	9.00	839.60	0.26
19	9.50	841.60	0.24
20	10.00	843.40	0.21
21	10.50	844.90	0.18
22	11.00	846.30	0.17

USER INPUT BLANK VALUE
BLANK VALUE = 4.951098 micrograms carbon
BLANK FACTOR = 4.951098 / 11.00244 = +4.5E-01 ug/min Carbon

SAMPLE RESULTS:
(846.3 - 4.949478)(1)/(1) = +8.414E+02 g/L Carbon
(846.3 - 4.949478)(1)/(1)(12) = +7.011E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$$\frac{846.30}{539.70+300} = \frac{846.30}{839.70} = 100.79\%$$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 773 SPIKE Date: 04/25/96 Time: 12:36:07

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.13 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.70	0.00
2	1.01	9.70	82.47
3	1.51	82.70	88.27
4	2.01	262.20	68.46
5	2.51	428.10	38.75
6	3.01	493.60	13.27
7	3.51	517.70	4.66
8	4.01	525.90	1.56
9	4.50	530.40	0.85
10	5.00	533.50	0.58
11	5.50	536.20	0.50
12	6.00	538.30	0.39
13	6.50	539.80	0.28
14	7.00	541.60	0.33
15	7.50	542.80	0.22
16	8.00	544.20	0.26
17	8.50	545.20	0.18
18	9.00	546.20	0.18
19	9.50	547.20	0.18
20	10.00	548.20	0.18
21	10.50	549.10	0.16
22	11.00	549.90	0.15

USER INPUT BLANK VALUE
BLANK VALUE = 23.4352 micrograms carbon
BLANK FACTOR = 23.4352 / 11.00244 = +2.1E+00 ug/min Carbon

SAMPLE RESULTS:
(549.9 - 23.42935)(1)/(1) = +5.265E+02 g/L Carbon
(549.9 - 23.42935)(1)/(1)(12) = +4.387E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jacque Steele
JL STEELE 00000

$\frac{549.90}{271.10 + 300} = \frac{549.90}{571.10} = 96.29\%$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000634 Date: 04/25/96 Time: 12:51:38

Sample Size = 1 uL · 0923g
Dil Factor = 1
Blank ID # =
Blank Value = .45 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.70	0.00
2	1.01	2.80	75.00
3	1.50	14.40	80.56
4	2.00	49.30	70.79
5	2.50	87.30	43.53
6	3.00	128.70	32.17
7	3.50	175.00	26.46
8	4.00	205.90	15.01
9	4.50	224.20	8.16
10	5.00	236.70	5.28
11	5.50	246.10	3.82
12	6.00	253.50	2.92
13	6.50	259.90	2.46
14	7.00	265.00	1.92
15	7.50	269.70	1.74
16	8.00	273.50	1.39
17	8.50	277.40	1.41
18	9.00	280.10	0.96
19	9.50	283.20	1.09
20	10.00	285.90	0.94
21	10.50	288.30	0.83
22	11.00	290.50	0.76

USER INPUT BLANK VALUE
BLANK VALUE = 4.951098 micrograms carbon
BLANK FACTOR = 4.951098 / 11.00244 = +4.5E-01 ug/min Carbon

SAMPLE RESULTS:
(290.5 - 4.949862)(1)/(1) = +2.856E+02 g/L Carbon
(290.5 - 4.949862)(1)/(1)(12) = +2.380E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{285.6}{.0923g} = 3.094^{e3}$ mg/g

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000634 Date: 04/25/96 Time: 13:03:40

Sample Size = 1 uL .0923g
Dil Factor = 1
Blank ID # =
Blank Value = 2.13 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	2.60	0.00
2	1.01	11.30	76.99
3	1.50	59.80	81.10
4	2.00	162.40	63.18
5	2.50	235.50	31.04
6	3.00	266.00	11.47
7	3.50	277.40	4.11
8	4.00	284.80	2.60
9	4.50	289.10	1.49
10	5.00	292.40	1.13
11	5.50	294.80	0.81
12	6.00	296.90	0.71
13	6.50	298.90	0.67
14	7.00	300.60	0.57
15	7.50	302.10	0.50
16	8.00	303.50	0.46
17	8.50	304.90	0.46
18	9.00	306.10	0.39
19	9.50	307.20	0.36
20	10.00	308.40	0.39
21	10.50	309.50	0.36
22	11.00	310.50	0.32

USER INPUT BLANK VALUE
BLANK VALUE = 23.4352 micrograms carbon
BLANK FACTOR = 23.4352 / 11.00244 = +2.1E+00 ug/min Carbon

SAMPLE RESULTS:
(310.5 - 23.4274)(1)/(1) = +2.871E+02 g/L Carbon
(310.5 - 23.4274)(1)/(1)(12) = +2.392E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{287.1}{.0923g} = 3.110^{E3}$ mg/g

1376

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 634 DUP Date: 04/25/96 Time: 13:17:06

Sample Size = 1 uL .0857g
Dil Factor = 1
Blank ID # =
Blank Value = .45 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

Reading	Analysis Time	Coulometer	% Difference
1	0.51	1.10	0.00
2	1.01	2.80	60.71
3	1.51	11.50	75.65
4	2.00	34.30	66.47
5	2.50	60.60	43.40
6	3.00	89.20	32.06
7	3.50	131.40	32.12
8	4.00	173.90	24.44
9	4.50	201.80	13.83
10	5.00	219.00	7.85
11	5.50	230.90	5.15
12	6.00	240.00	3.79
13	6.50	247.60	3.07
14	7.00	254.20	2.60
15	7.50	259.70	2.12
16	8.00	264.60	1.85
17	8.50	268.40	1.42
18	9.00	272.30	1.43
19	9.50	276.00	1.34
20	10.00	278.60	0.93
21	10.50	281.30	0.96
22	11.00	283.80	0.88

USER INPUT BLANK VALUE
BLANK VALUE = 4.951098 micrograms carbon
BLANK FACTOR = 4.951098 / 11.00244 = +4.5E-01 ug/min Carbon

SAMPLE RESULTS:
(283.8 - 4.949478)(1)/(1) = +2.789E+02 g/L Carbon
(283.8 - 4.949478)(1)/(1)(12) = +2.324E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{278.9}{.0857g} = 3.277^{E3}$ Mg/g

1377

WHC-SD-WM-DP-173, REV. 1

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 634 DUP Date: 04/25/96 Time: 13:30:14

Sample Size = 1 uL .0851g
Dil Factor = 1
Blank ID # =
Blank Value = 2.13 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	3.10	0.00
2	1.01	8.40	63.10
3	1.51	49.60	83.06
4	2.00	141.00	64.82
5	2.51	210.90	33.14
6	3.00	241.70	12.74
7	3.50	253.30	4.58
8	4.00	259.20	2.28
9	4.50	263.30	1.56
10	5.00	266.40	1.16
11	5.50	268.90	0.93
12	6.00	271.00	0.77
13	6.50	273.20	0.81
14	7.00	274.90	0.62
15	7.50	276.50	0.58
16	8.00	278.10	0.58
17	8.50	279.40	0.47
18	9.00	280.80	0.50
19	9.50	282.10	0.46
20	10.00	283.40	0.46
21	10.50	284.50	0.39
22	11.00	285.70	0.42

USER INPUT BLANK VALUE
BLANK VALUE = 23.4352 micrograms carbon
BLANK FACTOR = 23.4352 / 11.00244 = +2.1E+00 ug/min Carbon

SAMPLE RESULTS:
(285.7 - 23.43364)(1)/(1) = +2.623E+02 g/L Carbon
(285.7 - 23.43364)(1)/(1)(12) = +2.186E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

262.3
.0851g = 3.082E3 Mg/g

1378

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000838 Date: 04/25/96 Time: 13:42:04

Sample Size = 1 uL .100ml
Dil Factor = 1
Blank ID # =
Blank Value = .45 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.60	0.00
2	1.01	3.80	57.89
3	1.50	5.50	30.91
4	2.00	6.70	17.91
5	2.50	7.70	12.99
6	3.00	8.60	10.47
7	3.50	9.50	9.47
8	4.00	10.30	7.77
9	4.50	11.00	6.36
10	5.00	11.80	6.78
11	5.50	12.70	7.09
12	6.00	13.50	5.93
13	6.50	14.20	4.93
14	7.00	14.90	4.70
15	7.50	15.80	5.70
16	8.00	16.30	3.07
17	8.50	17.10	4.68
18	9.00	17.90	4.47
19	9.50	18.50	3.24
20	10.00	19.40	4.64
21	10.50	20.10	3.48
22	11.00	20.70	2.90

USER INPUT BLANK VALUE
BLANK VALUE = 4.951098 micrograms carbon
BLANK FACTOR = 4.951098 / 11.00244 = +4.5E-01 ug/min Carbon

SAMPLE RESULTS:
(20.7 - 4.949917)(1)/(1) = +1.58E+01 g/L Carbon
(20.7 - 4.949917)(1)/(1)(12) = +1.31E+00 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{15.8}{.100ml} = 158E2$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000838 Date: 04/25/96 Time: 13:54:03

Sample Size = 1 uL .100ml
Dil Factor = 1
Blank ID # =
Blank Value = 2.13 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.00	0.00
2	1.01	2.30	56.52
3	1.51	7.00	67.14
4	2.01	13.60	48.53
5	2.51	17.60	22.73
6	3.01	19.70	10.66
7	3.51	21.10	6.64
8	4.01	22.10	4.52
9	4.51	23.00	3.91
10	5.00	24.10	4.56
11	5.50	25.10	3.98
12	6.00	26.00	3.46
13	6.50	26.80	2.99
14	7.00	27.60	2.90
15	7.50	28.40	2.82
16	8.00	29.20	2.74
17	8.50	29.80	2.01
18	9.00	30.50	2.30
19	9.50	31.20	2.24
20	10.00	31.90	2.19
21	10.50	32.50	1.85
22	11.00	33.20	2.11

USER INPUT BLANK VALUE
BLANK VALUE = 23.4352 micrograms carbon
BLANK FACTOR = 23.4352 / 11.00244 = +2.1E+00 ug/min Carbon

SAMPLE RESULTS:
(33.2 - 23.43533)(1)/(1) = +9.76E+00 g/L Carbon
(33.2 - 23.43533)(1)/(1)(12) = +8.14E-01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jaenie Steele
JL STEELE 00000

9.76 / .100ml = 9.76E1

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 838 DUP Date: 04/25/96 Time: 14:07:01

Sample Size = 1 uL .100ml
Dil Factor = 1
Blank ID # =
Blank Value = .45 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.80	0.00
2	1.01	2.40	66.67
3	1.51	4.00	40.00
4	2.01	5.00	20.00
5	2.51	5.80	13.79
6	3.01	6.50	10.77
7	3.51	7.00	7.14
8	4.01	7.60	7.89
9	4.50	8.10	6.17
10	5.00	8.60	5.81
11	5.50	9.20	6.52
12	6.00	9.70	5.15
13	6.50	10.30	5.83
14	7.00	10.80	4.63
15	7.50	11.40	5.26
16	8.00	12.00	5.00
17	8.50	12.40	3.23
18	9.00	13.00	4.62
19	9.50	13.60	4.41
20	10.00	14.10	3.55
21	10.50	14.70	4.08
22	11.00	15.20	3.29

USER INPUT BLANK VALUE
BLANK VALUE = 4.951098 micrograms carbon
BLANK FACTOR = 4.951098 / 11.00244 = +4.5E-01 ug/min Carbon

SAMPLE RESULTS:
(15.2 - 4.950659)(1)/(1) = +1.02E+01 g/L Carbon
(15.2 - 4.950659)(1)/(1)(12) = +8.54E-01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{10.2}{.100ml} = 1.02E2$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 838 DUP Date: 04/25/96 Time: 14:30:42

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.13 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.70	0.00
2	1.01	1.70	58.82
3	1.51	5.50	69.09
4	2.00	11.80	53.39
5	2.50	16.70	29.34
6	3.00	19.10	12.57
7	3.51	20.80	8.17
8	4.01	22.40	7.14
9	4.50	23.50	4.68
10	5.00	24.50	4.08
11	5.50	25.60	4.30
12	6.00	26.90	4.83
13	6.50	27.70	2.89
14	7.00	28.40	2.46
15	7.50	29.20	2.74
16	8.00	29.90	2.34
17	8.50	30.60	2.29
18	9.00	31.10	1.61
19	9.50	31.70	1.89
20	10.00	32.20	1.55
21	10.50	32.70	1.53
22	11.00	33.20	1.51

USER INPUT BLANK VALUE
BLANK VALUE = 23.4352 micrograms carbon
BLANK FACTOR = 23.4352 / 11.00244 = +2.1E+00 ug/min Carbon

SAMPLE RESULTS:
(33.2 - 23.43325)(1)/(1) = +9.77E+00 g/L Carbon
(33.2 - 23.43325)(1)/(1)(12) = +8.14E-01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{9.77}{.100ml} = 9.77E1$

worklistrpt Version 2.1 05/15/95
04/16/96 05:34

LABCORE Data Entry Template for Worklist# 6112

Analyst: KRM **Instrument:** CARB2 **Book #** 22N12A 16N12E

Method: LA-342-100 Rev/Mod 0-0

Worklist Comment: S102 @TICTOC1

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				@TICTOC1 TIC-02	SOLID	1	3.1	N/A	ug/g
		1	BLNK				@TICTOC1 TOC-02	SOLID	1	5.0	N/A	ug/g
		2	STD				@TICTOC1 TIC-02	SOLID	$6.00E^{2}$	$5.91E^{2}$	N/A	ug/g
		2	STD				@TICTOC1 TOC-02	SOLID	$3.00E^{3}$ ~~$2.83E^{3}$~~ 4-16-96	$2.83E^{3}$	N/A	ug/g
96000030	S102	3	SAMPLE	S96T000755	0		@TICTOC1 TIC-02	SOLID	N/A	$4.31E^{3}$	5.00	ug/g
96000030	S102	3	SAMPLE	S96T000755	0		@TICTOC1 TOC-02	SOLID	N/A	$1.28E^{3}$	40.0	ug/g
96000030	S102	4	DUP	S96T000755	0		@TICTOC1 TIC-02	SOLID	$4.31E^{3}$	$4.36E^{3}$	N/A	ug/g
96000030	S102	4	DUP	S96T000755	0		@TICTOC1 TOC-02	SOLID	$1.28E^{3}$	$1.29E^{3}$	N/A	ug/g
96000030	S102	5	SPK	S96T000755	0		@TICTOC1 TIC-02	SOLID	100	98.1	N/A	ug/g
96000030	S102	5	SPK	S96T000755	0		@TICTOC1 TOC-02	SOLID	100	96.3	N/A	ug/g
96000030	S102	6	SAMPLE	S96T000756	0		@TICTOC1 TIC-02	SOLID	N/A	$2.50E^{3}$	5.00	ug/g
96000030	S102	6	SAMPLE	S96T000756	0		@TICTOC1 TOC-02	SOLID	N/A	$9.68E^{2}$	40.0	ug/g
96000030	S102	7	DUP	S96T000756	0		@TICTOC1 TIC-02	SOLID	$2.50E^{3}$	$2.08E^{3}$	N/A	ug/g
96000030	S102	7	DUP	S96T000756	0		@TICTOC1 TOC-02	SOLID	$9.68E^{2}$	$1.11E^{3}$	N/A	ug/g
96000030	S102	8	SAMPLE	S96T000759	0		@TICTOC1 TIC-02	SOLID	N/A	$4.47E^{3}$	5.00	ug/g
96000030	S102	8	SAMPLE	S96T000759	0		@TICTOC1 TOC-02	SOLID	N/A	$1.49E^{3}$	40.0	ug/g
96000030	S102	9	DUP	S96T000759	0		@TICTOC1 TIC-02	SOLID	$4.47E^{3}$	$4.34E^{3}$	N/A	ug/g
96000030	S102	9	DUP	S96T000759	0		@TICTOC1 TOC-02	SOLID	$1.49E^{3}$	$1.61E^{3}$	N/A	ug/g

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 6112

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
96000030	S102	10	SAMPLE	S96T000772	0		@TICTOC1 TIC-02	SOLID	N/A	7.91E2	5.00	ug/g
96000030	S102	10	SAMPLE	S96T000772	0		@TICTOC1 TOC-02	SOLID	N/A	2.07E3	40.0	ug/g
96000030	S102	11	DUP	S96T000772	0		@TICTOC1 TIC-02	SOLID	7.91E2	8.48E2	N/A	ug/g
96000030	S102	11	DUP	S96T000772	0		@TICTOC1 TOC-02	SOLID	2.07E3	2.17E3	N/A	ug/g
96000030	S102	12	SAMPLE	S96T000760	0		@TICTOC1 TIC-02	SOLID	N/A	3.80E3	5.00	ug/g
96000030	S102	12	SAMPLE	S96T000760	0		@TICTOC1 TOC-02	SOLID	N/A	2.13E3	40.0	ug/g
96000030	S102	13	DUP	S96T000760	0		@TICTOC1 TIC-02	SOLID	3.80E3	4.05E3	N/A	ug/g
96000030	S102	13	DUP	S96T000760	0		@TICTOC1 TOC-02	SOLID	2.13E3	2.07E3	N/A	ug/g
96000030	S102	14	SAMPLE	S96T000770	0		@TICTOC1 TIC-02	SOLID	N/A	4.51E3	5.00	ug/g
96000030	S102	14	SAMPLE	S96T000770	0		@TICTOC1 TOC-02	SOLID	N/A	4.92E3	40.0	ug/g
96000030	S102	15	DUP	S96T000770	0		@TICTOC1 TIC-02	SOLID	4.51E3	4.61E3	N/A	ug/g
96000030	S102	15	DUP	S96T000770	0		@TICTOC1 TOC-02	SOLID	4.92E3	4.89E3	N/A	ug/g

Final page for worklist # 6112

4-16-96
Analyst Signature Date

4-17-96
Analyst Signature Date

Reviewed RW Schwerdt 4/17/96

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
<<< BLANK ANALYSIS >>>

Sample: BLK Date: 04/06/96 Time: 06:44:47

Sample Size = 1 uL
Dil Factor = 1
Blank ID # = BLK
Blank Value = N/A

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	0.40	50.00
3	1.50	0.80	50.00
4	2.00	1.20	33.33
5	2.50	1.40	14.29
6	3.00	1.60	12.50
7	3.50	1.80	11.11
8	4.00	2.00	10.00
9	4.50	2.10	4.76
10	5.00	2.40	12.50
11	5.50	2.50	4.00
12	6.00	2.70	7.41
13	6.50	2.90	6.90
14	7.00	3.10	6.45
15	7.50	3.20	3.13
16	8.00	3.40	5.88
17	8.50	3.60	5.56
18	9.00	3.80	5.26
19	9.50	3.90	2.56
20	10.00	4.10	4.88
21	10.50	4.30	4.65
22	11.00	4.60	6.52

BLANK VALUE = 4.6 micrograms carbon
BLANK FACTOR = 4.6 / 10.99881 = +4.2E-01 ug/min Carbon

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 1385 TO 1416

Sample Run By: 4-6-97
KR MONTEITH 00000

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
<<< BLANK ANALYSIS >>>

Sample: BLK Date: 04/06/96 Time: 06:56:58

Sample Size = 1 uL
Dil Factor = 1
Blank ID # = BLK
Blank Value = N/A

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.00	0.00
2	1.01	1.00	100.00
3	1.51	6.10	83.61
4	2.00	10.60	42.45
5	2.50	11.90	10.92
6	3.00	12.50	4.80
7	3.50	14.00	10.71
8	4.00	16.80	16.67
9	4.50	18.40	8.70
10	5.00	19.90	7.54
11	5.50	20.30	1.97
12	6.00	21.60	6.02
13	6.50	22.80	5.26
14	7.00	24.50	6.94
15	7.50	25.50	3.92
16	8.00	26.70	4.49
17	8.50	27.40	2.55
18	9.00	28.10	2.49
19	9.50	28.80	2.43
20	10.00	29.50	2.37
21	10.50	30.00	1.67
22	11.00	30.50	1.64

BLANK VALUE = 30.5 micrograms carbon
BLANK FACTOR = 30.5 / 11.00067 = +2.77E+00 ug/min Carbon

<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
KR MONTEITH 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD Date: 04/06/96 Time: 07:15:56

Sample Size = 1000 uL
Dil Factor = 1
Blank ID # =
Blank Value = .42 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	11.10	0.00
2	1.00	174.40	93.64
3	1.50	366.00	52.35
4	2.00	485.60	24.63
5	2.50	548.80	11.52
6	3.00	575.20	4.59
7	3.50	585.60	1.78
8	4.00	589.20	0.61
9	4.50	590.70	0.25
10	5.00	591.50	0.14
11	5.50	592.00	0.08
12	6.00	592.50	0.08
13	6.50	592.80	0.05
14	7.00	593.10	0.05
15	7.50	593.50	0.07
16	8.00	593.80	0.05
17	8.50	594.10	0.05
18	9.00	594.40	0.05
19	9.50	594.70	0.05
20	10.00	595.00	0.05
21	10.50	595.30	0.05
22	11.00	595.50	0.03

USER INPUT BLANK VALUE
BLANK VALUE = 4.620282 micrograms carbon
BLANK FACTOR = 4.620282 / 11.00067 = +4.2E-01 ug/min Carbon

SAMPLE RESULTS:
(595.5 - 4.6195)(1)/(1000) = +5.909E-01 g/L Carbon
(595.5 - 4.6195)(1)/(1000)(12) = +4.924E-02 Molar Carbon

Sample Run By: _____
KR MONTEITH 00000

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD Date: 04/06/96 Time: 07:28:30

Sample Size = 200 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.77 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.40	0.00
2	1.01	33.40	98.80
3	1.51	259.30	87.12
4	2.01	473.20	45.20
5	2.51	547.40	13.55
6	3.01	571.10	4.15
7	3.51	578.20	1.23
8	4.00	581.60	0.58
9	4.50	583.80	0.38
10	5.00	585.70	0.32
11	5.50	587.20	0.26
12	6.00	588.70	0.25
13	6.50	589.80	0.19
14	7.00	591.00	0.20
15	7.50	592.00	0.17
16	8.00	592.90	0.15
17	8.50	593.70	0.13
18	9.00	594.30	0.10
19	9.50	595.00	0.12
20	10.00	595.60	0.10
21	10.50	596.20	0.10
22	11.00	596.70	0.08

USER INPUT BLANK VALUE
BLANK VALUE = 30.47186 micrograms carbon
BLANK FACTOR = 30.47186 / 11.00067 = +2.8E+00 ug/min Carbon

SAMPLE RESULTS:
(596.7 - 30.46949)(1)/(200) = +2.831E+00 g/L Carbon
(596.7 - 30.46949)(1)/(200)(12) = +2.359E-01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
KR MONTEITH 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: R BLK Date: 04/06/96 Time: 07:40:47

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .42 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.00	0.00
2	1.01	0.40	100.00
3	1.50	0.90	55.56
4	2.00	1.40	35.71
5	2.50	1.70	17.65
6	3.00	2.10	19.05
7	3.50	2.40	12.50
8	4.00	2.80	14.29
9	4.50	3.30	15.15
10	5.00	3.50	5.71
11	5.50	3.80	7.89
12	6.00	4.20	9.52
13	6.50	4.50	6.67
14	7.00	4.90	8.16
15	7.50	5.30	7.55
16	8.00	5.70	7.02
17	8.50	6.00	5.00
18	9.00	6.40	6.25
19	9.50	6.70	4.48
20	10.00	7.10	5.63
21	10.50	7.40	4.05
22	11.00	7.70	3.90

USER INPUT BLANK VALUE
BLANK VALUE = 4.620282 micrograms carbon
BLANK FACTOR = 4.620282 / 11.00067 = +4.2E-01 ug/min Carbon

SAMPLE RESULTS:
(7.7 - 4.619513)(1)/(1) = +3.1E+00 g/L Carbon
(7.7 - 4.619513)(1)/(1)(12) = +2.6E-01 Molar Carbon

Sample Run By: _____
KR MONTEITH 00000

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: R BLK Date: 04/06/96 Time: 07:53:13

Sample Size = 1 uL Analyst : KR MONTEITH
Dil Factor = 1 Min Readings = 22
Blank ID # = Max Readings = 22
Blank Value = 2.77 ug/minute C % Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.60	0.00
2	1.01	3.60	83.33
3	1.51	7.40	51.35
4	2.00	9.60	22.92
5	2.50	10.70	10.28
6	3.00	15.00	28.67
7	3.50	18.90	20.63
8	4.00	21.80	13.30
9	4.50	23.80	8.40
10	5.00	25.10	5.18
11	5.50	26.90	6.69
12	6.00	28.00	3.93
13	6.50	29.10	3.78
14	7.00	30.10	3.32
15	7.50	30.80	2.27
16	8.00	31.50	2.22
17	8.50	32.20	2.17
18	9.00	33.10	2.72
19	9.50	33.90	2.36
20	10.00	34.30	1.17
21	10.50	35.10	2.28
22	11.00	35.50	1.13

USER INPUT BLANK VALUE
BLANK VALUE = 30.47186 micrograms carbon
BLANK FACTOR = 30.47186 / 11.00067 = +2.8E+00 ug/min Carbon

SAMPLE RESULTS:
(35.5 - 30.46949)(1)/(1) = +5.03E+00 g/L Carbon
(35.5 - 30.46949)(1)/(1)(12) = +4.19E-01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
KR MONTEITH 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T755 Date: 04/06/96 Time: 09:27:23

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .42 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	4.10	0.00
2	1.01	179.50	97.72
3	1.51	362.90	50.54
4	2.00	469.70	22.74
5	2.50	517.20	9.18
6	3.00	534.90	3.31
7	3.50	540.30	1.00
8	4.00	542.20	0.35
9	4.50	543.20	0.18
10	5.00	543.90	0.13
11	5.50	544.60	0.13
12	6.00	545.10	0.09
13	6.50	545.60	0.09
14	7.00	546.10	0.09
15	7.50	546.60	0.09
16	8.00	546.90	0.05
17	8.50	547.30	0.07
18	9.00	547.80	0.09
19	9.50	548.10	0.05
20	10.00	548.40	0.05
21	10.50	548.80	0.07
22	11.00	549.00	0.04

USER INPUT BLANK VALUE
BLANK VALUE = 4.620282 micrograms carbon
BLANK FACTOR = 4.620282 / 11.00067 = +4.2E-01 ug/min Carbon

SAMPLE RESULTS:
(549 - 4.619513)(1)/(1) = +5.444E+02 g/L Carbon
(549 - 4.619513)(1)/(1)(12) = +4.537E+01 Molar Carbon

Sample Run By: _____
KR MONTEITH 00000

$\frac{544.4}{126.4} = 4.31E^{3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T755 Date: 04/06/96 Time: 09:39:13

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.77 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	8.30	0.00
2	1.01	75.30	88.98
3	1.50	130.30	42.21
4	2.00	156.60	16.79
5	2.50	168.00	6.79
6	3.00	173.60	3.23
7	3.50	177.20	2.03
8	4.00	179.50	1.28
9	4.50	181.80	1.27
10	5.00	183.30	0.82
11	5.50	184.50	0.65
12	6.00	185.70	0.65
13	6.50	186.80	0.59
14	7.00	187.90	0.59
15	7.50	188.80	0.48
16	8.00	189.40	0.32
17	8.50	190.00	0.32
18	9.00	190.70	0.37
19	9.50	191.30	0.31
20	10.00	191.80	0.26
21	10.50	192.40	0.31
22	11.00	192.70	0.16

USER INPUT BLANK VALUE
BLANK VALUE = 30.47186 micrograms carbon
BLANK FACTOR = 30.47186 / 11.00067 = +2.8E+00 ug/min Carbon

SAMPLE RESULTS:
(192.7 - 30.47186)(1)/(1) = +1.622E+02 g/L Carbon
(192.7 - 30.47186)(1)/(1)(12) = +1.352E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
KR MONTEITH 00000

162.2 / 1.28E3

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T755 Date: 04/06/96 Time: 09:52:16

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .42 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	4.20	0.00
2	1.01	185.20	97.73
3	1.50	426.20	56.55
4	2.00	569.00	25.10
5	2.50	637.30	10.72
6	3.00	666.10	4.32
7	3.50	677.00	1.61
8	4.00	680.30	0.49
9	4.50	682.10	0.26
10	5.00	683.30	0.18
11	5.50	684.20	0.13
12	6.00	685.20	0.15
13	6.50	686.00	0.12
14	7.00	686.90	0.13
15	7.50	687.50	0.09
16	8.00	688.30	0.12
17	8.50	688.80	0.07
18	9.00	689.50	0.10
19	9.50	690.00	0.07
20	10.00	690.70	0.10
21	10.50	691.00	0.04
22	11.00	691.50	0.07

USER INPUT BLANK VALUE
BLANK VALUE = 4.620282 micrograms carbon
BLANK FACTOR = 4.620282 / 11.00067 = +4.2E-01 ug/min Carbon

SAMPLE RESULTS:
(691.5 - 4.619872)(1)/(1) = +6.869E+02 g/L Carbon
(691.5 - 4.619872)(1)/(1)(12) = +5.724E+01 Molar Carbon

Sample Run By: _____
KR MONTEITH 00000

686.9 / [illegible] = 4.36 E 3

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T755 Date: 04/06/96 Time: 10:06:41

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.77 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	18.00	0.00
2	1.01	100.60	82.11
3	1.51	166.80	39.69
4	2.00	195.90	14.85
5	2.50	208.10	5.86
6	3.00	214.00	2.76
7	3.50	217.00	1.38
8	4.00	220.00	1.36
9	4.50	222.20	0.99
10	5.00	223.60	0.63
11	5.50	225.20	0.71
12	6.00	226.40	0.53
13	6.50	227.70	0.57
14	7.00	228.60	0.39
15	7.50	229.50	0.39
16	8.00	230.50	0.43
17	8.50	231.00	0.22
18	9.00	231.50	0.22
19	9.50	232.20	0.30
20	10.00	232.60	0.17
21	10.50	233.30	0.30
22	11.00	233.70	0.17

USER INPUT BLANK VALUE
BLANK VALUE = 30.47186 micrograms carbon
BLANK FACTOR = 30.47186 / 11.00067 = +2.8E+00 ug/min Carbon

SAMPLE RESULTS:
(233.7 - 30.46949)(1)/(1) = +2.032E+02 g/L Carbon
(233.7 - 30.46949)(1)/(1)(12) = +1.694E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
KR MONTEITH 00000

$\frac{203.2}{1577} = 1.29E^{3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T755 + SPK Date: 04/06/96 Time: 10:20:26

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .42 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	12.50	0.00
2	1.01	455.30	97.25
3	1.51	809.00	43.72
4	2.01	1016.90	20.44
5	2.51	1123.20	9.46
6	3.00	1172.40	4.20
7	3.50	1193.10	1.73
8	4.00	1200.10	0.58
9	4.50	1203.40	0.27
10	5.00	1205.60	0.18
11	5.50	1207.00	0.12
12	6.00	1208.50	0.12
13	6.50	1209.70	0.10
14	7.00	1211.00	0.11
15	7.50	1212.00	0.08
16	8.00	1213.00	0.08
17	8.50	1213.90	0.07
18	9.00	1214.80	0.07
19	9.50	1215.70	0.07
20	10.00	1216.50	0.07
21	10.50	1217.10	0.05
22	11.00	1217.90	0.07

USER INPUT BLANK VALUE
BLANK VALUE = 4.620282 micrograms carbon
BLANK FACTOR = 4.620282 / 11.00067 = +4.2E-01 ug/min Carbon

SAMPLE RESULTS:
(1217.9 - 4.620692)(1)/(1) = +1.2133E+03 g/L Carbon
(1217.9 - 4.620692)(1)/(1)(12) = +1.0111E+02 Molar Carbon

Sample Run By: KR MONTEITH 00000

$$\frac{1217.9}{\left[\left(\frac{549.0}{1264}\right)(.2167) + 300\right]} = 98.1\ \%\ Rec$$

1395

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T755 + SPK Date: 04/06/96 Time: 10:32:18

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.77 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	8.90	0.00
2	1.01	121.30	92.66
3	1.51	333.80	63.66
4	2.00	485.40	31.23
5	2.50	542.60	10.54
6	3.00	564.40	3.86
7	3.50	573.80	1.64
8	4.00	579.50	0.98
9	4.50	583.20	0.63
10	5.00	586.90	0.63
11	5.50	589.70	0.47
12	6.00	592.30	0.44
13	6.50	594.20	0.32
14	7.00	596.30	0.35
15	7.50	597.90	0.27
16	8.00	599.70	0.30
17	8.50	601.00	0.22
18	9.00	602.20	0.20
19	9.50	603.50	0.22
20	10.00	604.60	0.18
21	10.50	605.60	0.17
22	11.00	606.80	0.20

USER INPUT BLANK VALUE
BLANK VALUE = 30.47186 micrograms carbon
BLANK FACTOR = 30.47186 / 11.00067 = +2.8E+00 ug/min Carbon

SAMPLE RESULTS:
(606.8 - 30.47423)(1)/(1) = +5.763E+02 g/L Carbon
(606.8 - 30.47423)(1)/(1)(12) = +4.803E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: KR MONTEITH 00000

$$\frac{606.8}{\left[\left(\frac{192.7}{\ldots}\right)(.2167)+300\right]} = 96.3\ \%\ Rec$$

1396

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T756 Date: 04/06/96 Time: 11:32:54

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .42 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.50	0.00
2	1.00	7.10	92.96
3	1.50	100.30	92.92
4	2.00	247.40	59.46
5	2.50	363.70	31.98
6	3.00	435.50	16.49
7	3.50	476.70	8.64
8	4.00	498.80	4.43
9	4.50	508.50	1.91
10	5.00	513.00	0.88
11	5.50	515.50	0.48
12	6.00	517.40	0.37
13	6.50	518.80	0.27
14	7.00	520.10	0.25
15	7.50	521.10	0.19
16	8.00	522.10	0.19
17	8.50	523.10	0.19
18	9.00	524.40	0.25
19	9.50	526.00	0.30
20	10.00	527.60	0.30
21	10.50	529.00	0.26
22	11.00	530.50	0.28

USER INPUT BLANK VALUE
BLANK VALUE = 4.620282 micrograms carbon
BLANK FACTOR = 4.620282 / 11.00067 = +4.2E-01 ug/min Carbon

SAMPLE RESULTS:
(530.5 - 4.619513)(1)/(1) = +5.259E+02 g/L Carbon
(530.5 - 4.619513)(1)/(1)(12) = +4.382E+01 Molar Carbon

Sample Run By: _____
KR MONTEITH 00000

$\frac{525.9}{2102} = 2.50\ e^3$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T756 Date: 04/06/96 Time: 11:45:27

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.77 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.40	0.00
2	1.01	17.60	92.05
3	1.50	81.30	78.35
4	2.00	146.70	44.58
5	2.50	186.90	21.51
6	3.00	204.80	8.74
7	3.50	212.60	3.67
8	4.00	216.20	1.67
9	4.50	219.30	1.41
10	5.00	221.50	0.99
11	5.50	223.40	0.85
12	6.00	225.00	0.71
13	6.50	226.20	0.53
14	7.00	227.40	0.53
15	7.50	228.80	0.61
16	8.00	230.00	0.52
17	8.50	230.90	0.39
18	9.00	231.70	0.35
19	9.50	232.40	0.30
20	10.00	232.90	0.21
21	10.50	233.40	0.21
22	11.00	233.90	0.21

USER INPUT BLANK VALUE
BLANK VALUE = 30.47186 micrograms carbon
BLANK FACTOR = 30.47186 / 11.00067 = +2.8E+00 ug/min Carbon

SAMPLE RESULTS:
(233.9 - 30.46966)(1)/(1) = +2.034E+02 g/L Carbon
(233.9 - 30.46966)(1)/(1)(12) = +1.695E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
KR MONTEITH 00000

$\frac{203.4}{.7102} = 9.68E^{2}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T756 Date: 04/06/96 Time: 11:57:26

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .42 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.70	0.00
2	1.01	9.10	92.31
3	1.50	82.00	88.90
4	2.00	177.70	53.85
5	2.50	253.20	29.82
6	3.00	299.20	15.37
7	3.50	325.60	8.11
8	4.00	339.30	4.04
9	4.50	345.70	1.85
10	5.00	349.00	0.95
11	5.50	351.30	0.65
12	6.00	353.10	0.51
13	6.50	354.60	0.42
14	7.00	355.90	0.37
15	7.50	356.90	0.28
16	8.00	357.90	0.28
17	8.50	358.90	0.28
18	9.00	359.80	0.25
19	9.50	360.70	0.25
20	10.00	361.40	0.19
21	10.50	362.00	0.17
22	11.00	362.70	0.19

USER INPUT BLANK VALUE
BLANK VALUE = 4.620282 micrograms carbon
BLANK FACTOR = 4.620282 / 11.00067 = +4.2E-01 ug/min Carbon

SAMPLE RESULTS:
(362.7 - 4.620282)(1)/(1) = +3.581E+02 g/L Carbon
(362.7 - 4.620282)(1)/(1)(12) = +2.984E+01 Molar Carbon

Sample Run By: KR MONTEITH 00000

$\frac{358.1}{1719} = 2.08E^{3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T756 Date: 04/06/96 Time: 13:19:31

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.77 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	12.50	0.00
2	1.01	65.20	80.83
3	1.51	128.00	49.06
4	2.00	170.40	24.88
5	2.50	191.00	10.79
6	3.00	199.40	4.21
7	3.50	202.40	1.48
8	4.00	204.70	1.12
9	4.50	206.70	0.97
10	5.00	208.60	0.91
11	5.50	210.30	0.81
12	6.00	212.00	0.80
13	6.50	213.30	0.61
14	7.00	214.60	0.61
15	7.50	216.00	0.65
16	8.00	216.90	0.41
17	8.50	217.80	0.41
18	9.00	218.80	0.46
19	9.50	219.50	0.32
20	10.00	220.10	0.27
21	10.50	220.50	0.18
22	11.00	221.10	0.27

USER INPUT BLANK VALUE
BLANK VALUE = 30.47186 micrograms carbon
BLANK FACTOR = 30.47186 / 11.00067 = +2.8E+00 ug/min Carbon

SAMPLE RESULTS:
(221.1 - 30.46408)(1)/(1) = +1.906E+02 g/L Carbon
(221.1 - 30.46408)(1)/(1)(12) = +1.589E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
KR MONTEITH 00000

$\frac{190.6}{1719} = 1.116^3$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T759 Date: 04/06/96 Time: 14:22:07

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .42 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.30	0.00
2	1.01	29.30	95.56
3	1.51	218.80	86.61
4	2.00	437.20	49.95
5	2.50	580.30	24.66
6	3.00	661.30	12.25
7	3.50	705.00	6.20
8	4.00	726.50	2.96
9	4.50	736.50	1.36
10	5.00	740.70	0.57
11	5.50	743.80	0.42
12	6.00	746.20	0.32
13	6.50	748.10	0.25
14	7.00	749.80	0.23
15	7.50	751.50	0.23
16	8.00	752.70	0.16
17	8.50	754.10	0.19
18	9.00	755.30	0.16
19	9.50	756.50	0.16
20	10.00	757.50	0.13
21	10.50	758.40	0.12
22	11.00	759.40	0.13

USER INPUT BLANK VALUE
BLANK VALUE = 4.620282 micrograms carbon
BLANK FACTOR = 4.620282 / 11.00067 = +4.2E-01 ug/min Carbon

SAMPLE RESULTS:
(759.4 - 4.619872)(1)/(1) = +7.548E+02 g/L Carbon
(759.4 - 4.619872)(1)/(1)(12) = +6.290E+01 Molar Carbon

Sample Run By: _____
KR MONTEITH 00000

$\frac{754.8}{1690} = 4.47E^{3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T759 Date: 04/06/96 Time: 14:34:59

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.77 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	2.30	0.00
2	1.01	63.00	96.35
3	1.51	155.00	59.35
4	2.00	218.90	29.19
5	2.50	250.00	12.44
6	3.00	263.10	4.98
7	3.50	268.20	1.90
8	4.00	270.90	1.00
9	4.50	272.60	0.62
10	5.00	274.20	0.58
11	5.50	275.40	0.44
12	6.00	276.30	0.33
13	6.50	277.10	0.29
14	7.00	277.80	0.25
15	7.50	278.50	0.25
16	8.00	279.50	0.36
17	8.50	280.30	0.29
18	9.00	280.90	0.21
19	9.50	281.50	0.21
20	10.00	282.10	0.21
21	10.50	282.60	0.18
22	11.00	283.00	0.14

USER INPUT BLANK VALUE
BLANK VALUE = 30.47186 micrograms carbon
BLANK FACTOR = 30.47186 / 11.00067 = +2.8E+00 ug/min Carbon

SAMPLE RESULTS:
(283 - 30.47457)(1)/(1) = +2.525E+02 g/L Carbon
(283 - 30.47457)(1)/(1)(12) = +2.104E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
KR MONTEITH 00000

$\frac{252.5}{\ } = 1.496^3$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T759 Date: 04/06/96 Time: 14:46:54

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .42 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.40	0.00
2	1.01	38.50	98.96
3	1.51	292.20	86.82
4	2.00	540.10	45.90
5	2.50	688.70	21.58
6	3.00	771.00	10.67
7	3.50	818.10	5.76
8	4.00	843.20	2.98
9	4.50	854.50	1.32
10	5.00	859.90	0.63
11	5.50	863.40	0.41
12	6.00	866.10	0.31
13	6.50	868.40	0.26
14	7.00	870.20	0.21
15	7.50	871.90	0.19
16	8.00	873.60	0.19
17	8.50	875.10	0.17
18	9.00	876.40	0.15
19	9.50	877.50	0.13
20	10.00	878.70	0.14
21	10.50	879.80	0.13
22	11.00	881.10	0.15

USER INPUT BLANK VALUE
BLANK VALUE = 4.620282 micrograms carbon
BLANK FACTOR = 4.620282 / 11.00067 = +4.2E-01 ug/min Carbon

SAMPLE RESULTS:
(881.1 - 4.621025)(1)/(1) = +8.765E+02 g/L Carbon
(881.1 - 4.621025)(1)/(1)(12) = +7.304E+01 Molar Carbon

Sample Run By: KR MONTEITH 00000

$\frac{876.5}{.2021} = 4.34_{*}^{3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T759 Date: 04/06/96 Time: 15:00:36

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.77 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.30	0.00
2	1.01	38.90	96.66
3	1.51	150.70	74.19
4	2.00	245.70	38.67
5	2.50	295.60	16.88
6	3.00	320.90	7.88
7	3.50	332.40	3.46
8	4.00	337.30	1.45
9	4.50	340.50	0.94
10	5.00	343.00	0.73
11	5.50	344.80	0.52
12	6.00	346.50	0.49
13	6.50	348.20	0.49
14	7.00	349.50	0.37
15	7.50	350.70	0.34
16	8.00	351.70	0.28
17	8.50	352.60	0.26
18	9.00	353.60	0.28
19	9.50	354.50	0.25
20	10.00	355.20	0.20
21	10.50	355.90	0.20
22	11.00	356.70	0.22

USER INPUT BLANK VALUE
BLANK VALUE = 30.47186 micrograms carbon
BLANK FACTOR = 30.47186 / 11.00067 = +2.8E+00 ug/min Carbon

SAMPLE RESULTS:
(356.7 - 30.46679)(1)/(1) = +3.262E+02 g/L Carbon
(356.7 - 30.46679)(1)/(1)(12) = +2.719E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
KR MONTEITH 00000

$\frac{326.2}{2021} = 1.61E^{3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T772 Date: 04/06/96 Time: 16:26:37

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .42 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.60	0.00
2	1.01	3.50	82.86
3	1.51	7.90	55.70
4	2.01	14.30	44.76
5	2.51	23.30	38.63
6	3.01	43.50	46.44
7	3.51	75.90	42.69
8	4.00	107.50	29.40
9	4.50	131.00	17.94
10	5.00	146.30	10.46
11	5.50	157.30	6.99
12	6.00	164.10	4.14
13	6.50	169.20	3.01
14	7.00	173.50	2.48
15	7.50	176.90	1.92
16	8.00	179.80	1.61
17	8.50	182.60	1.53
18	9.00	184.90	1.24
19	9.50	187.00	1.12
20	10.00	188.80	0.95
21	10.50	190.70	1.00
22	11.00	192.30	0.83

USER INPUT BLANK VALUE
BLANK VALUE = 4.620282 micrograms carbon
BLANK FACTOR = 4.620282 / 11.00067 = +4.2E-01 ug/min Carbon

SAMPLE RESULTS:
(192.3 - 4.620256)(1)/(1) = +1.877E+02 g/L Carbon
(192.3 - 4.620256)(1)/(1)(12) = +1.564E+01 Molar Carbon

Sample Run By: KR MONTEITH 00000

$\frac{187.7}{23.72} = 7.91E^{2}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T772 Date: 04/06/96 Time: 16:38:36

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.77 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.90	0.00
2	1.01	81.00	97.65
3	1.50	244.00	66.80
4	2.00	378.20	35.48
5	2.50	447.10	15.41
6	3.00	478.30	6.52
7	3.50	492.00	2.78
8	4.00	497.50	1.11
9	4.50	501.00	0.70
10	5.00	503.90	0.58
11	5.50	506.50	0.51
12	6.00	508.50	0.39
13	6.50	510.30	0.35
14	7.00	512.10	0.35
15	7.50	514.10	0.39
16	8.00	515.70	0.31
17	8.50	517.00	0.25
18	9.00	518.30	0.25
19	9.50	519.40	0.21
20	10.00	520.30	0.17
21	10.50	521.30	0.19
22	11.00	522.30	0.19

USER INPUT BLANK VALUE
BLANK VALUE = 30.47186 micrograms carbon
BLANK FACTOR = 30.47186 / 11.00067 = +2.8E+00 ug/min Carbon

SAMPLE RESULTS:
(522.3 - 30.46915)(1)/(1) = +4.918E+02 g/L Carbon
(522.3 - 30.46915)(1)/(1)(12) = +4.099E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
KR MONTEITH 00000

$\frac{491.8}{1372} = 2.07\ E^{3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T772 Date: 04/06/96 Time: 16:50:27

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .42 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.10	0.00
2	1.01	3.90	71.79
3	1.51	8.90	56.18
4	2.00	17.30	48.55
5	2.50	28.20	38.65
6	3.00	45.80	38.43
7	3.50	76.80	40.36
8	4.00	113.60	32.39
9	4.50	140.80	19.32
10	5.00	157.80	10.77
11	5.50	168.70	6.46
12	6.00	176.30	4.31
13	6.50	182.00	3.13
14	7.00	186.90	2.62
15	7.50	190.90	2.10
16	8.00	194.30	1.75
17	8.50	197.40	1.57
18	9.00	200.20	1.40
19	9.50	202.60	1.18
20	10.00	205.10	1.22
21	10.50	207.10	0.97
22	11.00	209.00	0.91

USER INPUT BLANK VALUE
BLANK VALUE = 4.620282 micrograms carbon
BLANK FACTOR = 4.620282 / 11.00067 = +4.2E-01 ug/min Carbon

SAMPLE RESULTS:
(209 - 4.619923)(1)/(1) = +2.044E+02 g/L Carbon
(209 - 4.619923)(1)/(1)(12) = +1.703E+01 Molar Carbon

Sample Run By: _____
KR MONTEITH 00000

$\frac{204.4}{.2409} = 8.48E^{2}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T772 Date: 04/06/96 Time: 17:05:28

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.77 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	3.30	0.00
2	1.01	72.60	95.45
3	1.50	238.60	69.57
4	2.00	375.90	36.53
5	2.50	443.80	15.30
6	3.00	474.50	6.47
7	3.50	488.60	2.89
8	4.00	494.00	1.09
9	4.50	498.10	0.82
10	5.00	501.30	0.64
11	5.50	504.20	0.58
12	6.00	506.70	0.49
13	6.50	509.00	0.45
14	7.00	511.00	0.39
15	7.50	513.10	0.41
16	8.00	514.90	0.35
17	8.50	516.50	0.31
18	9.00	518.10	0.31
19	9.50	519.40	0.25
20	10.00	520.70	0.25
21	10.50	521.90	0.23
22	11.00	523.20	0.25

USER INPUT BLANK VALUE
BLANK VALUE = 30.47186 micrograms carbon
BLANK FACTOR = 30.47186 / 11.00067 = +2.8E+00 ug/min Carbon

SAMPLE RESULTS:
(523.2 - 30.46679)(1)/(1) = +4.927E+02 g/L Carbon
(523.2 - 30.46679)(1)/(1)(12) = +4.106E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
KR MONTEITH 00000

$\frac{523.2}{2409} = 2.17E^{3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T760 Date: 04/06/96 Time: 13:32:53

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .42 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	0.30	33.33
3	1.51	0.70	57.14
4	2.00	7.70	90.91
5	2.50	55.10	86.03
6	3.00	183.60	69.99
7	3.50	364.90	49.68
8	4.00	508.50	28.24
9	4.50	609.20	16.53
10	5.00	677.00	10.01
11	5.50	722.80	6.34
12	6.00	750.20	3.65
13	6.50	766.70	2.15
14	7.00	775.50	1.13
15	7.50	782.00	0.83
16	8.00	786.10	0.52
17	8.50	789.30	0.41
18	9.00	792.10	0.35
19	9.50	794.60	0.31
20	10.00	796.50	0.24
21	10.50	798.20	0.21
22	11.00	799.90	0.21

USER INPUT BLANK VALUE
BLANK VALUE = 4.620282 micrograms carbon
BLANK FACTOR = 4.620282 / 11.00067 = +4.2E-01 ug/min Carbon

SAMPLE RESULTS:
(799.9 - 4.619513)(1)/(1) = +7.953E+02 g/L Carbon
(799.9 - 4.619513)(1)/(1)(12) = +6.627E+01 Molar Carbon

Sample Run By: KR MONTEITH 00000

1409

$\frac{795.3}{2092} = 3.80e^{3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T760 Date: 04/06/96 Time: 13:45:33

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.77 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.90	0.00
2	1.01	3.10	38.71
3	1.51	12.40	75.00
4	2.01	78.60	84.22
5	2.51	210.00	62.57
6	3.01	330.50	36.46
7	3.51	396.70	16.69
8	4.01	430.20	7.79
9	4.50	447.30	3.82
10	5.00	455.10	1.71
11	5.50	459.70	1.00
12	6.00	463.10	0.73
13	6.50	465.40	0.49
14	7.00	467.60	0.47
15	7.50	469.20	0.34
16	8.00	470.90	0.36
17	8.50	472.30	0.30
18	9.00	473.50	0.25
19	9.50	474.60	0.23
20	10.00	475.50	0.19
21	10.50	476.30	0.17
22	11.00	477.10	0.17

USER INPUT BLANK VALUE
BLANK VALUE = 30.47186 micrograms carbon
BLANK FACTOR = 30.47186 / 11.00067 = +2.8E+00 ug/min Carbon

SAMPLE RESULTS:
(477.1 - 30.47186)(1)/(1) = +4.466E+02 g/L Carbon
(477.1 - 30.47186)(1)/(1)(12) = +3.722E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
KR MONTEITH 00000

$\frac{446.6}{209.7} = 2.13E^{3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T~~770~~ 760 RCM 4-6-96 Date: 04/06/96 Time: 13:57:21

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .42 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.80	0.00
2	1.01	1.40	42.86
3	1.50	2.00	30.00
4	2.00	9.80	79.59
5	2.50	51.90	81.12
6	3.00	161.50	67.86
7	3.50	295.40	45.33
8	4.00	408.90	27.76
9	4.50	489.20	16.41
10	5.00	544.20	10.11
11	5.50	581.20	6.37
12	6.00	604.50	3.85
13	6.50	618.20	2.22
14	7.00	626.50	1.32
15	7.50	631.70	0.82
16	8.00	635.70	0.63
17	8.50	638.50	0.44
18	9.00	641.00	0.39
19	9.50	643.60	0.40
20	10.00	645.50	0.29
21	10.50	647.30	0.28
22	11.00	648.70	0.22

USER INPUT BLANK VALUE
BLANK VALUE = 4.620282 micrograms carbon
BLANK FACTOR = 4.620282 / 11.00067 = +4.2E-01 ug/min Carbon

SAMPLE RESULTS:
(648.7 - 4.619154)(1)/(1) = +6.441E+02 g/L Carbon
(648.7 - 4.619154)(1)/(1)(12) = +5.367E+01 Molar Carbon

Sample Run By: _____
KR MONTEITH 00000

$\frac{644.1}{.1591} = 4.05E^{3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T760 Date: 04/06/96 Time: 14:09:12

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.77 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	2.40	0.00
2	1.01	3.50	31.43
3	1.51	41.40	91.55
4	2.00	202.00	79.50
5	2.50	287.90	29.84
6	3.00	320.90	10.28
7	3.50	334.50	4.07
8	4.00	340.10	1.65
9	4.50	343.20	0.90
10	5.00	345.90	0.78
11	5.50	347.90	0.57
12	6.00	349.60	0.49
13	6.50	351.10	0.43
14	7.00	352.40	0.37
15	7.50	353.60	0.34
16	8.00	354.50	0.25
17	8.50	355.40	0.25
18	9.00	356.00	0.17
19	9.50	357.00	0.28
20	10.00	357.80	0.22
21	10.50	358.60	0.22
22	11.00	359.30	0.19

USER INPUT BLANK VALUE
BLANK VALUE = 30.47186 micrograms carbon
BLANK FACTOR = 30.47186 / 11.00067 = +2.8E+00 ug/min Carbon

SAMPLE RESULTS:
(359.3 - 30.47169)(1)/(1) = +3.288E+02 g/L Carbon
(359.3 - 30.47169)(1)/(1)(12) = +2.740E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
KR MONTEITH 00000

1412

$\frac{328.8}{1591} = 2.07E^{3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T770 Date: 04/06/96 Time: 10:45:36

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .42 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.00	0.00
2	1.01	3.30	69.70
3	1.51	32.10	89.72
4	2.00	120.00	73.25
5	2.50	240.20	50.04
6	3.00	340.60	29.48
7	3.50	396.50	14.10
8	4.00	427.40	7.23
9	4.50	440.90	3.06
10	5.00	446.40	1.23
11	5.50	449.30	0.65
12	6.00	451.10	0.40
13	6.50	452.50	0.31
14	7.00	453.70	0.26
15	7.50	454.80	0.24
16	8.00	455.90	0.24
17	8.50	456.80	0.20
18	9.00	458.00	0.26
19	9.50	458.90	0.20
20	10.00	459.90	0.22
21	10.50	460.80	0.20
22	11.00	461.50	0.15

USER INPUT BLANK VALUE
BLANK VALUE = 4.620282 micrograms carbon
BLANK FACTOR = 4.620282 / 11.00067 = +4.2E-01 ug/min Carbon

SAMPLE RESULTS:
(461.5 - 4.619538)(1)/(1) = +4.569E+02 g/L Carbon
(461.5 - 4.619538)(1)/(1)(12) = +3.807E+01 Molar Carbon

Sample Run By: KR MONTEITH 00000

$\frac{456.9}{.1014} = 4.51E^{3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T770 Date: 04/06/96 Time: 10:57:21

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.77 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.00	0.00
2	1.01	75.30	98.67
3	1.51	269.70	72.08
4	2.00	408.40	33.96
5	2.50	471.30	13.35
6	3.00	496.10	5.00
7	3.50	507.60	2.27
8	4.00	513.70	1.19
9	4.50	517.50	0.73
10	5.00	520.00	0.48
11	5.50	521.70	0.33
12	6.00	523.10	0.27
13	6.50	524.20	0.21
14	7.00	525.00	0.15
15	7.50	525.90	0.17
16	8.00	526.40	0.09
17	8.50	527.10	0.13
18	9.00	527.60	0.09
19	9.50	528.20	0.11
20	10.00	528.70	0.09
21	10.50	529.20	0.09
22	11.00	529.60	0.08

USER INPUT BLANK VALUE
BLANK VALUE = 30.47186 micrograms carbon
BLANK FACTOR = 30.47186 / 11.00067 = +2.8E+00 ug/min Carbon

SAMPLE RESULTS:
(529.6 - 30.47186)(1)/(1) = +4.991E+02 g/L Carbon
(529.6 - 30.47186)(1)/(1)(12) = +4.159E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
KR MONTEITH 00000

1414

$\frac{499.1}{.1014} = 4.92E^{3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T770 Date: 04/06/96 Time: 11:09:16

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .42 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	2.90	93.10
3	1.51	28.80	89.93
4	2.01	106.40	72.93
5	2.51	217.10	50.99
6	3.01	332.40	34.69
7	3.51	409.90	18.91
8	4.01	452.00	9.31
9	4.50	472.60	4.36
10	5.00	481.10	1.77
11	5.50	485.10	0.82
12	6.00	487.50	0.49
13	6.50	489.10	0.33
14	7.00	490.50	0.29
15	7.50	492.10	0.33
16	8.00	493.10	0.20
17	8.50	494.30	0.24
18	9.00	495.40	0.22
19	9.50	496.40	0.20
20	10.00	497.30	0.18
21	10.50	498.30	0.20
22	11.00	499.00	0.14

USER INPUT BLANK VALUE
BLANK VALUE = 4.620282 micrograms carbon
BLANK FACTOR = 4.620282 / 11.00067 = +4.2E-01 ug/min Carbon

SAMPLE RESULTS:
(499 - 4.620615)(1)/(1) = +4.944E+02 g/L Carbon
(499 - 4.620615)(1)/(1)(12) = +4.120E+01 Molar Carbon

Sample Run By: KR MONTEITH 00000

$\frac{494.4}{.1073} = 4.61E^{3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T770 Date: 04/06/96 Time: 11:21:07

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.77 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.70	0.00
2	1.01	120.30	98.59
3	1.51	303.30	60.34
4	2.01	426.70	28.92
5	2.51	486.40	12.27
6	3.01	511.90	4.98
7	3.51	527.90	3.03
8	4.01	536.30	1.57
9	4.51	540.80	0.83
10	5.01	543.70	0.53
11	5.51	545.80	0.38
12	6.01	547.50	0.31
13	6.51	548.90	0.26
14	7.01	550.20	0.24
15	7.51	551.10	0.16
16	8.01	552.00	0.16
17	8.51	552.80	0.14
18	9.01	553.50	0.13
19	9.50	554.10	0.11
20	10.00	554.70	0.11
21	10.50	555.30	0.11
22	11.00	555.70	0.07

USER INPUT BLANK VALUE
BLANK VALUE = 30.47186 micrograms carbon
BLANK FACTOR = 30.47186 / 11.00067 = +2.8E+00 ug/min Carbon

SAMPLE RESULTS:
(555.7 - 30.47964)(1)/(1) = +5.252E+02 g/L Carbon
(555.7 - 30.47964)(1)/(1)(12) = +4.377E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
KR MONTEITH 00000

$\frac{525.2}{.1073} = 4.89E^{3}$

worklistrpt Version 2.1 05/15/95
04/18/96 14:01

LABCORE Data Entry Template for Worklist# 6116

Analyst: JLS2 **Instrument:** CARB2 **Book #** 22N12A TIC 16N12E TOC

Method: LA-342-100 Rev/Mod D-0

Worklist Comment: S102 @TICTOC1 RTS!

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				@TICTOC1 TIC-02	SOLID	1	.9	N/A	ug/g
		1	BLNK				@TICTOC1 TOC-02	SOLID	1	5	N/A	ug/g
		2	STD				@TICTOC1 TIC-02	SOLID	6.02E2	6.06E2	N/A	ug/g
		2	STD				@TICTOC1 TOC-02	SOLID	3.00E3	2.80E3	N/A	ug/g
96000030	S102	3	SAMPLE	S96T000771	0		@TICTOC1 TIC-02	SOLID	N/A	1.17E3	5.00	ug/g
96000030	S102	3	SAMPLE	S96T000771	0		@TICTOC1 TOC-02	SOLID	N/A	7.42E3	40.0	ug/g
96000030	S102	4	DUP	S96T000771	0		@TICTOC1 TIC-02	SOLID	1.17E3	1.13E3	N/A	ug/g
96000030	S102	4	DUP	S96T000771	0		@TICTOC1 TOC-02	SOLID	7.42E3	6.31E3	N/A	ug/g
96000030	S102	5	SPK	S96T000771	0		@TICTOC1 TIC-02	SOLID	100	105	N/A	ug/g
96000030	S102	5	SPK	S96T000771	0		@TICTOC1 TOC-02	SOLID	100	93	N/A	ug/g
96000030	S102	6	SAMPLE	S96T000758	0		@TICTOC1 TIC-02	SOLID	N/A	5.89E3	5.00	ug/g
96000030	S102	6	SAMPLE	S96T000758	0		@TICTOC1 TOC-02	SOLID	N/A	2.36E3	40.0	ug/g
96000030	S102	7	DUP	S96T000758	0		@TICTOC1 TIC-02	SOLID	5.89E3	5.98E3	N/A	ug/g
96000030	S102	7	DUP	S96T000758	0		@TICTOC1 TOC-02	SOLID	2.36E3	2.31E3	N/A	ug/g
96000094	S102	8	SAMPLE	S96T001442	0		@TICTOC1 TIC-02	SOLID	N/A	5.63E3	5.00	ug/g
96000094	S102	8	SAMPLE	S96T001442	0		@TICTOC1 TOC-02	SOLID	N/A	4.46E3	40.00	ug/g
96000094	S102	9	DUP	S96T001442	0		@TICTOC1 TIC-02	SOLID	5.63E3	5.58E3	N/A	ug/g
96000094	S102	9	DUP	S96T001442	0		@TICTOC1 TOC-02	SOLID	4.46E3	4.30E3	N/A	ug/g

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 6116

GROUP	PROJECT	S TYPE	SAMPLE#	R A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT

Final page for worklist # 6116

Jackie Steele 4/18/96
Analyst Signature Date

Analyst Signature Date 4-21-96

Reviewed By Robert W Schroeder 4/22/96

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
<<< BLANK ANALYSIS >>>

Sample: BASELINE Date: 04/18/96 Time: 10:12:59

Sample Size = 1 uL
Dil Factor = 1
Blank ID # = BASELINE
Blank Value = N/A

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.20	0.00
2	1.01	2.30	47.83
3	1.51	3.10	25.81
4	2.00	3.60	13.89
5	2.50	4.00	10.00
6	3.00	4.30	6.98
7	3.50	4.70	8.51
8	4.00	4.90	4.08
9	4.50	5.20	5.77
10	5.00	5.50	5.45
11	5.50	5.80	5.17
12	6.00	6.00	3.33
13	6.50	6.40	6.25
14	7.00	6.60	3.03
15	7.50	6.80	2.94
16	8.00	7.10	4.23
17	8.50	7.50	5.33
18	9.00	7.80	3.85
19	9.50	7.90	1.27
20	10.00	8.30	4.82
21	10.50	8.50	2.35
22	11.00	8.70	2.30

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 1419 TO 1438

BLANK VALUE = 8.7 micrograms carbon
BLANK FACTOR = 8.7 / 10.99988 = +7.9E-01 ug/min Carbon

Sample Run By: Jackie Steele 4/18/96
JL STEELE 00000

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
<<< BLANK ANALYSIS >>>

Sample: BASELINE Date: 04/18/96 Time: 10:25:06

Sample Size = 1 uL
Dil Factor = 1
Blank ID # = BASELINE
Blank Value = N/A

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	1.40	85.71
3	1.51	7.00	80.00
4	2.00	12.20	42.62
5	2.50	15.00	18.67
6	3.00	16.00	6.25
7	3.50	16.60	3.61
8	4.00	17.30	4.05
9	4.50	18.20	4.95
10	5.00	18.90	3.70
11	5.50	19.70	4.06
12	6.00	20.30	2.96
13	6.50	20.90	2.87
14	7.00	21.60	3.24
15	7.50	22.20	2.70
16	8.00	22.80	2.63
17	8.50	23.50	2.98
18	9.00	24.00	2.08
19	9.50	24.40	1.64
20	10.00	24.90	2.01
21	10.50	25.30	1.58
22	11.00	25.70	1.56

BLANK VALUE = 25.7 micrograms carbon
BLANK FACTOR = 25.7 / 11.00165 = +2.34E+00 ug/min Carbon

<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 22N12A Date: 04/18/96 Time: 10:38:26

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .79 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.00	20.00	99.00
3	1.50	178.30	88.78
4	2.00	365.40	51.20
5	2.50	494.90	26.17
6	3.00	564.90	12.39
7	3.50	593.80	4.87
8	4.00	604.80	1.82
9	4.50	608.60	0.62
10	5.00	610.00	0.23
11	5.50	610.70	0.11
12	6.00	611.20	0.08
13	6.50	611.70	0.08
14	7.00	612.00	0.05
15	7.50	612.50	0.08
16	8.00	612.70	0.03
17	8.50	613.20	0.08
18	9.00	613.40	0.03
19	9.50	613.80	0.07
20	10.00	614.00	0.03
21	10.50	614.30	0.05
22	11.00	614.60	0.05

USER INPUT BLANK VALUE
BLANK VALUE = 8.691302 micrograms carbon
BLANK FACTOR = 8.691302 / 11.00165 = +7.9E-01 ug/min Carbon

SAMPLE RESULTS:
(614.6 - 8.689084)(1)/(1) = +6.059E+02 g/L Carbon
(614.6 - 8.689084)(1)/(1)(12) = +5.049E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{605.9}{602} = 100.65\%$

1421

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 16N12E Date: 04/18/96 Time: 10:50:40

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.34 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.30	0.00
2	1.01	7.30	95.89
3	1.50	87.40	91.65
4	2.00	326.70	73.25
5	2.50	492.60	33.68
6	3.00	544.50	9.53
7	3.50	559.60	2.70
8	4.00	563.00	0.60
9	4.50	564.70	0.30
10	5.00	565.80	0.19
11	5.50	566.50	0.12
12	6.00	567.40	0.16
13	6.50	568.00	0.11
14	7.00	571.30	0.58
15	7.50	576.30	0.87
16	8.00	579.90	0.62
17	8.50	582.10	0.38
18	9.00	583.60	0.26
19	9.50	584.60	0.17
20	10.00	585.50	0.15
21	10.50	586.10	0.10
22	11.00	586.60	0.09

USER INPUT BLANK VALUE
BLANK VALUE = 25.74385 micrograms carbon
BLANK FACTOR = 25.74385 / 11.00165 = +2.3E+00 ug/min Carbon

SAMPLE RESULTS:
(586.6 - 25.739)(1)/(1) = +5.609E+02 g/L Carbon
(586.6 - 25.739)(1)/(1)(12) = +4.674E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{560.9}{.200ml} = \frac{2804.5}{3000} = 93.48\%$

1422

WHC-CP-WM-DP-173, REV. 1

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 04/18/96 Time: 11:02:52

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .79 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.70	0.00
2	1.01	2.40	70.83
3	1.51	3.50	31.43
4	2.00	4.00	12.50
5	2.50	4.40	9.09
6	3.00	4.80	8.33
7	3.50	5.10	5.88
8	4.00	5.40	5.56
9	4.50	5.70	5.26
10	5.00	6.00	5.00
11	5.50	6.30	4.76
12	6.00	6.70	5.97
13	6.50	7.00	4.29
14	7.00	7.30	4.11
15	7.50	7.50	2.67
16	8.00	7.90	5.06
17	8.50	8.20	3.66
18	9.00	8.50	3.53
19	9.50	8.70	2.30
20	10.00	9.00	3.33
21	10.50	9.30	3.23
22	11.00	9.60	3.13

USER INPUT BLANK VALUE
BLANK VALUE = 8.691302 micrograms carbon
BLANK FACTOR = 8.691302 / 11.00165 = +7.9E-01 ug/min Carbon

SAMPLE RESULTS:
(9.6 - 8.689084)(1)/(1) = +9.1E-01 g/L Carbon
(9.6 - 8.689084)(1)/(1)(12) = +7.6E-02 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

|9.60 - 8.70| = .9

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 04/18/96 Time: 11:15:26

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.34 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.10	0.00
2	1.01	1.40	92.86
3	1.51	5.20	73.08
4	2.01	9.00	42.22
5	2.51	11.80	23.73
6	3.01	13.00	9.23
7	3.51	13.70	5.11
8	4.01	14.20	3.52
9	4.50	14.70	3.40
10	5.00	15.30	3.92
11	5.50	16.00	4.37
12	6.00	16.30	1.84
13	6.50	16.90	3.55
14	7.00	17.30	2.31
15	7.50	17.80	2.81
16	8.00	18.20	2.20
17	8.50	18.60	2.15
18	9.00	19.10	2.62
19	9.50	19.50	2.05
20	10.00	19.90	2.01
21	10.50	20.30	1.97
22	11.00	20.70	1.93

USER INPUT BLANK VALUE
BLANK VALUE = 25.74385 micrograms carbon
BLANK FACTOR = 25.74385 / 11.00165 = +2.3E+00 ug/min Carbon

SAMPLE RESULTS:
(20.7 - 25.74171)(1)/(1) = < 5.00 E-3 g/L Carbon
(20.7 - 25.74171)(1)/(1)(12) = < 4.17 E-4 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

|20.70 - 25.70| = 5

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000771 Date: 04/18/96 Time: 11:48:03

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .79 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.00	0.00
2	1.01	4.90	79.59
3	1.50	14.70	66.67
4	2.00	32.70	55.05
5	2.50	56.50	42.12
6	3.00	76.70	26.34
7	3.50	89.10	13.92
8	4.00	96.30	7.48
9	4.50	100.20	3.89
10	5.00	102.80	2.53
11	5.50	104.40	1.53
12	6.00	105.80	1.32
13	6.50	107.20	1.31
14	7.00	108.10	0.83
15	7.50	108.90	0.73
16	8.00	109.70	0.73
17	8.50	110.40	0.63
18	9.00	111.20	0.72
19	9.50	111.70	0.45
20	10.00	112.30	0.53
21	10.50	112.90	0.53
22	11.00	113.40	0.44

USER INPUT BLANK VALUE
BLANK VALUE = 8.691302 micrograms carbon
BLANK FACTOR = 8.691302 / 11.00165 = +7.9E-01 ug/min Carbon

SAMPLE RESULTS:
(113.4 - 8.689084)(1)/(1) = +1.047E+02 g/L Carbon
(113.4 - 8.689084)(1)/(1)(12) = +8.726E+00 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{104.7}{.0896g} = 1.169E3$

WHO-GD-WM-DP-179, REV. 1

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000771 Date: 04/18/96 Time: 12:00:05

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.34 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.50	0.00
2	1.01	59.50	99.16
3	1.51	300.40	80.19
4	2.00	466.20	35.56
5	2.50	564.20	17.37
6	3.00	608.90	7.34
7	3.50	628.60	3.13
8	4.00	639.00	1.63
9	4.50	647.30	1.28
10	5.00	654.30	1.07
11	5.50	659.50	0.79
12	6.00	664.30	0.72
13	6.50	668.60	0.64
14	7.00	672.20	0.54
15	7.50	675.40	0.47
16	8.00	678.20	0.41
17	8.50	680.80	0.38
18	9.00	683.20	0.35
19	9.50	685.10	0.28
20	10.00	686.90	0.26
21	10.50	688.70	0.26
22	11.00	690.10	0.20

USER INPUT BLANK VALUE
BLANK VALUE = 25.74385 micrograms carbon
BLANK FACTOR = 25.74385 / 11.00165 = +2.3E+00 ug/min Carbon

SAMPLE RESULTS:
(690.1 - 25.73714)(1)/(1) = +6.644E+02 g/L Carbon
(690.1 - 25.73714)(1)/(1)(12) = +5.536E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{664.4}{.08969} = 7.415^{E3}$

1426

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 771 DUP Date: 04/18/96 Time: 12:13:21

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .79 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.00	0.00
2	1.01	2.80	64.29
3	1.50	7.70	63.64
4	2.00	29.90	74.25
5	2.50	72.00	58.47
6	3.00	113.20	36.40
7	3.50	137.30	17.55
8	4.00	150.50	8.77
9	4.50	158.70	5.17
10	5.00	163.80	3.11
11	5.50	168.30	2.67
12	6.00	172.00	2.15
13	6.50	175.00	1.71
14	7.00	177.50	1.41
15	7.50	179.60	1.17
16	8.00	181.50	1.05
17	8.50	183.00	0.82
18	9.00	184.60	0.87
19	9.50	185.70	0.59
20	10.00	186.90	0.64
21	10.50	188.00	0.59
22	11.00	189.00	0.53

USER INPUT BLANK VALUE
BLANK VALUE = 8.691302 micrograms carbon
BLANK FACTOR = 8.691302 / 11.00165 = +7.9E-01 ug/min Carbon

SAMPLE RESULTS:
(189 - 8.691206)(1)/(1) = +1.803E+02 g/L Carbon
(189 - 8.691206)(1)/(1)(12) = +1.503E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

1427

$\frac{180.3}{.1599g} = 1.128^{E3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 771 DUP Date: 04/18/96 Time: 12:25:22

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.34 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.20	0.00
2	1.01	192.50	99.38
3	1.50	594.60	67.63
4	2.00	809.50	26.55
5	2.50	921.90	12.19
6	3.00	967.30	4.69
7	3.50	986.70	1.97
8	4.00	996.80	1.01
9	4.50	1003.20	0.64
10	5.00	1008.50	0.53
11	5.50	1013.00	0.44
12	6.00	1016.30	0.32
13	6.50	1019.30	0.29
14	7.00	1021.90	0.25
15	7.50	1024.10	0.21
16	8.00	1026.10	0.19
17	8.50	1027.70	0.16
18	9.00	1029.40	0.17
19	9.50	1030.80	0.14
20	10.00	1032.20	0.14
21	10.50	1033.50	0.13
22	11.00	1034.50	0.10

USER INPUT BLANK VALUE
BLANK VALUE = 25.74385 micrograms carbon
BLANK FACTOR = 25.74385 / 11.00165 = +2.3E+00 ug/min Carbon

SAMPLE RESULTS:
(1034.5 - 25.73729)(1)/(1) = +1.0088E+03 g/L Carbon
(1034.5 - 25.73729)(1)/(1)(12) = +8.4064E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{1008.8}{.1599g} = 6.309^{E3}$

1428

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 771 SPIKE Date: 04/18/96 Time: 12:39:58

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .79 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.70	0.00
2	1.01	11.30	93.81
3	1.51	95.90	88.22
4	2.00	211.30	54.61
5	2.50	302.30	30.10
6	3.00	359.90	16.00
7	3.50	389.50	7.60
8	4.00	403.60	3.49
9	4.50	410.60	1.70
10	5.00	415.20	1.11
11	5.50	418.30	0.74
12	6.00	421.10	0.66
13	6.50	423.40	0.54
14	7.00	425.30	0.45
15	7.50	427.10	0.42
16	8.00	428.50	0.33
17	8.50	429.80	0.30
18	9.00	431.00	0.28
19	9.50	432.00	0.23
20	10.00	433.00	0.23
21	10.50	434.00	0.23
22	11.00	434.80	0.18

USER INPUT BLANK VALUE
BLANK VALUE = 8.691302 micrograms carbon
BLANK FACTOR = 8.691302 / 11.00165 = +7.9E-01 ug/min Carbon

SAMPLE RESULTS:
(434.8 - 8.688457)(1)/(1) = +4.261E+02 g/L Carbon
(434.8 - 8.688457)(1)/(1)(12) = +3.551E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$$\frac{434.80}{\frac{113.40}{.0896} \times .0902 + 300} = \frac{434.80}{414.16} = 104.98$$

1429

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 771 SPIKE Date: 04/18/96 Time: 12:52:13

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.34 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.10	0.00
2	1.01	98.00	98.88
3	1.51	383.00	74.41
4	2.00	645.80	40.69
5	2.50	816.00	20.86
6	3.00	877.80	7.04
7	3.50	897.90	2.24
8	4.00	906.10	0.90
9	4.50	910.20	0.45
10	5.00	913.00	0.31
11	5.50	915.00	0.22
12	6.00	916.80	0.20
13	6.50	918.70	0.21
14	7.00	920.00	0.14
15	7.50	921.20	0.13
16	8.00	922.30	0.12
17	8.50	923.40	0.12
18	9.00	924.30	0.10
19	9.50	925.20	0.10
20	10.00	926.00	0.09
21	10.50	926.80	0.09
22	11.00	927.80	0.11

USER INPUT BLANK VALUE
BLANK VALUE = 25.74385 micrograms carbon
BLANK FACTOR = 25.74385 / 11.00165 = +2.3E+00 ug/min Carbon

SAMPLE RESULTS:
(927.8 - 25.74171)(1)/(1) = +9.021E+02 g/L Carbon
(927.8 - 25.74171)(1)/(1)(12) = +7.517E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$$\frac{927.80}{\frac{690.10}{.8496} \times .8902g + 300} = \frac{927.80}{994.72} = 93.27\%$$

1430

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000758 Date: 04/18/96 Time: 13:06:36

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .79 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.60	0.00
2	1.01	12.50	95.20
3	1.51	147.30	91.51
4	2.00	340.10	56.69
5	2.50	472.90	28.08
6	3.00	553.80	14.61
7	3.50	599.90	7.68
8	4.00	629.10	4.64
9	4.50	654.00	3.81
10	5.00	671.30	2.58
11	5.50	679.50	1.21
12	6.00	686.50	1.02
13	6.50	690.90	0.64
14	7.00	693.60	0.39
15	7.50	695.90	0.33
16	8.00	697.70	0.26
17	8.50	699.30	0.23
18	9.00	700.70	0.20
19	9.50	702.10	0.20
20	10.00	703.10	0.14
21	10.50	704.20	0.16
22	11.00	704.90	0.10

USER INPUT BLANK VALUE
BLANK VALUE = 8.691302 micrograms carbon
BLANK FACTOR = 8.691302 / 11.00165 = +7.9E-01 ug/min Carbon

SAMPLE RESULTS:
(704.9 - 8.689856)(1)/(1) = +6.962E+02 g/L Carbon
(704.9 - 8.689856)(1)/(1)(12) = +5.802E+01 Molar Carbon

Sample Run By: Jerrie Steele
JL STEELE 00000

$\frac{696.2}{.1182g} = 5.890E3$

1431

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000758 Date: 04/18/96 Time: 13:19:03

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.34 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.20	0.00
2	1.01	23.70	94.94
3	1.51	108.50	78.16
4	2.00	196.50	44.78
5	2.50	249.00	21.08
6	3.00	269.30	7.54
7	3.50	277.80	3.06
8	4.00	281.80	1.42
9	4.50	284.90	1.09
10	5.00	287.70	0.97
11	5.50	289.80	0.72
12	6.00	291.80	0.69
13	6.50	293.70	0.65
14	7.00	295.50	0.61
15	7.50	296.90	0.47
16	8.00	298.10	0.40
17	8.50	299.50	0.47
18	9.00	300.50	0.33
19	9.50	301.70	0.40
20	10.00	302.80	0.36
21	10.50	303.50	0.23
22	11.00	304.40	0.30

USER INPUT BLANK VALUE
BLANK VALUE = 25.74385 micrograms carbon
BLANK FACTOR = 25.74385 / 11.00165 = +2.3E+00 ug/min Carbon

SAMPLE RESULTS:
(304.4 - 25.73743)(1)/(1) = +2.787E+02 g/L Carbon
(304.4 - 25.73743)(1)/(1)(12) = +2.322E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{278.7}{.1182g} = 2.358^{E3}$

1432

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 758 DUP Date: 04/18/96 Time: 13:32:10

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .79 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.70	0.00
2	1.01	7.60	90.79
3	1.50	67.10	88.67
4	2.00	186.70	64.06
5	2.50	311.80	40.12
6	3.00	402.30	22.50
7	3.50	452.90	11.17
8	4.00	477.10	5.07
9	4.50	505.00	5.52
10	5.00	555.70	9.12
11	5.50	583.30	4.73
12	6.00	594.80	1.93
13	6.50	600.70	0.98
14	7.00	604.50	0.63
15	7.50	609.50	0.82
16	8.00	612.50	0.49
17	8.50	614.50	0.33
18	9.00	616.40	0.31
19	9.50	617.80	0.23
20	10.00	619.00	0.19
21	10.50	620.20	0.19
22	11.00	621.20	0.16

USER INPUT BLANK VALUE
BLANK VALUE = 8.691302 micrograms carbon
BLANK FACTOR = 8.691302 / 11.00165 = +7.9E-01 ug/min Carbon

SAMPLE RESULTS:
(621.2 - 8.688313)(1)/(1) = +6.125E+02 g/L Carbon
(621.2 - 8.688313)(1)/(1)(12) = +5.104E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{612.5}{.1024g} = 5.981^{E3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 758 DUP Date: 04/18/96 Time: 13:44:18

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.34 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.50	0.00
2	1.01	37.80	96.03
3	1.50	113.50	66.70
4	2.00	186.10	39.01
5	2.50	223.10	16.58
6	3.00	236.60	5.71
7	3.50	242.40	2.39
8	4.00	245.50	1.26
9	4.50	248.00	1.01
10	5.00	249.70	0.68
11	5.50	251.40	0.68
12	6.00	252.90	0.59
13	6.50	254.10	0.47
14	7.00	255.30	0.47
15	7.50	256.30	0.39
16	8.00	257.40	0.43
17	8.50	258.30	0.35
18	9.00	259.10	0.31
19	9.50	260.00	0.35
20	10.00	260.80	0.31
21	10.50	261.50	0.27
22	11.00	262.00	0.19

USER INPUT BLANK VALUE
BLANK VALUE = 25.74385 micrograms carbon
BLANK FACTOR = 25.74385 / 11.00165 = +2.3E+00 ug/min Carbon

SAMPLE RESULTS:
(262 - 25.74143)(1)/(1) = +2.363E+02 g/L Carbon
(262 - 25.74143)(1)/(1)(12) = +1.969E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

1434

$\frac{236.3}{.1024g} = 2.308^{E3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001442 Date: 04/18/96 Time: 13:58:06

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .79 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.40	0.00
2	1.01	5.50	92.73
3	1.51	74.20	92.59
4	2.00	178.80	58.50
5	2.50	258.00	30.70
6	3.00	313.50	17.70
7	3.50	360.30	12.99
8	4.00	401.40	10.24
9	4.50	434.20	7.55
10	5.00	460.80	5.77
11	5.50	479.20	3.84
12	6.00	488.70	1.94
13	6.50	493.30	0.93
14	7.00	496.20	0.58
15	7.50	498.50	0.46
16	8.00	500.10	0.32
17	8.50	501.80	0.34
18	9.00	503.20	0.28
19	9.50	504.40	0.24
20	10.00	505.30	0.18
21	10.50	506.30	0.20
22	11.00	507.30	0.20

USER INPUT BLANK VALUE
BLANK VALUE = 8.691302 micrograms carbon
BLANK FACTOR = 8.691302 / 11.00165 = +7.9E-01 ug/min Carbon

SAMPLE RESULTS:
(507.3 - 8.689759)(1)/(1) = +4.986E+02 g/L Carbon
(507.3 - 8.689759)(1)/(1)(12) = +4.155E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{498.6}{.088 kg} = 5.628^{E3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001442 Date: 04/18/96 Time: 14:11:10

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.34 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.40	0.00
2	1.01	51.60	97.29
3	1.51	198.60	74.02
4	2.00	309.20	35.77
5	2.50	369.90	16.41
6	3.00	392.30	5.71
7	3.50	399.70	1.85
8	4.00	403.40	0.92
9	4.50	405.80	0.59
10	5.00	407.60	0.44
11	5.50	409.10	0.37
12	6.00	410.90	0.44
13	6.50	412.40	0.36
14	7.00	413.60	0.29
15	7.50	414.70	0.27
16	8.00	415.80	0.26
17	8.50	416.70	0.22
18	9.00	417.60	0.22
19	9.50	418.40	0.19
20	10.00	419.30	0.21
21	10.50	420.00	0.17
22	11.00	420.90	0.21

USER INPUT BLANK VALUE
BLANK VALUE = 25.74385 micrograms carbon
BLANK FACTOR = 25.74385 / 11.00165 = +2.3E+00 ug/min Carbon

SAMPLE RESULTS:
(420.9 - 25.73928)(1)/(1) = +3.952E+02 g/L Carbon
(420.9 - 25.73928)(1)/(1)(12) = +3.293E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{395.2}{.088g} = 4.460^{E3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1442 DUP Date: 04/18/96 Time: 14:23:05

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .79 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.60	0.00
2	1.01	3.20	81.25
3	1.50	10.20	68.63
4	2.00	31.80	67.92
5	2.50	62.60	49.20
6	3.00	93.00	32.69
7	3.50	126.60	26.54
8	4.00	187.20	32.37
9	4.50	270.00	30.67
10	5.00	335.10	19.43
11	5.50	378.30	11.42
12	6.00	399.10	5.21
13	6.50	406.40	1.80
14	7.00	410.20	0.93
15	7.50	412.40	0.53
16	8.00	413.90	0.36
17	8.50	415.40	0.36
18	9.00	416.60	0.29
19	9.50	417.80	0.29
20	10.00	418.90	0.26
21	10.50	419.90	0.24
22	11.00	420.80	0.21

USER INPUT BLANK VALUE
BLANK VALUE = 8.691302 micrograms carbon
BLANK FACTOR = 8.691302 / 11.00165 = +7.9E-01 ug/min Carbon

SAMPLE RESULTS:
(420.8 - 8.689711)(1)/(1) = +4.121E+02 g/L Carbon
(420.8 - 8.689711)(1)/(1)(12) = +3.434E+01 Molar Carbon

Sample Run By: Jackie Steele
JLOSTEELE 00000

$\frac{412.1}{.0738g} = 5.584^{E3}$

1437

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1442 DUP Date: 04/18/96 Time: 14:38:12

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.34 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.30	0.00
2	1.01	63.90	97.97
3	1.51	187.00	65.83
4	2.00	269.20	30.53
5	2.50	307.60	12.48
6	3.00	320.40	4.00
7	3.50	324.90	1.39
8	4.00	327.50	0.79
9	4.50	329.20	0.52
10	5.00	330.70	0.45
11	5.50	332.40	0.51
12	6.00	333.60	0.36
13	6.50	334.70	0.33
14	7.00	335.90	0.36
15	7.50	337.00	0.33
16	8.00	338.00	0.30
17	8.50	338.80	0.24
18	9.00	339.70	0.26
19	9.50	340.70	0.29
20	10.00	341.40	0.21
21	10.50	342.00	0.18
22	11.00	342.70	0.20

USER INPUT BLANK VALUE
BLANK VALUE = 25.74385 micrograms carbon
BLANK FACTOR = 25.74385 / 11.00165 = +2.3E+00 ug/min Carbon

SAMPLE RESULTS:
(342.7 - 25.73971)(1)/(1) = +3.170E+02 g/L Carbon
(342.7 - 25.73971)(1)/(1)(12) = +2.641E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{317.0}{.0738g} = 4.295^{E3}$

1438

worklistrpt Version 2.1 05/15/95
05/09/96 10:33

LABCORE Data Entry Template for Worklist# 6120

Analyst: Sih **Instrument:** CARB2 **Book #** TIC 22N12A
TOC 16N12E

Method: LA-342-100 Rev/Mod D-0

Worklist Comment: S102 @TICTOC1

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				@TICTOC1 TIC-02	SOLID	1	2.1	N/A	ug/g
		1	BLNK				@TICTOC1 TOC-02	SOLID	1	3.3	N/A	ug/g
		2	STD				@TICTOC1 TIC-02	SOLID	6.02e2	5.95e2	N/A	ug/g
		2	STD				@TICTOC1 TOC-02	SOLID	3.00e3	2.75e3	N/A	ug/g
96000030	S102	3	SAMPLE	S96T000757	0		@TICTOC1 TIC-02	SOLID	N/A	1.86e2	5.00	ug/g
96000030	S102	3	SAMPLE	S96T000757	0		@TICTOC1 TOC-02	SOLID	N/A	1.24e3	40.0	ug/g
96000030	S102	4	DUP	S96T000757	0		@TICTOC1 TIC-02	SOLID	1.86e2	1.79e2	N/A	ug/g
96000030	S102	4	DUP	S96T000757	0		@TICTOC1 TOC-02	SOLID	1.24e3	1.30e3	N/A	ug/g
96000030	S102	5	SPK	S96T000757	0		@TICTOC1 TIC-02	SOLID	100	104	N/A	ug/g
96000030	S102	5	SPK	S96T000757	0		@TICTOC1 TOC-02	SOLID	100	92.0	N/A	ug/g
96000030	S102	6	SAMPLE	S96T000780	0		@TICTOC1 TIC-02	SOLID	N/A	5.36e3	5.00	ug/g
96000030	S102	6	SAMPLE	S96T000780	0		@TICTOC1 TOC-02	SOLID	N/A	5.95e3	40.0	ug/g
96000030	S102	7	DUP	S96T000780	0		@TICTOC1 TIC-02	SOLID	5.36e3	5.09e3	N/A	ug/g
96000030	S102	7	DUP	S96T000780	0		@TICTOC1 TOC-02	SOLID	5.95e3	5.57e3	N/A	ug/g

Final page for worklist # 6120

Analyst Signature Date

Analyst Signature Date 5-9-96

Approved RWSchroeder 5/9/96

Data Entry Comments: Triplicate analysis for S96T000780 TIC & TOC included in raw data but not reported - Not necessary. RWS 5/9/96

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

worklistrpt Version 2.1 05/15/95
03/04/96 15:04

LABCORE Data Entry Template for Worklist# 6120

Analyst: SLH **Instrument:** CARB2 **Book #** TIC 22N12-A
TOC 16N12-E

Method: LA-342-100 Rev/Mod D-0

Worklist Comment: S102 @TICTOC1 RTS!

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 BLNK				@TICTOC1 TIC-02	SOLID	1	2.1	N/A	ug/g
		1 BLNK				@TICTOC1 TOC-02	SOLID	1		N/A	ug/g
		2 STD				@TICTOC1 TIC-02	SOLID	6.02e2	5.95e2	N/A	ug/g
		2 STD				@TICTOC1 TOC-02	SOLID			N/A	ug/g
96000030	S102	3 SAMPLE	S96T000780	0		@TICTOC1 TIC-02	SOLID	N/A			ug/g
96000030	S102	3 SAMPLE	S96T000780	0		@TICTOC1 TOC-02	SOLID	N/A			ug/g
96000030	S102	4 DUP	S96T000780	0		@TICTOC1 TIC-02	SOLID			N/A	ug/g
96000030	S102	4 DUP	S96T000780	0		@TICTOC1 TOC-02	SOLID			N/A	ug/g
96000030	S102	5 SPK	S96T000780	0		@TICTOC1 TIC-02	SOLID			N/A	ug/g
96000030	S102	5 SPK	S96T000780	0		@TICTOC1 TOC-02	SOLID			N/A	ug/g
96000030	S102	6 SAMPLE	S96T000757	0		@TICTOC1 TIC-02	SOLID	N/A			ug/g
96000030	S102	6 SAMPLE	S96T000757	0		@TICTOC1 TOC-02	SOLID	N/A			ug/g
96000030	S102	7 DUP	S96T000757	0		@TICTOC1 TIC-02	SOLID			N/A	ug/g
96000030	S102	7 DUP	S96T000757	0		@TICTOC1 TOC-02	SOLID			N/A	ug/g

Final page for worklist # 6120

Sandra L Hood Bootright
Analyst Signature **Date**

Analyst Signature **Date**

Data Entry Comments: Did spike on S96T0757 due to small amt. of sample S96T0780 — note there is more there than I originally thought SLH

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
<<< BLANK ANALYSIS >>>

Sample: BLK Date: 05/05/96 Time: 22:20:09

Sample Size = 1 uL
Dil Factor = 1
Blank ID # = BLK
Blank Value = N/A

Analyst : SL HOOD
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading ====	Analysis Time ====	Coulometer ====	% Difference ==
1	0.51	0.30	0.00
2	1.01	0.50	40.00
3	1.50	0.80	37.50
4	2.00	1.20	33.33
5	2.50	1.80	33.33
6	3.00	2.70	33.33
7	3.50	3.10	12.90
8	4.00	3.60	13.89
9	4.50	4.00	10.00
10	5.00	4.40	9.09
11	5.50	4.70	6.38
12	6.00	5.10	7.84
13	6.50	5.30	3.77
14	7.00	5.50	3.64
15	7.50	5.80	5.17
16	8.00	6.00	3.33
17	8.50	6.30	4.76
18	9.00	6.40	1.56
19	9.50	6.60	3.03
20	10.00	6.80	2.94
21	10.50	7.00	2.86
22	11.00	7.30	4.11

BLANK VALUE = 7.3 micrograms carbon
BLANK FACTOR = 7.3 / 10.99963 = +6.6E-01 ug/min Carbon

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 1441 TO 1458

Sample Run By: RW Schroeder for SL Hood Boatright 6/18/96
SL HOOD 00000

WHC-SD-WM-DP-173, REV. 1

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD Date: 05/05/96 Time: 22:47:23

Sample Size = 1000 uL
Dil Factor = 1
Blank ID # =
Blank Value = .66 ug/minute C

Analyst : SL HOOD
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.00	0.00
2	1.01	0.20	100.00
3	1.51	0.70	71.43
4	2.01	7.80	91.03
5	2.51	48.00	83.75
6	3.01	121.10	60.36
7	3.51	205.20	40.98
8	4.01	287.10	28.53
9	4.51	361.40	20.56
10	5.01	424.60	14.88
11	5.51	476.40	10.87
12	6.01	515.50	7.58
13	6.51	543.80	5.20
14	7.00	563.30	3.46
15	7.51	576.60	2.31
16	8.01	585.50	1.52
17	8.51	591.40	1.00
18	9.01	595.20	0.64
19	9.50	598.00	0.47
20	10.00	599.70	0.28
21	10.50	601.20	0.25
22	11.00	602.10	0.15

USER INPUT BLANK VALUE
BLANK VALUE = 7.260967 micrograms carbon
BLANK FACTOR = 7.260967 / 11.00146 = +6.6E-01 ug/min Carbon

SAMPLE RESULTS:
(602.1 - 7.262337)(1)/(1000) = +5.948E-01 g/L Carbon
(602.1 - 7.262337)(1)/(1000)(12) = +4.957E-02 Molar Carbon

Sample Run By: _____
SL HOOD 00000

595/602 = 98.8

1442

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: B-2 Date: 05/05/96 Time: 23:16:11

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .66 ug/minute C

Analyst : SL HOOD
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	0.40	50.00
3	1.50	0.80	50.00
4	2.00	1.90	57.89
5	2.50	2.90	34.48
6	3.00	4.00	27.50
7	3.50	4.80	16.67
8	4.00	5.40	11.11
9	4.50	5.90	8.47
10	5.00	6.40	7.81
11	5.50	6.70	4.48
12	6.00	7.00	4.29
13	6.50	7.30	4.11
14	7.00	7.60	3.95
15	7.50	7.80	2.56
16	8.00	8.00	2.50
17	8.50	8.30	3.61
18	9.00	8.50	2.35
19	9.50	8.60	1.16
20	10.00	8.90	3.37
21	10.50	9.10	2.20
22	11.00	9.40	3.19

$|9.4 - 7.3| = 2.1$

USER INPUT BLANK VALUE
BLANK VALUE = 7.260967 micrograms carbon
BLANK FACTOR = 7.260967 / 11.00146 = +6.6E-01 ug/min Carbon

SAMPLE RESULTS:
(9.4 - 7.259195)(1)/(1) = +2.1E+00 g/L Carbon
(9.4 - 7.259195)(1)/(1)(12) = +1.8E-01 Molar Carbon

Sample Run By: _____
SL HOOD 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T00757 Date: 05/05/96 Time: 23:52:46

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .66 ug/minute C

Analyst : SL HOOD
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	0.30	33.33
3	1.50	0.50	40.00
4	2.00	1.40	64.29
5	2.50	8.10	82.72
6	3.00	27.00	70.00
7	3.50	54.10	50.09
8	4.00	84.50	35.98
9	4.50	114.20	26.01
10	5.00	140.40	18.66
11	5.50	162.40	13.55
12	6.00	179.30	9.43
13	6.50	192.10	6.66
14	7.00	201.00	4.43
15	7.50	207.40	3.09
16	8.00	211.90	2.12
17	8.50	214.90	1.40
18	9.00	217.20	1.06
19	9.50	219.10	0.87
20	10.00	220.40	0.59
21	10.50	221.70	0.59
22	11.00	222.60	0.40

USER INPUT BLANK VALUE
BLANK VALUE = 7.260967 micrograms carbon
BLANK FACTOR = 7.260967 / 11.00146 = +6.6E-01 ug/min Carbon

SAMPLE RESULTS:
(222.6 - 7.259678)(1)/(1) = +2.153E+02 g/L Carbon
(222.6 - 7.259678)(1)/(1)(12) = +1.795E+01 Molar Carbon

Sample Run By: _____
SL HOOD 00000

.1155g

215/.1155 = 1.86e2

1444

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T00757 DUP Date: 05/06/96 Time: 01:29:19

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .66 ug/minute C

Analyst : SL HOOD
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.00	0.00
2	1.01	0.00	0.00
3	1.51	0.30	100.00
4	2.00	0.70	57.14
5	2.50	4.80	85.42
6	3.00	23.70	79.75
7	3.50	57.20	58.57
8	4.00	94.10	39.21
9	4.50	128.80	26.94
10	5.00	158.80	18.89
11	5.50	182.60	13.03
12	6.00	200.60	8.97
13	6.50	213.90	6.22
14	7.00	223.00	4.08
15	7.50	229.20	2.71
16	8.00	233.60	1.88
17	8.50	236.90	1.39
18	9.00	239.20	0.96
19	9.50	241.00	0.75
20	10.00	242.40	0.58
21	10.50	243.70	0.53
22	11.00	244.60	0.37

USER INPUT BLANK VALUE
BLANK VALUE = 7.260967 micrograms carbon
BLANK FACTOR = 7.260967 / 11.00146 = +6.6E-01 ug/min Carbon

SAMPLE RESULTS:
(244.6 - 7.25857)(1)/(1) = +2.373E+02 g/L Carbon
(244.6 - 7.25857)(1)/(1)(12) = +1.978E+01 Molar Carbon

Sample Run By: _____
SL HOOD 00000

.1324g

237/.1324 = 1.79e2 1445

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T00757 SPK Date: 05/06/96 Time: 01:55:17

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .66 ug/minute C

Analyst : SL HOOD
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.40	0.00
2	1.01	0.90	55.56
3	1.51	1.40	35.71
4	2.00	10.60	86.79
5	2.50	62.40	83.01
6	3.00	147.40	57.67
7	3.50	240.20	38.63
8	4.00	331.00	27.43
9	4.50	411.30	19.52
10	5.00	480.90	14.47
11	5.50	536.80	10.41
12	6.00	579.10	7.30
13	6.50	610.70	5.17
14	7.00	633.10	3.54
15	7.50	648.90	2.43
16	8.00	659.70	1.64
17	8.50	667.30	1.14
18	9.00	672.60	0.79
19	9.50	676.60	0.59
20	10.00	679.60	0.44
21	10.50	682.00	0.35
22	11.00	684.00	0.29

USER INPUT BLANK VALUE
BLANK VALUE = 7.260967 micrograms carbon
BLANK FACTOR = 7.260967 / 11.00146 = +6.6E-01 ug/min Carbon

SAMPLE RESULTS:
(684 - 7.260443)(1)/(1) = +6.767E+02 g/L Carbon
(684 - 7.260443)(1)/(1)(12) = +5.639E+01 Molar Carbon

Sample Run By: SL HOOD 00000

SS .1856g

$$\frac{684}{\left(\frac{222.6}{\ }\right).1856 + 300} \times 100 = 104$$

1446

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T00780 Date: 05/06/96 Time: 02:22:38

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .66 ug/minute C

Analyst : SL HOOD
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.60	0.00
2	1.01	1.30	53.85
3	1.51	1.90	31.58
4	2.00	2.80	32.14
5	2.50	12.70	77.95
6	3.00	57.20	77.80
7	3.50	136.00	57.94
8	4.00	234.30	41.95
9	4.50	335.80	30.23
10	5.00	429.50	21.82
11	5.50	510.80	15.92
12	6.00	577.80	11.60
13	6.50	631.30	8.47
14	7.00	672.60	6.14
15	7.50	702.60	4.27
16	8.00	724.10	2.97
17	8.50	739.00	2.02
18	9.00	749.40	1.39
19	9.50	756.70	0.96
20	10.00	762.10	0.71
21	10.50	766.40	0.56
22	11.00	769.80	0.44

USER INPUT BLANK VALUE
BLANK VALUE = 7.260967 micrograms carbon
BLANK FACTOR = 7.260967 / 11.00146 = +6.6E-01 ug/min Carbon

SAMPLE RESULTS:
(769.8 - 7.258681)(1)/(1) = +7.625E+02 g/L Carbon
(769.8 - 7.258681)(1)/(1)(12) = +6.355E+01 Molar Carbon

Sample Run By: _____
SL HOOD 00000

SS .1421g

762/.1421 = 5.36e3

1447

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T00780 DUP Date: 05/06/96 Time: 02:53:25

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .66 ug/minute C

Analyst : SL HOOD
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.70	0.00
2	1.01	1.50	53.33
3	1.50	2.20	31.82
4	2.00	3.30	33.33
5	2.50	12.10	72.73
6	3.00	43.30	72.06
7	3.50	99.00	56.26
8	4.00	174.30	43.20
9	4.50	256.80	32.13
10	5.00	336.10	23.59
11	5.50	406.70	17.36
12	6.00	464.40	12.42
13	6.50	510.70	9.07
14	7.00	545.30	6.35
15	7.50	570.80	4.47
16	8.00	588.70	3.04
17	8.50	601.00	2.05
18	9.00	609.90	1.46
19	9.50	616.10	1.01
20	10.00	620.70	0.74
21	10.50	624.30	0.58
22	11.00	627.20	0.46

USER INPUT BLANK VALUE
BLANK VALUE = 7.260967 micrograms carbon
BLANK FACTOR = 7.260967 / 11.00146 = +6.6E-01 ug/min Carbon

SAMPLE RESULTS:
(627.2 - 7.260443)(1)/(1) = +6.199E+02 g/L Carbon
(627.2 - 7.260443)(1)/(1)(12) = +5.166E+01 Molar Carbon

SS .12/18g

Sample Run By: _____
SL HOOD 00000

620/.1218 = 5.09e3

1443

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T00780 TRP Date: 05/06/96 Time: 04:35:39

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .66 ug/minute C

Analyst : SL HOOD
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.00	0.00
2	1.01	0.30	100.00
3	1.51	0.50	40.00
4	2.00	1.10	54.55
5	2.50	10.10	89.11
6	3.00	46.60	78.33
7	3.50	111.80	58.32
8	4.00	194.30	42.46
9	4.50	279.60	30.51
10	5.00	356.00	21.46
11	5.50	422.20	15.68
12	6.00	476.50	11.40
13	6.50	519.80	8.33
14	7.00	553.60	6.11
15	7.50	579.10	4.40
16	8.00	597.00	3.00
17	8.50	610.20	2.16
18	9.00	619.30	1.47
19	9.50	625.90	1.05
20	10.00	630.90	0.79
21	10.50	634.60	0.58
22	11.00	637.50	0.45

USER INPUT BLANK VALUE
BLANK VALUE = 7.260967 micrograms carbon
BLANK FACTOR = 7.260967 / 11.00146 = +6.6E-01 ug/min Carbon

SAMPLE RESULTS:
(637.5 - 7.259255)(1)/(1) = +6.302E+02 g/L Carbon
(637.5 - 7.259255)(1)/(1)(12) = +5.252E+01 Molar Carbon

Sample Run By: SL HOOD 00000

SS .1260g

630/.1260 = 5.00e3

1449

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
<<< BLANK ANALYSIS >>>

Sample: BLK Date: 05/05/96 Time: 22:33:21

Sample Size = 1 uL
Dil Factor = 1
Blank ID # = BLK
Blank Value = N/A

Analyst : SL HOOD
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	0.40	50.00
3	1.50	0.80	50.00
4	2.00	2.00	60.00
5	2.50	5.60	64.29
6	3.00	11.30	50.44
7	3.50	17.00	33.53
8	4.00	20.90	18.66
9	4.50	23.50	11.06
10	5.00	25.00	6.00
11	5.50	26.00	3.85
12	6.00	26.70	2.62
13	6.50	27.10	1.48
14	7.00	27.60	1.81
15	7.50	28.00	1.43
16	8.00	28.40	1.41
17	8.50	28.70	1.05
18	9.00	28.90	0.69
19	9.50	29.20	1.03
20	10.00	29.50	1.02
21	10.50	29.70	0.67
22	11.00	30.00	1.00

BLANK VALUE = 30 micrograms carbon
BLANK FACTOR = 30 / 11.00146 = +2.73E+00 ug/min Carbon

<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
SL HOOD 00000

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD Date: 05/05/96 Time: 23:03:25

Sample Size = 200 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.73 ug/minute C

Analyst : SL HOOD
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.40	0.00
2	1.01	0.90	55.56
3	1.51	1.30	30.77
4	2.01	8.40	84.52
5	2.51	50.30	83.30
6	3.01	145.40	65.41
7	3.50	269.30	46.01
8	4.00	378.40	28.83
9	4.50	457.30	17.25
10	5.00	508.60	10.09
11	5.50	539.70	5.76
12	6.00	556.80	3.07
13	6.50	565.80	1.59
14	7.00	570.30	0.79
15	7.50	573.20	0.51
16	8.00	574.90	0.30
17	8.50	576.30	0.24
18	9.00	577.10	0.14
19	9.50	577.80	0.12
20	10.00	578.40	0.10
21	10.50	579.00	0.10
22	11.00	579.40	0.07

USER INPUT BLANK VALUE
BLANK VALUE = 30.034 micrograms carbon
BLANK FACTOR = 30.034 / 11.00146 = +2.7E+00 ug/min Carbon

SAMPLE RESULTS:
(579.4 - 30.03167)(1)/(200) = +2.747E+00 g/L Carbon
(579.4 - 30.03167)(1)/(200)(12) = +2.289E-01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
SL HOOD 00000

275e3/3.00e3 = 91.7%

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: B-2 Date: 05/05/96 Time: 23:37:04

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.73 ug/minute C

Analyst : SL HOOD
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.10	0.00
2	1.00	0.30	66.67
3	1.50	0.60	50.00
4	2.00	1.40	57.14
5	2.50	3.80	63.16
6	3.00	7.90	51.90
7	3.50	12.60	37.30
8	4.00	16.40	23.17
9	4.50	19.40	15.46
10	5.00	21.20	8.49
11	5.50	22.30	4.93
12	6.00	23.10	3.46
13	6.50	23.80	2.94
14	7.00	24.30	2.06
15	7.50	24.60	1.22
16	8.00	25.00	1.60
17	8.50	25.40	1.57
18	9.00	25.60	0.78
19	9.50	26.00	1.54
20	10.00	26.20	0.76
21	10.50	26.60	1.50
22	11.00	26.70	0.37

USER INPUT BLANK VALUE
BLANK VALUE = 30.034 micrograms carbon
BLANK FACTOR = 30.034 / 11.00146 = +2.7E+00 ug/min Carbon

SAMPLE RESULTS:
(26.7 - 30.02667)(1)/(1) = < 5.00 E-3 g/L Carbon
(26.7 - 30.02667)(1)/(1)(12) = < 4.17 E-4 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
SL HOOD 00000

1452 | 30.0 - 26.7 | = 3.3

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T00757 Date: 05/06/96 Time: 01:16:00

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.73 ug/minute C

Analyst : SL HOOD
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.60	0.00
2	1.01	1.30	53.85
3	1.51	2.10	38.10
4	2.00	4.90	57.14
5	2.51	18.30	73.22
6	3.01	44.40	58.78
7	3.51	77.30	42.56
8	4.00	107.80	28.29
9	4.50	130.60	17.46
10	5.00	145.40	10.18
11	5.50	154.70	6.01
12	6.00	160.00	3.31
13	%-1433.50	163.50	2.14
14	%-1433.00	165.90	1.45
15	%-1432.50	167.60	1.01
16	%-1432.00	168.80	0.71
17	%-1431.50	170.10	0.76
18	%-1431.00	170.80	0.41
19	%-1430.50	171.50	0.41
20	%-1430.00	172.20	0.41
21	%-1429.50	172.80	0.35
22	%-1429.00	173.50	0.40

USER INPUT BLANK VALUE
BLANK VALUE = 30.034 micrograms carbon
BLANK FACTOR = 30.034 / 11.00146 = +2.7E+00 ug/min Carbon

SAMPLE RESULTS:
(173.5 --3901.17)(1)/(1) = +4.075E+03 g/L Carbon
(173.5 --3901.17)(1)/(1)(12) = +3.396E+02 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
SL HOOD 00000

.1155g

Redo calculation 173.5-30 = 143.5 / .1155g = 1.24e3

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T00757 DUP Date: 05/06/96 Time: 01:42:30

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.73 ug/minute C

Analyst : SL HOOD
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.80	0.00
2	1.01	1.50	46.67
3	1.51	2.30	34.78
4	2.00	6.80	66.18
5	2.50	27.20	75.00
6	3.00	64.00	57.50
7	3.50	105.10	39.11
8	4.00	139.20	24.50
9	4.50	162.60	14.39
10	5.00	176.60	7.93
11	5.50	184.40	4.23
12	6.00	189.30	2.59
13	6.50	192.50	1.66
14	7.00	194.50	1.03
15	7.50	196.10	0.82
16	8.00	197.20	0.56
17	8.50	198.20	0.50
18	9.00	199.00	0.40
19	9.50	199.80	0.40
20	10.00	200.50	0.35
21	10.50	201.10	0.30
22	11.00	201.70	0.30

USER INPUT BLANK VALUE
BLANK VALUE = 30.034 micrograms carbon
BLANK FACTOR = 30.034 / 11.00146 = +2.7E+00 ug/min Carbon

SAMPLE RESULTS:
(201.7 - 30.02456)(1)/(1) = +1.717E+02 g/L Carbon
(201.7 - 30.02456)(1)/(1)(12) = +1.431E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
SL HOOD 00000

.1324g 172/.1324 = 1.30e3 **1454**

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T00757 SPK Date: 05/06/96 Time: 02:07:52

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.73 ug/minute C

Analyst : SL HOOD
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.60	0.00
2	1.01	2.70	40.74
3	1.51	3.80	28.95
4	2.00	12.00	68.33
5	2.50	50.60	76.28
6	3.00	135.10	62.55
7	3.51	246.90	45.28
8	4.01	347.90	29.03
9	4.50	419.30	17.03
10	5.00	464.50	9.73
11	5.50	491.80	5.55
12	6.00	507.20	3.04
13	6.50	515.30	1.57
14	7.00	520.20	0.94
15	7.50	523.40	0.61
16	8.00	525.90	0.48
17	8.50	527.50	0.30
18	9.00	528.80	0.25
19	9.50	530.00	0.23
20	10.00	531.00	0.19
21	10.50	532.00	0.19
22	11.00	532.70	0.13

USER INPUT BLANK VALUE
BLANK VALUE = 30.034 micrograms carbon
BLANK FACTOR = 30.034 / 11.00146 = +2.7E+00 ug/min Carbon

SAMPLE RESULTS:
(532.7 - 30.02956)(1)/(1) = +5.027E+02 g/L Carbon
(532.7 - 30.02956)(1)/(1)(12) = +4.189E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: SL HOOD 00000

SS .1856g

$$\frac{532.7}{\left(\frac{173.5}{1.55}\right).1856 + 300} \times 100 = 92.03\%$$

1455

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T00780 Date: 05/06/96 Time: 02:35:11

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.73 ug/minute C

Analyst : SL HOOD
Min Readings = 22
Max Readings = 22
% Difference = 10

Reading	Analysis Time	Coulometer	% Difference
1	0.51	1.90	0.00
2	1.01	3.50	45.71
3	1.51	5.00	30.00
4	2.00	26.40	81.06
5	2.50	125.70	79.00
6	3.00	284.20	55.77
7	3.50	462.80	38.59
8	4.00	608.00	23.88
9	4.50	709.50	14.31
10	5.00	774.00	8.33
11	5.50	813.60	4.87
12	6.00	836.50	2.74
13	6.50	849.10	1.48
14	7.00	856.50	0.86
15	7.50	861.20	0.55
16	8.00	864.80	0.42
17	8.50	867.40	0.30
18	9.00	869.50	0.24
19	9.50	871.30	0.21
20	10.00	872.60	0.15
21	10.50	874.00	0.16
22	11.00	875.00	0.11

USER INPUT BLANK VALUE
BLANK VALUE = 30.034 micrograms carbon
BLANK FACTOR = 30.034 / 11.00146 = +2.7E+00 ug/min Carbon

SAMPLE RESULTS:
(875 - 30.02679)(1)/(1) = +8.450E+02 g/L Carbon
(875 - 30.02679)(1)/(1)(12) = +7.041E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: SL HOOD 00000

SS .1421g

845/.1421 = 5.95e3

1456

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T00780 DUP Date: 05/06/96 Time: 04:15:39

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.73 ug/minute C

Analyst : SL HOOD
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.10	0.00
2	1.01	2.10	47.62
3	1.50	3.50	40.00
4	2.00	29.90	88.29
5	2.50	133.10	77.54
6	3.00	281.90	52.78
7	3.50	424.70	33.62
8	4.00	531.10	20.03
9	4.50	601.20	11.66
10	5.00	644.30	6.69
11	5.50	669.30	3.74
12	6.00	682.70	1.96
13	6.50	690.20	1.09
14	7.00	694.90	0.68
15	7.50	698.20	0.47
16	8.00	700.50	0.33
17	8.50	702.20	0.24
18	9.00	703.90	0.24
19	9.50	705.10	0.17
20	10.00	706.20	0.16
21	10.50	707.20	0.14
22	11.00	708.10	0.13

USER INPUT BLANK VALUE
BLANK VALUE = 30.034 micrograms carbon
BLANK FACTOR = 30.034 / 11.00146 = +2.7E+00 ug/min Carbon

SAMPLE RESULTS:
(708.1 - 30.02913)(1)/(1) = +6.781E+02 g/L Carbon
(708.1 - 30.02913)(1)/(1)(12) = +5.651E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: SL HOOD 00000

SS .1218g

678/.1218 = 5.57e3

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T00780 TRP Date: 05/06/96 Time: 04:51:53

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.73 ug/minute C

Analyst : SL HOOD
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	2.00	0.00
2	1.01	3.70	45.95
3	1.51	5.40	31.48
4	2.00	23.90	77.41
5	2.50	106.90	77.64
6	3.00	238.90	55.25
7	3.50	389.70	38.70
8	4.00	520.20	25.09
9	4.50	616.00	15.55
10	5.00	679.40	9.33
11	5.50	719.90	5.63
12	6.00	744.40	3.29
13	6.50	758.20	1.82
14	7.00	766.10	1.03
15	7.50	771.40	0.69
16	8.00	775.00	0.46
17	8.50	777.80	0.36
18	9.00	780.10	0.29
19	9.50	781.90	0.23
20	10.00	783.60	0.22
21	10.50	785.00	0.18
22	11.00	786.40	0.18

USER INPUT BLANK VALUE
BLANK VALUE = 30.034 micrograms carbon
BLANK FACTOR = 30.034 / 11.00146 = +2.7E+00 ug/min Carbon

SAMPLE RESULTS:
(786.4 - 30.0345)(1)/(1) = +7.564E+02 g/L Carbon
(786.4 - 30.0345)(1)/(1)(12) = +6.303E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
SL HOOD 00000

SS .1260g

756/.1260 = 6.00e3 **1458**

worklistrpt Version 2.1 05/15/95
05/03/96 13:29

LABCORE Data Entry Template for Worklist# 6490

Analyst: JLS2 **Instrument:** CARB2 _____ **Book #** 22N12A TIC 16N12E TOC

Method: LA-342-100 Rev/Mod D-0

Worklist Comment: S-102 @TICTOC1. RCJ

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				@TICTOC1 TIC-02	SOLID	1	.20	N/A	ug/g
		1	BLNK				@TICTOC1 TOC-02	SOLID	1	11.6	N/A	ug/g
		2	STD				@TICTOC1 TIC-02	SOLID	6.02E2	6.04E2	N/A	ug/g
		2	STD				@TICTOC1 TOC-02	SOLID	3.00E3	2.77E3	N/A	ug/g
96000094	S102	3	SAMPLE	S96T001145	0		@TICTOC1 TIC-02	SOLID	N/A	4.31E3		ug/g
96000094	S102	3	SAMPLE	S96T001145	0		@TICTOC1 TOC-02	SOLID	N/A	1.14E3		ug/g
96000094	S102	4	DUP	S96T001145	0		@TICTOC1 TIC-02	SOLID	4.31E3	4.35E3	N/A	ug/g
96000094	S102	4	DUP	S96T001145	0		@TICTOC1 TOC-02	SOLID	1.14E3	1.12E3	N/A	ug/g
96000094	S102	5	SAMPLE	S96T001141	0		@TICTOC1 TIC-02	SOLID	N/A	7.26E3		ug/g
96000094	S102	5	SAMPLE	S96T001141	0		@TICTOC1 TOC-02	SOLID	N/A	1.45E3		ug/g
96000094	S102	6	DUP	S96T001141	0		@TICTOC1 TIC-02	SOLID	7.26E3	7.73E3	N/A	ug/g
96000094	S102	6	DUP	S96T001141	0		@TICTOC1 TOC-02	SOLID	1.45E3	1.46E3	N/A	ug/g
96000094	S102	7	SPK	S96T001141	0		@TICTOC1 TIC-02	SOLID	100	102	N/A	ug/g
96000094	S102	7	SPK	S96T001141	0		@TICTOC1 TOC-02	SOLID	100	95	N/A	ug/g

Final page for worklist # 6490

Jackie Steele 5/3/96
Analyst Signature **Date**

[signature] 5-5-96
Analyst Signature **Date**

approved RWS 5/6/96

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
<<< BLANK ANALYSIS >>>

Sample: BASELINE Date: 05/03/96 Time: 10:19:39

Sample Size = 1 uL
Dil Factor = 1
Blank ID # = BASELINE
Blank Value = N/A

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.80	0.00
2	1.01	2.30	65.22
3	1.51	3.20	28.13
4	2.01	3.60	11.11
5	2.51	3.90	7.69
6	3.01	4.10	4.88
7	3.51	4.30	4.65
8	4.00	4.40	2.27
9	4.50	4.50	2.22
10	5.00	4.70	4.26
11	5.50	4.90	4.08
12	6.00	4.90	0.00
13	6.50	5.10	3.92
14	7.00	5.20	1.92
15	7.50	5.40	3.70
16	8.00	5.40	0.00
17	8.50	5.60	3.57
18	9.00	5.70	1.75
19	9.50	5.80	1.72
20	10.00	6.00	3.33
21	10.50	6.10	1.64
22	11.00	6.20	1.61

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 1460 TO 1475

BLANK VALUE = 6.2 micrograms carbon
BLANK FACTOR = 6.2 / 11.00067 = +5.6E-01 ug/min Carbon

Sample Run By: Jaenie Steele 5/03/96
JL STEELE 00000

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
<<< BLANK ANALYSIS >>>

Sample: BASELINE Date: 05/03/96 Time: 10:31:38

Sample Size = 1 uL
Dil Factor = 1
Blank ID # = BASELINE
Blank Value = N/A

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.00	0.00
2	1.01	1.50	100.00
3	1.51	6.10	75.41
4	2.00	12.90	52.71
5	2.50	18.80	31.38
6	3.00	22.70	17.18
7	3.50	25.70	11.67
8	4.00	27.80	7.55
9	4.50	29.20	4.79
10	5.00	30.40	3.95
11	5.50	31.30	2.88
12	6.00	32.20	2.80
13	6.50	33.20	3.01
14	7.00	33.90	2.06
15	7.50	34.60	2.02
16	8.00	35.00	1.14
17	8.50	35.60	1.69
18	9.00	36.00	1.11
19	9.50	36.40	1.10
20	10.00	36.60	0.55
21	10.50	36.90	0.81
22	11.00	37.20	0.81

BLANK VALUE = 37.2 micrograms carbon
BLANK FACTOR = 37.2 / 10.99969 = +3.38E+00 ug/min Carbon

<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jacque Steele
JL STEELE 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 22N12A Date: 05/03/96 Time: 10:44:21

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .56 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.00	0.00
2	1.01	32.70	100.00
3	1.51	169.40	80.70
4	2.00	331.40	48.88
5	2.50	456.50	27.40
6	3.00	534.90	14.66
7	3.50	577.10	7.31
8	4.00	596.10	3.19
9	4.50	603.30	1.19
10	5.00	606.30	0.49
11	5.50	607.50	0.20
12	6.00	608.20	0.12
13	6.50	608.60	0.07
14	7.00	608.90	0.05
15	7.50	609.20	0.05
16	8.00	609.40	0.03
17	8.50	609.70	0.05
18	9.00	609.90	0.03
19	9.50	610.10	0.03
20	10.00	610.20	0.02
21	10.50	610.40	0.03
22	11.00	610.50	0.02

USER INPUT BLANK VALUE
BLANK VALUE = 6.159829 micrograms carbon
BLANK FACTOR = 6.159829 / 10.99969 = +5.6E-01 ug/min Carbon

SAMPLE RESULTS:
(610.5 - 6.160342)(1)/(1) = +6.043E+02 g/L Carbon
(610.5 - 6.160342)(1)/(1)(12) = +5.036E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{604.3}{602} = 100.38\%$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 16N12E Date: 05/03/96 Time: 11:01:47

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 3.38 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	11.70	98.29
3	1.50	147.40	92.06
4	2.00	389.00	62.11
5	2.50	517.00	24.76
6	3.00	560.50	7.76
7	3.50	574.20	2.39
8	4.00	578.80	0.79
9	4.50	581.40	0.45
10	5.00	583.10	0.29
11	5.50	584.70	0.27
12	6.00	585.80	0.19
13	6.50	586.70	0.15
14	7.00	587.50	0.14
15	7.50	588.30	0.14
16	8.00	588.90	0.10
17	8.50	589.50	0.10
18	9.00	590.20	0.12
19	9.50	590.70	0.08
20	10.00	591.20	0.08
21	10.50	591.70	0.08
22	11.00	592.10	0.07

USER INPUT BLANK VALUE
BLANK VALUE = 37.17897 micrograms carbon
BLANK FACTOR = 37.17897 / 10.99969 = +3.4E+00 ug/min Carbon

SAMPLE RESULTS:
(592.1 - 37.17876)(1)/(1) = +5.549E+02 g/L Carbon
(592.1 - 37.17876)(1)/(1)(12) = +4.624E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{554.9}{.200ml} = 2774.5 / 3000 = 92.482$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 05/03/96 Time: 11:13:47

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .56 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.10	0.00
2	1.01	1.30	92.31
3	1.50	2.80	53.57
4	2.00	3.40	17.65
5	2.51	3.80	10.53
6	3.01	4.10	7.32
7	3.51	4.30	4.65
8	4.00	4.30	0.00
9	4.50	4.50	4.44
10	5.00	4.60	2.17
11	5.50	4.70	2.13
12	6.00	4.80	2.08
13	6.50	5.00	4.00
14	7.00	5.20	3.85
15	7.50	5.20	0.00
16	8.00	5.40	3.70
17	8.50	5.40	0.00
18	9.00	5.60	3.57
19	9.50	5.70	1.75
20	10.00	5.80	1.72
21	10.50	5.90	1.69
22	11.00	6.00	1.67

USER INPUT BLANK VALUE
BLANK VALUE = 6.159829 micrograms carbon
BLANK FACTOR = 6.159829 / 10.99969 = +5.6E-01 ug/min Carbon

SAMPLE RESULTS:
(6 - 6.15935)(1)/(1) = < 5.00 E-3 g/L Carbon
(6 - 6.15935)(1)/(1)(12) = < 4.17 E-4 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

|6.00 - 6.20| = .20

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 05/03/96 Time: 11:25:46

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 3.38 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.00	0.00
2	1.01	1.20	100.00
3	1.50	5.60	78.57
4	2.00	11.70	52.14
5	2.50	15.50	24.52
6	3.00	17.70	12.43
7	3.50	19.30	8.29
8	4.00	19.90	3.02
9	4.50	20.60	3.40
10	5.00	21.10	2.37
11	5.50	21.60	2.31
12	6.00	22.30	3.14
13	6.50	22.90	2.62
14	7.00	23.40	2.14
15	7.50	23.90	2.09
16	8.00	24.30	1.65
17	8.50	24.60	1.22
18	9.00	24.80	0.81
19	9.50	25.00	0.80
20	10.00	25.30	1.19
21	10.50	25.40	0.39
22	11.00	25.60	0.78

USER INPUT BLANK VALUE
BLANK VALUE = 37.17897 micrograms carbon
BLANK FACTOR = 37.17897 / 10.99969 = +3.4E+00 ug/min Carbon

SAMPLE RESULTS:
(25.6 - 37.16639)(1)/(1) = < 5.00 E-3 g/L Carbon
(25.6 - 37.16639)(1)/(1)(12) = < 4.17 E-4 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

|25.60 - 37.20| = 11.6

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001145 Date: 05/03/96 Time: 12:37:31

Sample Size = 1 uL .1296g
Dil Factor = 1
Blank ID # =
Blank Value = .56 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.40	0.00
2	1.01	5.60	92.86
3	1.51	91.20	93.86
4	2.00	253.10	63.97
5	2.50	397.30	36.29
6	3.00	484.40	17.98
7	3.50	526.90	8.07
8	4.00	544.90	3.30
9	4.50	551.70	1.23
10	5.00	554.80	0.56
11	5.50	556.60	0.32
12	6.00	557.90	0.23
13	6.50	558.80	0.16
14	7.00	559.70	0.16
15	7.50	560.50	0.14
16	8.00	561.20	0.12
17	8.50	561.90	0.12
18	9.00	562.60	0.12
19	9.50	563.20	0.11
20	10.00	563.70	0.09
21	10.50	564.20	0.09
22	11.00	564.80	0.11

USER INPUT BLANK VALUE
BLANK VALUE = 6.159829 micrograms carbon
BLANK FACTOR = 6.159829 / 10.99969 = +5.6E-01 ug/min Carbon

SAMPLE RESULTS:
(564.8 - 6.160923)(1)/(1) = +5.586E+02 g/L Carbon
(564.8 - 6.160923)(1)/(1)(12) = +4.655E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{558.6}{.1296g} = 4.310E3$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001145 Date: 05/03/96 Time: 12:49:26

Sample Size = 1 uL .129 leg
Dil Factor = 1
Blank ID # =
Blank Value = 3.38 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.90	0.00
2	1.01	18.80	95.21
3	1.51	65.00	71.08
4	2.01	118.30	45.05
5	2.51	149.80	21.03
6	3.01	162.40	7.76
7	3.50	167.70	3.16
8	4.00	171.00	1.93
9	4.50	173.30	1.33
10	5.00	175.20	1.08
11	5.50	176.90	0.96
12	6.00	178.30	0.79
13	6.50	179.50	0.67
14	7.00	180.40	0.50
15	7.50	181.20	0.44
16	8.00	181.90	0.38
17	8.50	182.30	0.22
18	9.00	182.90	0.33
19	9.50	183.30	0.22
20	10.00	183.60	0.16
21	10.50	184.00	0.22
22	11.00	184.40	0.22

USER INPUT BLANK VALUE
BLANK VALUE = 37.17897 micrograms carbon
BLANK FACTOR = 37.17897 / 10.99969 = +3.4E+00 ug/min Carbon

SAMPLE RESULTS:
(184.4 - 37.18227)(1)/(1) = +1.472E+02 g/L Carbon
(184.4 - 37.18227)(1)/(1)(12) = +1.227E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{147.2}{.129\,leg} = 1.136^{E3}$

1467

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1145 DUP Date: 05/03/96 Time: 12:12:17

Sample Size = 1 uL .1457g
Dil Factor = 1
Blank ID # =
Blank Value = .56 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.10	0.00
2	1.01	6.40	98.44
3	1.51	120.40	94.68
4	2.00	313.00	61.53
5	2.50	465.50	32.76
6	3.00	555.00	16.13
7	3.51	600.20	7.53
8	4.01	618.90	3.02
9	4.50	626.00	1.13
10	5.00	629.20	0.51
11	5.50	630.90	0.27
12	6.00	632.20	0.21
13	6.50	633.40	0.19
14	7.00	634.40	0.16
15	7.50	635.20	0.13
16	8.00	636.10	0.14
17	8.50	636.90	0.13
18	9.00	637.70	0.13
19	9.50	638.30	0.09
20	10.00	638.90	0.09
21	10.50	639.50	0.09
22	11.00	640.00	0.08

USER INPUT BLANK VALUE
BLANK VALUE = 6.159829 micrograms carbon
BLANK FACTOR = 6.159829 / 10.99969 = +5.6E-01 ug/min Carbon

SAMPLE RESULTS:
(640 - 6.159897)(1)/(1) = +6.338E+02 g/L Carbon
(640 - 6.159897)(1)/(1)(12) = +5.282E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{633.8}{.1457g} = 4.350^{23}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1145 DUP Date: 05/03/96 Time: 12:24:27

Sample Size = 1 uL .1457g
Dil Factor = 1
Blank ID # =
Blank Value = 3.38 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.60	0.00
2	1.01	23.90	97.49
3	1.51	74.40	67.88
4	2.00	133.40	44.23
5	2.50	165.20	19.25
6	3.00	177.40	6.88
7	3.50	182.90	3.01
8	4.00	186.00	1.67
9	4.50	188.70	1.43
10	5.00	191.00	1.20
11	5.50	192.70	0.88
12	6.00	194.10	0.72
13	6.50	195.10	0.51
14	7.00	195.90	0.41
15	7.50	196.70	0.41
16	8.00	197.40	0.35
17	8.50	197.90	0.25
18	9.00	198.30	0.20
19	9.50	198.80	0.25
20	10.00	199.40	0.30
21	10.50	199.60	0.10
22	11.00	200.00	0.20

USER INPUT BLANK VALUE
BLANK VALUE = 37.17897 micrograms carbon
BLANK FACTOR = 37.17897 / 10.99969 = +3.4E+00 ug/min Carbon

SAMPLE RESULTS:
(200 - 37.16989)(1)/(1) = +1.628E+02 g/L Carbon
(200 - 37.16989)(1)/(1)(12) = +1.357E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

1469

$\frac{162.8}{.1457g} = 1.117E3$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001141 Date: 05/03/96 Time: 13:25:40

Sample Size = 1 uL .0810g
Dil Factor = 1
Blank ID # =
Blank Value = .56 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.30	0.00
2	1.01	13.00	97.69
3	1.51	150.50	91.36
4	2.01	321.10	53.13
5	2.51	449.90	28.63
6	3.01	522.20	13.85
7	3.51	556.50	6.16
8	4.01	571.10	2.56
9	4.50	577.50	1.11
10	5.00	581.30	0.65
11	5.50	583.90	0.45
12	6.00	586.00	0.36
13	6.50	587.50	0.26
14	7.00	588.80	0.22
15	7.50	589.90	0.19
16	8.00	590.70	0.14
17	8.50	591.40	0.12
18	9.00	592.30	0.15
19	9.50	592.80	0.08
20	10.00	593.40	0.10
21	10.50	594.10	0.12
22	11.00	594.60	0.08

USER INPUT BLANK VALUE
BLANK VALUE = 6.159829 micrograms carbon
BLANK FACTOR = 6.159829 / 10.99969 = +5.6E-01 ug/min Carbon

SAMPLE RESULTS:
(594.6 - 6.160957)(1)/(1) = +5.884E+02 g/L Carbon
(594.6 - 6.160957)(1)/(1)(12) = +4.904E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{588.4}{.0810g} = 7.264^{E3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001141 Date: 05/03/96 Time: 13:37:43

Sample Size = 1 uL .0810g
Dil Factor = 1
Blank ID # =
Blank Value = 3.38 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.70	0.00
2	1.01	20.00	96.50
3	1.51	68.50	70.80
4	2.00	109.60	37.50
5	2.50	132.30	17.16
6	3.00	140.70	5.97
7	3.50	144.10	2.36
8	4.00	146.20	1.44
9	4.50	147.70	1.02
10	5.00	149.00	0.87
11	5.50	149.90	0.60
12	6.00	150.60	0.46
13	6.50	151.30	0.46
14	7.00	151.80	0.33
15	7.50	152.30	0.33
16	8.00	152.70	0.26
17	8.50	153.10	0.26
18	9.00	153.50	0.26
19	9.50	153.80	0.20
20	10.00	154.20	0.26
21	10.50	154.40	0.13
22	11.00	154.70	0.19

USER INPUT BLANK VALUE
BLANK VALUE = 37.17897 micrograms carbon
BLANK FACTOR = 37.17897 / 10.99969 = +3.4E+00 ug/min Carbon

SAMPLE RESULTS:
(154.7 - 37.17938)(1)/(1) = +1.175E+02 g/L Carbon
(154.7 - 37.17938)(1)/(1)(12) = +9.793E+00 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{117.5}{.0810g} = 1.45183$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1141 DUP Date: 05/03/96 Time: 13:49:25

Sample Size = 1 uL .0743g
Dil Factor = 1
Blank ID # =
Blank Value = .56 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.30	0.00
2	1.01	6.00	95.00
3	1.50	104.90	94.28
4	2.00	266.70	60.67
5	2.50	403.90	33.97
6	3.00	489.80	17.54
7	3.50	536.20	8.65
8	4.00	558.10	3.92
9	4.50	567.40	1.64
10	5.00	571.80	0.77
11	5.50	574.10	0.40
12	6.00	575.10	0.17
13	6.50	576.10	0.17
14	7.00	576.80	0.12
15	7.50	577.30	0.09
16	8.00	577.90	0.10
17	8.50	578.40	0.09
18	9.00	578.80	0.07
19	9.50	579.30	0.09
20	10.00	579.70	0.07
21	10.50	580.20	0.09
22	11.00	580.50	0.05

USER INPUT BLANK VALUE
BLANK VALUE = 6.159829 micrograms carbon
BLANK FACTOR = 6.159829 / 10.99969 = +5.6E-01 ug/min Carbon

SAMPLE RESULTS:
(580.5 - 6.15935)(1)/(1) = +5.743E+02 g/L Carbon
(580.5 - 6.15935)(1)/(1)(12) = +4.786E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{574.3}{.0743g} = 7.729$

1472

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1141 DUP Date: 05/03/96 Time: 14:02:13

Sample Size = 1 uL .0743g
Dil Factor = 1
Blank ID # =
Blank Value = 3.38 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.40	0.00
2	1.01	14.10	97.16
3	1.51	64.40	78.11
4	2.00	104.30	38.26
5	2.50	125.50	16.89
6	3.00	133.20	5.78
7	3.50	136.30	2.27
8	4.00	138.00	1.23
9	4.50	139.00	0.72
10	5.00	139.80	0.57
11	5.50	140.60	0.57
12	6.00	141.30	0.50
13	6.50	142.00	0.49
14	7.00	142.70	0.49
15	7.50	143.20	0.35
16	8.00	143.70	0.35
17	8.50	144.10	0.28
18	9.00	144.40	0.21
19	9.50	144.80	0.28
20	10.00	144.90	0.07
21	10.50	145.30	0.28
22	11.00	145.50	0.14

USER INPUT BLANK VALUE
BLANK VALUE = 37.17897 micrograms carbon
BLANK FACTOR = 37.17897 / 10.99969 = +3.4E+00 ug/min Carbon

SAMPLE RESULTS:
(145.5 - 37.18227)(1)/(1) = +1.083E+02 g/L Carbon
(145.5 - 37.18227)(1)/(1)(12) = +9.026E+00 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{108.3}{.0743g} = 1.458^{E3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1141 SPIKE Date: 05/03/96 Time: 14:14:30

Sample Size = 1 uL . 0811g + .500ml 22N12A
Dil Factor = 1
Blank ID # =
Blank Value = .56 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.10	0.00
2	1.01	11.10	99.10
3	1.51	175.50	93.68
4	2.01	443.50	60.43
5	2.51	661.90	33.00
6	3.01	790.30	16.25
7	3.51	857.00	7.78
8	4.01	888.70	3.57
9	4.50	901.40	1.41
10	5.00	906.30	0.54
11	5.50	908.40	0.23
12	6.00	909.80	0.15
13	6.50	910.60	0.09
14	7.00	911.30	0.08
15	7.50	912.00	0.08
16	8.00	912.60	0.07
17	8.50	913.30	0.08
18	9.00	913.80	0.05
19	9.50	914.30	0.05
20	10.00	914.80	0.05
21	10.50	915.20	0.04
22	11.00	915.70	0.05

USER INPUT BLANK VALUE
BLANK VALUE = 6.159829 micrograms carbon
BLANK FACTOR = 6.159829 / 10.99969 = +5.6E-01 ug/min Carbon

SAMPLE RESULTS:
(915.7 - 6.160854)(1)/(1) = +9.095E+02 g/L Carbon
(915.7 - 6.160854)(1)/(1)(12) = +7.579E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$$\frac{915.70}{\frac{594.60}{.0810} \times .0811 + 300} = \frac{915.70}{895.33} = 102.278$$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1141 SPIKE Date: 05/03/96 Time: 14:26:30

Sample Size = 1 uL .0811g + .200ml 16N12E
Dil Factor = 1
Blank ID # =
Blank Value = 3.38 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.50	0.00
2	1.01	21.60	97.69
3	1.51	124.10	82.59
4	2.00	279.50	55.60
5	2.50	368.00	24.05
6	3.00	401.40	8.32
7	3.50	411.30	2.41
8	4.00	414.80	0.84
9	4.50	416.30	0.36
10	5.00	417.20	0.22
11	5.50	418.80	0.38
12	6.00	420.00	0.29
13	6.50	421.60	0.38
14	7.00	423.90	0.54
15	7.50	425.90	0.47
16	8.00	427.70	0.42
17	8.50	428.80	0.26
18	9.00	429.80	0.23
19	9.50	430.80	0.23
20	10.00	431.60	0.19
21	10.50	432.20	0.14
22	11.00	432.80	0.14

USER INPUT BLANK VALUE
BLANK VALUE = 37.17897 micrograms carbon
BLANK FACTOR = 37.17897 / 10.99969 = +3.4E+00 ug/min Carbon

SAMPLE RESULTS:
(432.8 - 37.17959)(1)/(1) = +3.956E+02 g/L Carbon
(432.8 - 37.17959)(1)/(1)(12) = +3.297E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$$\frac{432.80}{\frac{154.70}{.0811} \times .0811 + 300} = \frac{43280}{454.89} = 95.14\%$$

1475

worklistrpt Version 2.1 05/15/95
04/19/96 14:09

LABCORE Data Entry Template for Worklist# 6491

Analyst: JLS2 **Instrument:** CARB2 **Book #** 22N12A TIC 16N12E TOC

Method: LA-342-100 Rev/Mod D-0

Worklist Comment: S-102 @TICTOC1.

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				@TICTOC1 TIC-02	SOLID	1	1.9	N/A	ug/g
		1	BLNK				@TICTOC1 TOC-02	SOLID	1	13.3	N/A	ug/g
		2	STD				@TICTOC1 TIC-02	SOLID	6.00E2	6.31E2	N/A	ug/g
		2	STD				@TICTOC1 TOC-02	SOLID	3.00E3	2.76E3	N/A	ug/g
96000094	S102	3	SAMPLE	S96T001146	0		@TICTOC1 TIC-02	SOLID	N/A	3.42E3	5.00	ug/g
96000094	S102	3	SAMPLE	S96T001146	0		@TICTOC1 TOC-02	SOLID	N/A	1.72E3	40.0	ug/g
96000094	S102	4	DUP	S96T001146	0		@TICTOC1 TIC-02	SOLID	3.42E3	3.70E3	N/A	ug/g
96000094	S102	4	DUP	S96T001146	0		@TICTOC1 TOC-02	SOLID	1.72E3	1.77E3	N/A	ug/g
96000094	S102	5	SPK	S96T001146	0		@TICTOC1 TIC-02	SOLID	100	105	N/A	ug/g
96000094	S102	5	SPK	S96T001146	0		@TICTOC1 TOC-02	SOLID	100	97	N/A	ug/g
96000094	S102	6	SAMPLE	S96T001147	0		@TICTOC1 TIC-02	SOLID	N/A	1.51E3	5.00	ug/g
96000094	S102	6	SAMPLE	S96T001147	0		@TICTOC1 TOC-02	SOLID	N/A	1.67E3	40.0	ug/g
96000094	S102	7	DUP	S96T001147	0		@TICTOC1 TIC-02	SOLID	1.51E3	1.73E3	N/A	ug/g
96000094	S102	7	DUP	S96T001147	0		@TICTOC1 TOC-02	SOLID	1.67E3	1.73E3	N/A	ug/g
96000094	S102	8	SAMPLE	S96T001148	0		@TICTOC1 TIC-02	SOLID	N/A	3.31E3	5.00	ug/g
96000094	S102	8	SAMPLE	S96T001148	0		@TICTOC1 TOC-02	SOLID	N/A	2.36E3	40.0	ug/g
96000094	S102	9	DUP	S96T001148	0		@TICTOC1 TIC-02	SOLID	3.31E3	3.84E3	N/A	ug/g
96000094	S102	9	DUP	S96T001148	0		@TICTOC1 TOC-02	SOLID	2.36E3	2.22E3	N/A	ug/g

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 6491

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
96000094	S102	10	SAMPLE	S96T001149	0		@TICTOC1 TIC-02	SOLID	N/A	8.65 E3	5.00	ug/g
96000094	S102	10	SAMPLE	S96T001149	0		@TICTOC1 TOC-02	SOLID	N/A	3.23 E3	40.0	ug/g
96000094	S102	11	DUP	S96T001149	0		@TICTOC1 TIC-02	SOLID	8.65 E3	8.74 E3	N/A	ug/g
96000094	S102	11	DUP	S96T001149	0		@TICTOC1 TOC-02	SOLID	3.23 E3	3.29 E3	N/A	ug/g

Final page for worklist # 6491

Jackie Steele 4/19/96
Analyst Signature **Date**

4-20-96
Analyst Signature **Date**

Reviewed By RW Schroeder
4/22/96

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

WHO-CONFIDENTIAL

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
<<< BLANK ANALYSIS >>>

Sample: BASELINE Date: 04/19/96 Time: 09:42:18

Sample Size = 1 uL
Dil Factor = 1
Blank ID # = BASELINE
Blank Value = N/A

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.00	0.00
2	1.01	0.60	100.00
3	1.51	1.20	50.00
4	2.01	1.80	33.33
5	2.50	2.10	14.29
6	3.00	2.50	16.00
7	3.50	2.70	7.41
8	4.00	3.00	10.00
9	4.50	3.30	9.09
10	5.00	3.50	5.71
11	5.50	3.80	7.89
12	6.00	4.00	5.00
13	6.50	4.20	4.76
14	7.00	4.40	4.55
15	7.50	4.70	6.38
16	8.00	5.00	6.00
17	8.50	5.20	3.85
18	9.00	5.40	3.70
19	9.50	5.70	5.26
20	10.00	6.00	5.00
21	10.50	6.20	3.23
22	11.00	6.40	3.13

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 14-B TO 15C.

BLANK VALUE = 6.4 micrograms carbon
BLANK FACTOR = 6.4 / 11.00067 = +5.8E-01 ug/min Carbon

Sample Run By: Jaime Steele 4/19/96
JL STEELE 00000

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
<<< BLANK ANALYSIS >>>

Sample: BASELINE Date: 04/19/96 Time: 10:04:53

Sample Size = 1 uL
Dil Factor = 1
Blank ID # = BASELINE
Blank Value = N/A

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.30	0.00
2	1.01	1.30	76.92
3	1.51	4.30	69.77
4	2.00	12.20	64.75
5	2.50	17.30	29.48
6	3.01	19.00	8.95
7	3.51	20.10	5.47
8	4.01	20.80	3.37
9	4.50	21.60	3.70
10	5.00	22.30	3.14
11	5.50	23.10	3.46
12	6.00	23.50	1.70
13	6.50	24.10	2.49
14	7.00	24.60	2.03
15	7.50	25.20	2.38
16	8.00	25.50	1.18
17	8.50	26.00	1.92
18	9.00	26.30	1.14
19	9.50	26.70	1.50
20	10.00	27.10	1.48
21	10.50	27.60	1.81
22	11.00	27.90	1.08

BLANK VALUE = 27.9 micrograms carbon
BLANK FACTOR = 27.9 / 11.00146 = +2.54E+00 ug/min Carbon

<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 22N12A Date: 04/19/96 Time: 10:18:14

Sample Size = 1 uL 1ml
Dil Factor = 1
Blank ID # =
Blank Value = .58 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.00	0.00
2	1.01	28.30	100.00
3	1.51	162.90	82.63
4	2.00	334.70	51.33
5	2.50	477.70	29.94
6	3.00	562.60	15.09
7	3.50	604.80	6.98
8	4.00	623.10	2.94
9	4.50	629.90	1.08
10	5.00	632.40	0.40
11	5.50	633.60	0.19
12	6.00	634.30	0.11
13	6.50	634.70	0.06
14	7.00	635.10	0.06
15	7.50	635.50	0.06
16	8.00	635.90	0.06
17	8.50	636.20	0.05
18	9.00	636.60	0.06
19	9.50	636.80	0.03
20	10.00	637.20	0.06
21	10.50	637.50	0.05
22	11.00	637.70	0.03

USER INPUT BLANK VALUE
BLANK VALUE = 6.380849 micrograms carbon
BLANK FACTOR = 6.380849 / 11.00146 = +5.8E-01 ug/min Carbon

SAMPLE RESULTS:
(637.7 - 6.379929)(1)/(1) = +6.313E+02 g/L Carbon
(637.7 - 6.379929)(1)/(1)(12) = +5.261E+01 Molar Carbon

Sample Run By: Jessie Steele
JL STEELE 00000

$\frac{631.3}{602} = 104.87\%$

1480

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 16N12E Date: 04/19/96 Time: 10:34:17

Sample Size = 1 uL .200ml
Dil Factor = 1
Blank ID # =
Blank Value = 2.54 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.00	0.00
2	1.01	26.30	100.00
3	1.51	187.70	85.99
4	2.00	399.40	53.00
5	2.50	520.20	23.22
6	3.00	557.50	6.69
7	3.50	567.00	1.68
8	4.00	570.20	0.56
9	4.50	571.80	0.28
10	5.00	572.70	0.16
11	5.50	573.70	0.17
12	6.00	574.70	0.17
13	6.50	575.30	0.10
14	7.00	575.90	0.10
15	7.50	576.40	0.09
16	8.00	577.10	0.12
17	8.50	577.40	0.05
18	9.00	577.90	0.09
19	9.50	578.40	0.09
20	10.00	578.70	0.05
21	10.50	579.00	0.05
22	11.00	579.40	0.07

USER INPUT BLANK VALUE
BLANK VALUE = 27.94372 micrograms carbon
BLANK FACTOR = 27.94372 / 11.00146 = +2.5E+00 ug/min Carbon

SAMPLE RESULTS:
(579.4 - 27.93922)(1)/(1) = +5.515E+02 g/L Carbon
(579.4 - 27.93922)(1)/(1)(12) = +4.596E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{551.5}{.200ml} = \frac{2757.5}{3000} = 91.920$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 04/19/96 Time: 10:47:21

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .58 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.30	0.00
2	1.01	1.60	81.25
3	1.51	3.10	48.39
4	2.00	3.80	18.42
5	2.50	4.30	11.63
6	3.00	4.60	6.52
7	3.50	4.90	6.12
8	4.00	5.20	5.77
9	4.50	5.40	3.70
10	5.00	5.70	5.26
11	5.50	5.80	1.72
12	6.00	6.10	4.92
13	6.50	6.30	3.17
14	7.00	6.50	3.08
15	7.50	6.70	2.99
16	8.00	7.00	4.29
17	8.50	7.20	2.78
18	9.00	7.40	2.70
19	9.50	7.70	3.90
20	10.00	7.90	2.53
21	10.50	8.10	2.47
22	11.00	8.30	2.41

USER INPUT BLANK VALUE
BLANK VALUE = 6.380849 micrograms carbon
BLANK FACTOR = 6.380849 / 11.00146 = +5.8E-01 ug/min Carbon

SAMPLE RESULTS:
(8.3 - 6.379823)(1)/(1) = +1.9E+00 g/L Carbon
(8.3 - 6.379823)(1)/(1)(12) = +1.6E-01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

|8.30 - 6.40| = 1.9

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 04/19/96 Time: 11:00:28

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.54 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	0.30	33.33
3	1.50	0.70	57.14
4	2.00	2.60	73.08
5	2.50	5.80	55.17
6	3.00	8.30	30.12
7	3.50	9.80	15.31
8	4.00	10.50	6.67
9	4.50	10.90	3.67
10	5.00	11.30	3.54
11	5.50	11.70	3.42
12	6.00	12.00	2.50
13	6.50	12.20	1.64
14	7.00	12.50	2.40
15	7.50	12.80	2.34
16	8.00	13.10	2.29
17	8.50	13.30	1.50
18	9.00	13.60	2.21
19	9.50	13.80	1.45
20	10.00	14.20	2.82
21	10.50	14.40	1.39
22	11.00	14.60	1.37

USER INPUT BLANK VALUE
BLANK VALUE = 27.94372 micrograms carbon
BLANK FACTOR = 27.94372 / 11.00146 = +2.5E+00 ug/min Carbon

SAMPLE RESULTS:
(14.6 - 27.93488)(1)/(1) = < 5.00 E-3 g/L Carbon
(14.6 - 27.93488)(1)/(1)(12) = < 4.17 E-4 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

|14.60 - 27.90| = 13.3

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001146 Date: 04/19/96 Time: 11:13:47

Sample Size = 1 uL .1191g
Dil Factor = 1
Blank ID # =
Blank Value = .58 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.00	2.70	92.59
3	1.50	45.30	94.04
4	2.00	142.40	68.19
5	2.50	232.60	38.78
6	3.00	296.40	21.52
7	3.50	336.30	11.86
8	4.00	359.30	6.40
9	4.50	374.40	4.03
10	5.00	384.80	2.70
11	5.50	392.50	1.96
12	6.00	396.90	1.11
13	6.50	400.10	0.80
14	7.00	402.30	0.55
15	7.50	404.50	0.54
16	8.00	406.20	0.42
17	8.50	408.00	0.44
18	9.00	409.50	0.37
19	9.50	410.60	0.27
20	10.00	411.60	0.24
21	10.50	412.50	0.22
22	11.00	413.20	0.17

USER INPUT BLANK VALUE
BLANK VALUE = 6.380849 micrograms carbon
BLANK FACTOR = 6.380849 / 11.00146 = +5.8E-01 ug/min Carbon

SAMPLE RESULTS:
(413.2 - 6.379823)(1)/(1) = +4.068E+02 g/L Carbon
(413.2 - 6.379823)(1)/(1)(12) = +3.390E+01 Molar Carbon

Sample Run By: Jackie Steele
JLSTEELE 00000

$\frac{406.8}{.1191g} = 3.416^{E3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001146 Date: 04/19/96 Time: 11:27:14

Sample Size = 1 uL .1191g
Dil Factor = 1
Blank ID # =
Blank Value = 2.54 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.70	0.00
2	1.01	13.00	94.62
3	1.51	67.90	80.85
4	2.00	137.60	50.65
5	2.50	187.70	26.69
6	3.00	207.60	9.59
7	3.50	215.20	3.53
8	4.00	219.20	1.82
9	4.50	221.60	1.08
10	5.00	223.70	0.94
11	5.50	225.10	0.62
12	6.00	226.50	0.62
13	6.50	227.60	0.48
14	7.00	228.50	0.39
15	7.50	229.60	0.48
16	8.00	230.00	0.17
17	8.50	230.70	0.30
18	9.00	231.30	0.26
19	9.50	231.80	0.22
20	10.00	232.20	0.17
21	10.50	232.70	0.21
22	11.00	233.20	0.21

USER INPUT BLANK VALUE
BLANK VALUE = 27.94372 micrograms carbon
BLANK FACTOR = 27.94372 / 11.00146 = +2.5E+00 ug/min Carbon

SAMPLE RESULTS:
(233.2 - 27.93954)(1)/(1) = +2.053E+02 g/L Carbon
(233.2 - 27.93954)(1)/(1)(12) = +1.711E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{205.3}{.1191g} = 1.724^{E3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1146 DUP Date: 04/19/96 Time: 11:39:22

Sample Size = 1 uL .1339g
Dil Factor = 1
Blank ID # =
Blank Value = .58 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.50	0.00
2	1.01	3.20	84.38
3	1.51	49.90	93.59
4	2.00	179.30	72.17
5	2.50	302.00	40.63
6	3.00	381.90	20.92
7	3.50	426.40	10.44
8	4.00	450.80	5.41
9	4.50	464.50	2.95
10	5.00	472.40	1.67
11	5.50	477.70	1.11
12	6.00	482.10	0.91
13	6.50	485.30	0.66
14	7.00	488.40	0.63
15	7.50	491.50	0.63
16	8.00	493.60	0.43
17	8.50	495.60	0.40
18	9.00	497.30	0.34
19	9.50	498.90	0.32
20	10.00	500.10	0.24
21	10.50	501.10	0.20
22	11.00	502.10	0.20

USER INPUT BLANK VALUE
BLANK VALUE = 6.380849 micrograms carbon
BLANK FACTOR = 6.380849 / 11.00146 = +5.8E-01 ug/min Carbon

SAMPLE RESULTS:
(502.1 - 6.380424)(1)/(1) = +4.957E+02 g/L Carbon
(502.1 - 6.380424)(1)/(1)(12) = +4.131E+01 Molar Carbon

Sample Run By: Jacque Steele
JLSTEELE 00000

$\frac{495.7}{.1339g} = 3.702E3$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1146 DUP Date: 04/19/96 Time: 11:52:29

Sample Size = 1 uL .1339g
Dil Factor = 1
Blank ID # =
Blank Value = 2.54 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.70	0.00
2	1.01	11.00	93.64
3	1.51	67.20	83.63
4	2.01	147.70	54.50
5	2.51	206.50	28.47
6	3.01	233.30	11.49
7	3.51	243.50	4.19
8	4.01	248.60	2.05
9	4.50	251.90	1.31
10	5.00	254.10	0.87
11	5.50	255.90	0.70
12	6.00	257.30	0.54
13	6.50	258.80	0.58
14	7.00	259.80	0.38
15	7.50	260.90	0.42
16	8.00	261.60	0.27
17	8.50	262.50	0.34
18	9.00	263.10	0.23
19	9.50	263.80	0.27
20	10.00	264.40	0.23
21	10.50	264.90	0.19
22	11.00	265.50	0.23

USER INPUT BLANK VALUE
BLANK VALUE = 27.94372 micrograms carbon
BLANK FACTOR = 27.94372 / 11.00146 = +2.5E+00 ug/min Carbon

SAMPLE RESULTS:
(265.5 - 27.94387)(1)/(1) = +2.376E+02 g/L Carbon
(265.5 - 27.94387)(1)/(1)(12) = +1.980E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{237.4}{.1339g} = 1.774^{E3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1146 SPIKE Date: 04/19/96 Time: 12:05:10

Sample Size = 1 uL .1853g
Dil Factor = 1
Blank ID # = + .500ml 22N12A
Blank Value = .58 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.60	0.00
2	1.01	17.30	96.53
3	1.50	195.50	91.15
4	2.00	435.80	55.14
5	2.50	631.80	31.02
6	3.00	763.50	17.25
7	3.50	850.00	10.18
8	4.00	899.10	5.46
9	4.50	926.80	2.99
10	5.00	944.70	1.89
11	5.50	957.50	1.34
12	6.00	965.20	0.80
13	6.50	970.70	0.57
14	7.00	975.40	0.48
15	7.50	978.90	0.36
16	8.00	982.30	0.35
17	8.50	984.80	0.25
18	9.00	987.20	0.24
19	9.50	989.00	0.18
20	10.00	990.90	0.19
21	10.50	992.00	0.11
22	11.00	993.30	0.13

USER INPUT BLANK VALUE
BLANK VALUE = 6.380849 micrograms carbon
BLANK FACTOR = 6.380849 / 11.00146 = +5.8E-01 ug/min Carbon

SAMPLE RESULTS:
(993.3 - 6.379823)(1)/(1) = +9.869E+02 g/L Carbon
(993.3 - 6.379823)(1)/(1)(12) = +8.224E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$$\frac{993.30}{\frac{413.20}{.1191} \times .1853 + 300} = \frac{993.30}{942.87} = 105.35\%$$

1488

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1146 SPIKE Date: 04/19/96 Time: 12:18:59

Sample Size = 1 uL .1853g + 100ml 16N12-E
Dil Factor = 1
Blank ID # =
Blank Value = 2.54 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.00	0.00
2	1.01	12.70	92.13
3	1.51	120.50	89.46
4	2.01	328.30	63.30
5	2.51	510.30	35.67
6	3.01	581.50	12.24
7	3.51	605.80	4.01
8	4.01	615.50	1.58
9	4.50	620.70	0.84
10	5.00	624.10	0.54
11	5.50	627.00	0.46
12	6.00	629.10	0.33
13	6.50	631.00	0.30
14	7.00	632.90	0.30
15	7.50	634.20	0.20
16	8.00	635.30	0.17
17	8.50	636.50	0.19
18	9.00	637.30	0.13
19	9.50	638.30	0.16
20	10.00	639.10	0.13
21	10.50	640.00	0.14
22	11.00	640.60	0.09

USER INPUT BLANK VALUE
BLANK VALUE = 27.94372 micrograms carbon
BLANK FACTOR = 27.94372 / 11.00146 = +2.5E+00 ug/min Carbon

SAMPLE RESULTS:
(640.6 - 27.94434)(1)/(1) = +6.127E+02 g/L Carbon
(640.6 - 27.94434)(1)/(1)(12) = +5.105E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jacque Steele
JL STEELE 00000

$$\frac{640.60}{\frac{233.20}{.1191} \times .1853 + 300} = \frac{640.60}{662.82} = 96.65\%$$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T00114 Date: 04/19/96 Time: 12:30:52

Sample Size = 1 uL .1743g
Dil Factor = 1
Blank ID # =
Blank Value = .58 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.50	0.00
2	1.01	1.90	73.68
3	1.51	8.70	78.16
4	2.00	29.00	70.00
5	2.50	79.90	63.70
6	3.00	130.90	38.96
7	3.50	165.00	20.67
8	4.00	186.40	11.48
9	4.50	201.40	7.45
10	5.00	213.80	5.80
11	5.50	222.50	3.91
12	6.00	230.20	3.34
13	6.50	236.40	2.62
14	7.00	241.90	2.27
15	7.50	247.20	2.14
16	8.00	252.60	2.14
17	8.50	256.50	1.52
18	9.00	260.00	1.35
19	9.50	262.70	1.03
20	10.00	265.10	0.91
21	10.50	267.20	0.79
22	11.00	269.20	0.74

USER INPUT BLANK VALUE
BLANK VALUE = 6.380849 micrograms carbon
BLANK FACTOR = 6.380849 / 11.00146 = +5.8E-01 ug/min Carbon

SAMPLE RESULTS:
(269.2 - 6.379327)(1)/(1) = +2.628E+02 g/L Carbon
(269.2 - 6.379327)(1)/(1)(12) = +2.190E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{262.8}{.1743g} = 1.508E3$

1490

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001147 Date: 04/19/96 Time: 12:44:13

Sample Size = 1 uL .1743g
Dil Factor = 1
Blank ID # =
Blank Value = 2.54 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	2.50	0.00
2	1.01	9.60	73.96
3	1.50	57.00	83.16
4	2.00	152.20	62.55
5	2.50	239.00	36.32
6	3.00	278.10	14.06
7	3.50	293.20	5.15
8	4.00	299.60	2.14
9	4.50	303.30	1.22
10	5.00	305.60	0.75
11	5.50	307.60	0.65
12	6.00	309.20	0.52
13	6.50	310.90	0.55
14	7.00	312.20	0.42
15	7.50	313.30	0.35
16	8.00	314.30	0.32
17	8.50	315.30	0.32
18	9.00	316.10	0.25
19	9.50	316.80	0.22
20	10.00	317.70	0.28
21	10.50	318.60	0.28
22	11.00	319.10	0.16

USER INPUT BLANK VALUE
BLANK VALUE = 27.94372 micrograms carbon
BLANK FACTOR = 27.94372 / 11.00146 = +2.5E+00 ug/min Carbon

SAMPLE RESULTS:
(319.1 - 27.93488)(1)/(1) = +2.912E+02 g/L Carbon
(319.1 - 27.93488)(1)/(1)(12) = +2.426E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{291.2}{.1743g} = 1.671^{E3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1147 DUP Date: 04/19/96 Time: 12:57:11

Sample Size = 1 uL .1928g
Dil Factor = 1
Blank ID # =
Blank Value = .58 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.80	0.00
2	1.01	1.90	57.89
3	1.50	12.70	85.04
4	2.00	42.10	69.83
5	2.50	79.20	46.84
6	3.00	109.70	27.80
7	3.50	135.70	19.16
8	4.00	157.10	13.62
9	4.50	192.20	18.26
10	5.00	229.00	16.07
11	5.50	254.50	10.02
12	6.00	273.90	7.08
13	6.50	290.40	5.68
14	7.00	302.30	3.94
15	7.50	310.50	2.64
16	8.00	317.20	2.11
17	8.50	322.30	1.58
18	9.00	327.10	1.47
19	9.50	330.70	1.09
20	10.00	334.10	1.02
21	10.50	336.90	0.83
22	11.00	339.20	0.68

USER INPUT BLANK VALUE
BLANK VALUE = 6.380849 micrograms carbon
BLANK FACTOR = 6.380849 / 11.00146 = +5.8E-01 ug/min Carbon

SAMPLE RESULTS:
(339.2 - 6.380389)(1)/(1) = +3.328E+02 g/L Carbon
(339.2 - 6.380389)(1)/(1)(12) = +2.773E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{332.8}{.1928g} = 1.726^{E3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1147 DUP / Date: 04/19/96 Time: 13:09:55

Sample Size = 1 uL .1928g
Dil Factor = 1
Blank ID # =
Blank Value = 2.54 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	2.50	0.00
2	1.01	13.10	80.92
3	1.51	67.70	80.65
4	2.00	174.30	61.16
5	2.50	271.50	35.80
6	3.00	316.00	14.08
7	3.50	332.10	4.85
8	4.00	339.10	2.06
9	4.50	342.70	1.05
10	5.00	345.60	0.84
11	5.50	347.30	0.49
12	6.00	349.50	0.63
13	6.50	351.00	0.43
14	7.00	352.40	0.40
15	7.50	353.90	0.42
16	8.00	354.80	0.25
17	8.50	356.00	0.34
18	9.00	357.10	0.31
19	9.50	357.90	0.22
20	10.00	358.70	0.22
21	10.50	359.60	0.25
22	11.00	360.40	0.22

USER INPUT BLANK VALUE
BLANK VALUE = 27.94372 micrograms carbon
BLANK FACTOR = 27.94372 / 11.00146 = +2.5E+00 ug/min Carbon

SAMPLE RESULTS:
(360.4 - 27.94171)(1)/(1) = +3.325E+02 g/L Carbon
(360.4 - 27.94171)(1)/(1)(12) = +2.770E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jacque Steele
JL STEELE 00000

$\frac{332.5}{.1928g} = 1.725^{E3}$

1493

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001148 Date: 04/19/96 Time: 13:21:53

Sample Size = 1 uL .1248g
Dil Factor = 1
Blank ID # =
Blank Value = .58 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.90	0.00
2	1.01	2.10	57.14
3	1.51	15.60	86.54
4	2.00	80.60	80.65
5	2.50	165.70	51.36
6	3.00	237.10	30.11
7	3.50	285.00	16.81
8	4.00	323.70	11.96
9	4.50	350.70	7.70
10	5.00	367.20	4.49
11	5.50	378.20	2.91
12	6.00	386.20	2.07
13	6.50	392.30	1.55
14	7.00	397.10	1.21
15	7.50	401.40	1.07
16	8.00	404.90	0.86
17	8.50	408.20	0.81
18	9.00	411.20	0.73
19	9.50	413.50	0.56
20	10.00	415.60	0.51
21	10.50	417.40	0.43
22	11.00	419.10	0.41

USER INPUT BLANK VALUE
BLANK VALUE = 6.380849 micrograms carbon
BLANK FACTOR = 6.380849 / 11.00146 = +5.8E-01 ug/min Carbon

SAMPLE RESULTS:
(419.1 - 6.379929)(1)/(1) = +4.127E+02 g/L Carbon
(419.1 - 6.379929)(1)/(1)(12) = +3.439E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{412.7}{.1248g} = 3.307^{E3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001148 Date: 04/19/96 Time: 13:34:38

Sample Size = 1 uL .1248g
Dil Factor = 1
Blank ID # =
Blank Value = 2.54 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	2.10	0.00
2	1.01	13.90	84.89
3	1.50	86.30	83.89
4	2.00	190.80	54.77
5	2.50	261.10	26.92
6	3.00	289.20	9.72
7	3.50	298.60	3.15
8	4.00	303.50	1.61
9	4.50	306.00	0.82
10	5.00	308.50	0.81
11	5.50	310.40	0.61
12	6.00	312.30	0.61
13	6.50	313.40	0.35
14	7.00	314.70	0.41
15	7.50	315.60	0.29
16	8.00	316.80	0.38
17	8.50	317.80	0.31
18	9.00	318.50	0.22
19	9.50	319.50	0.31
20	10.00	320.40	0.28
21	10.50	321.00	0.19
22	11.00	321.80	0.25

USER INPUT BLANK VALUE
BLANK VALUE = 27.94372 micrograms carbon
BLANK FACTOR = 27.94372 / 11.00146 = +2.5E+00 ug/min Carbon

SAMPLE RESULTS:
(321.8 - 27.93721)(1)/(1) = +2.939E+02 g/L Carbon
(321.8 - 27.93721)(1)/(1)(12) = +2.449E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{293.9}{.1248g} = 2.355^{E3}$

1495

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1148 DUP .1939g Date: 04/19/96 Time: 13:46:22

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .58 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.90	0.00
2	1.00	4.10	78.05
3	1.51	62.80	93.47
4	2.01	225.20	72.11
5	2.50	375.80	40.07
6	3.00	480.90	21.85
7	3.50	544.70	11.71
8	4.00	591.80	7.96
9	4.50	642.00	7.82
10	5.00	674.30	4.79
11	5.50	693.20	2.73
12	6.00	704.80	1.65
13	6.50	714.30	1.33
14	7.00	721.20	0.96
15	7.50	727.50	0.87
16	8.00	732.70	0.71
17	8.50	736.80	0.56
18	9.00	740.40	0.49
19	9.50	743.80	0.46
20	10.00	746.90	0.42
21	10.50	749.10	0.29
22	11.00	751.20	0.28

USER INPUT BLANK VALUE
BLANK VALUE = 6.380849 micrograms carbon
BLANK FACTOR = 6.380849 / 11.00146 = +5.8E-01 ug/min Carbon

SAMPLE RESULTS:
(751.2 - 6.380389)(1)/(1) = +7.448E+02 g/L Carbon
(751.2 - 6.380389)(1)/(1)(12) = +6.207E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{744.8}{.1939g} = 3.841^{e3}$

1496

WHC-CD-WM-DP-170, REV. 1

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1148 DUP Date: 04/19/96 Time: 13:58:42

Sample Size = 1 uL .1939g
Dil Factor = 1
Blank ID # =
Blank Value = 2.54 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	2.40	0.00
2	1.01	15.90	84.91
3	1.50	105.40	84.91
4	2.00	249.40	57.74
5	2.50	359.30	30.59
6	3.00	406.70	11.65
7	3.50	425.10	4.33
8	4.00	432.80	1.78
9	4.50	437.10	0.98
10	5.00	440.60	0.79
11	5.50	443.50	0.65
12	6.00	445.50	0.45
13	6.50	447.30	0.40
14	7.00	449.00	0.38
15	7.50	450.40	0.31
16	8.00	451.90	0.33
17	8.50	453.00	0.24
18	9.00	454.00	0.22
19	9.50	455.00	0.22
20	10.00	456.20	0.26
21	10.50	457.30	0.24
22	11.00	458.10	0.17

USER INPUT BLANK VALUE
BLANK VALUE = 27.94372 micrograms carbon
BLANK FACTOR = 27.94372 / 11.00146 = +2.5E+00 ug/min Carbon

SAMPLE RESULTS:
(458.1 - 27.93938)(1)/(1) = +4.302E+02 g/L Carbon
(458.1 - 27.93938)(1)/(1)(12) = +3.585E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{430.2}{.1939g} = 2.219e3$

1497

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001149 Date: 04/19/96 Time: 14:11:08

Sample Size = 1 uL .1638g
Dil Factor = 1
Blank ID # =
Blank Value = .58 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.90	0.00
2	1.01	2.80	67.86
3	1.51	17.80	84.27
4	2.00	64.70	72.49
5	2.50	174.10	62.84
6	3.00	353.50	50.75
7	3.50	537.60	34.24
8	4.00	686.30	21.67
9	4.50	810.30	15.30
10	5.00	987.00	17.90
11	5.50	1140.60	13.47
12	6.00	1220.70	6.56
13	6.50	1258.10	2.97
14	7.00	1283.80	2.00
15	7.50	1318.20	2.61
16	8.00	1356.00	2.79
17	8.50	1384.60	2.07
18	9.00	1399.30	1.05
19	9.50	1408.00	0.62
20	10.00	1414.00	0.42
21	10.50	1419.00	0.35
22	11.00	1422.70	0.26

USER INPUT BLANK VALUE
BLANK VALUE = 6.380849 micrograms carbon
BLANK FACTOR = 6.380849 / 11.00146 = +5.8E-01 ug/min Carbon

SAMPLE RESULTS:
(1422.7 - 6.380956)(1)/(1) = +1.4163E+03 g/L Carbon
(1422.7 - 6.380956)(1)/(1)(12) = +1.1803E+02 Molar Carbon

Sample Run By: Jacque Steele
JL STEELE 00000

$\frac{1416.3}{.1638g} = 8.647E3$

1498

WHC-SD-WM-DP-170, REV. 1

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001149 Date: 04/19/96 Time: 14:22:57

Sample Size = 1 uL .1638g
Dil Factor = 1
Blank ID # =
Blank Value = 2.54 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	3.90	0.00
2	1.00	13.50	71.11
3	1.50	97.50	86.15
4	2.00	261.30	62.69
5	2.50	406.10	35.66
6	3.00	479.90	15.38
7	3.50	510.50	5.99
8	4.00	523.40	2.46
9	4.50	529.90	1.23
10	5.00	534.20	0.80
11	5.50	538.00	0.71
12	6.00	540.70	0.50
13	6.50	543.50	0.52
14	7.00	545.30	0.33
15	7.50	547.60	0.42
16	8.00	549.20	0.29
17	8.50	550.50	0.24
18	9.00	552.30	0.33
19	9.50	553.70	0.25
20	10.00	555.10	0.25
21	10.50	556.30	0.22
22	11.00	557.50	0.22

USER INPUT BLANK VALUE
BLANK VALUE = 27.94372 micrograms carbon
BLANK FACTOR = 27.94372 / 11.00146 = +2.5E+00 ug/min Carbon

SAMPLE RESULTS:
(557.5 - 27.93907)(1)/(1) = +5.296E+02 g/L Carbon
(557.5 - 27.93907)(1)/(1)(12) = +4.413E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jacque Steele
JL STEELE 00000

$\frac{529.6}{.1638g} = 3.233^{E3}$

1499

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1149 DUP Date: 04/19/96 Time: 14:34:46

Sample Size = 1 uL .1229g
Dil Factor = 1
Blank ID # =
Blank Value = .58 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.50	0.00
2	1.01	3.90	61.54
3	1.51	37.30	89.54
4	2.00	167.40	77.72
5	2.51	384.40	56.45
6	3.00	581.60	33.91
7	3.50	741.20	21.53
8	4.00	870.50	14.85
9	4.50	944.10	7.80
10	5.00	981.10	3.77
11	5.50	1003.80	2.26
12	6.00	1017.80	1.38
13	6.50	1029.70	1.16
14	7.00	1042.40	1.22
15	7.50	1051.60	0.87
16	8.00	1058.90	0.69
17	8.50	1063.70	0.45
18	9.00	1068.30	0.43
19	9.50	1071.90	0.34
20	10.00	1075.10	0.30
21	10.50	1078.20	0.29
22	11.00	1080.60	0.22

USER INPUT BLANK VALUE
BLANK VALUE = 6.380849 micrograms carbon
BLANK FACTOR = 6.380849 / 11.00146 = +5.8E-01 ug/min Carbon

SAMPLE RESULTS:
(1080.6 - 6.380354)(1)/(1) = +1.0742E+03 g/L Carbon
(1080.6 - 6.380354)(1)/(1)(12) = +8.9518E+01 Molar Carbon

Sample Run By: Jacque Steele
JL STEELE 00000

$\frac{1074.2}{.1229g} = 8.740^{E3}$

1500

WHC-SD-WM-DP-179, REV. 1

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1149 DUP Date: 04/19/96 Time: 14:46:37

Sample Size = 1 uL .1229g
Dil Factor = 1
Blank ID # =
Blank Value = 2.54 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	3.40	0.00
2	1.01	18.50	81.62
3	1.50	101.30	81.74
4	2.00	227.90	55.55
5	2.50	330.30	31.00
6	3.00	376.10	12.18
7	3.50	395.40	4.88
8	4.00	403.00	1.89
9	4.50	407.30	1.06
10	5.00	410.80	0.85
11	5.50	413.60	0.68
12	6.00	416.10	0.60
13	6.50	418.20	0.50
14	7.00	420.20	0.48
15	7.50	422.00	0.43
16	8.00	423.50	0.35
17	8.50	425.40	0.45
18	9.00	426.80	0.33
19	9.50	428.10	0.30
20	10.00	429.40	0.30
21	10.50	430.70	0.30
22	11.00	431.80	0.25

USER INPUT BLANK VALUE
BLANK VALUE = 27.94372 micrograms carbon
BLANK FACTOR = 27.94372 / 11.00146 = +2.5E+00 ug/min Carbon

SAMPLE RESULTS:
(431.8 - 27.94372)(1)/(1) = +4.039E+02 g/L Carbon
(431.8 - 27.94372)(1)/(1)(12) = +3.365E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{403.9}{.1229g} = 3.286^{E3}$

1501

LABCORE Data Entry Template for Worklist# 6493

Analyst: JLS2 **Instrument:** CARB2 **Book #** 22N12A TIC 16N12E TOC

Method: LA-342-100 Rev/Mod D-0

Worklist Comment: S-102 @TICTOC1. RCJ

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				@TICTOC1 TIC-02	SOLID	1	.1	N/A	ug/g
		1	BLNK				@TICTOC1 TOC-02	SOLID	1	3.2	N/A	ug/g
		2	STD				@TICTOC1 TIC-02	SOLID	6.00^{E2}	5.71^{E2}	N/A	ug/g
		2	STD				@TICTOC1 TOC-02	SOLID	3.00^{E3}	2.77^{E3}	N/A	ug/g
96000094	S102	3	SAMPLE	S96T001150	0		@TICTOC1 TIC-02	SOLID	N/A	3.51^{E3}	5.00	ug/g
96000094	S102	3	SAMPLE	S96T001150	0		@TICTOC1 TOC-02	SOLID	N/A	2.64^{E3}	400	ug/g
96000094	S102	4	DUP	S96T001150	0		@TICTOC1 TIC-02	SOLID	3.51^{E3}	3.36^{E3}	N/A	ug/g
96000094	S102	4	DUP	S96T001150	0		@TICTOC1 TOC-02	SOLID	2.64^{E3}	2.55^{E3}	N/A	ug/g
96000094	S102	5	SPK	S96T001150	0		@TICTOC1 TIC-02	SOLID	100	99	N/A	ug/g
96000094	S102	5	SPK	S96T001150	0		@TICTOC1 TOC-02	SOLID	100	86	N/A	ug/g
96000094	S102	6	SAMPLE	S96T001151	0		@TICTOC1 TIC-02	SOLID	N/A	3.70^{E3}	5.00	ug/g
96000094	S102	6	SAMPLE	S96T001151	0		@TICTOC1 TOC-02	SOLID	N/A	2.76^{E3}	400	ug/g
96000094	S102	7	DUP	S96T001151	0		@TICTOC1 TIC-02	SOLID	3.70^{E3}	4.17^{E3}	N/A	ug/g
96000094	S102	7	DUP	S96T001151	0		@TICTOC1 TOC-02	SOLID	2.76^{E3}	3.10^{E3}	N/A	ug/g
96000094	S102	8	SAMPLE	S96T001401	0		@TICTOC1 TIC-02	SOLID	N/A	2.79^{E3}	5.00	ug/g
96000094	S102	8	SAMPLE	S96T001401	0		@TICTOC1 TOC-02	SOLID	N/A	1.33^{E3}	40.0	ug/g
96000094	S102	9	DUP	S96T001401	0		@TICTOC1 TIC-02	SOLID	2.79^{E3}	3.15^{E3}	N/A	ug/g
96000094	S102	9	DUP	S96T001401	0		@TICTOC1 TOC-02	SOLID	1.33^{E3}	1.36^{E3}	N/A	ug/g

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 6493

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
96000094	S102	10	SAMPLE	S96T001399	0		@TICTOC1 TIC-02	SOLID	N/A	2.73E3	5.00	ug/g
96000094	S102	10	SAMPLE	S96T001399	0		@TICTOC1 TOC-02	SOLID	N/A	1.39E3	40.0	ug/g
96000094	S102	11	DUP	S96T001399	0		@TICTOC1 TIC-02	SOLID	2.73E3	2.82E3	N/A	ug/g
96000094	S102	11	DUP	S96T001399	0		@TICTOC1 TOC-02	SOLID	1.39E3	1.33E3	N/A	ug/g

Final page for worklist # 6493

Jackie Steele 4/23/96
Analyst Signature **Date**

[illegible] 4/24/96
Analyst Signature **Date**

Reviewed RW Schroeder 4/26/96

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
<<< BLANK ANALYSIS >>>

Sample: BASELINE Date: 04/23/96 Time: 09:37:39

Sample Size = 1 uL
Dil Factor = 1
Blank ID # = BASELINE
Blank Value = N/A

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.70	0.00
2	1.01	2.30	69.57
3	1.51	3.40	32.35
4	2.01	3.90	12.82
5	2.51	4.40	11.36
6	3.00	4.70	6.38
7	3.50	5.10	7.84
8	4.00	5.40	5.56
9	4.50	5.70	5.26
10	5.00	6.00	5.00
11	5.50	6.20	3.23
12	6.00	6.50	4.62
13	6.50	6.80	4.41
14	7.00	7.00	2.86
15	7.50	7.30	4.11
16	8.00	7.70	5.19
17	8.50	7.80	1.28
18	9.00	8.10	3.70
19	9.50	8.40	3.57
20	10.00	8.60	2.33
21	10.50	8.90	3.37
22	11.00	9.20	3.26

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 1504 TO 1527

BLANK VALUE = 9.2 micrograms carbon
BLANK FACTOR = 9.2 / 11.00055 = +8.4E-01 ug/min Carbon

Sample Run By: Jacque Steele 4/23/96
JL STEELE 00000

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
<<< BLANK ANALYSIS >>>

Sample: BASELINE Date: 04/23/96 Time: 09:49:29

Sample Size = 1 uL
Dil Factor = 1
Blank ID # = BASELINE
Blank Value = N/A

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.30	0.00
2	1.01	1.20	75.00
3	1.51	2.40	50.00
4	2.00	5.30	54.72
5	2.50	8.70	39.08
6	3.00	11.70	25.64
7	3.50	13.50	13.33
8	4.00	14.90	9.40
9	4.50	15.80	5.70
10	5.00	16.70	5.39
11	5.50	17.20	2.91
12	6.00	17.50	1.71
13	6.50	17.90	2.23
14	7.00	18.40	2.72
15	7.50	18.70	1.60
16	8.00	19.00	1.58
17	8.50	19.40	2.06
18	9.00	19.80	2.02
19	9.50	20.00	1.00
20	10.00	20.30	1.48
21	10.50	20.60	1.46
22	11.00	21.00	1.90

BLANK VALUE = 21 micrograms carbon
BLANK FACTOR = 21 / 10.99786 = +1.91E+00 ug/min Carbon

<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 22N12A Date: 04/23/96 Time: 10:02:23

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .84 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	68.60	99.71
3	1.51	209.90	67.32
4	2.00	350.80	40.17
5	2.50	452.60	22.49
6	3.00	515.60	12.22
7	3.50	548.30	5.96
8	4.00	564.10	2.80
9	4.50	571.20	1.24
10	5.00	574.30	0.54
11	5.50	575.90	0.28
12	6.00	576.70	0.14
13	6.50	577.30	0.10
14	7.00	577.80	0.09
15	7.50	578.30	0.09
16	8.00	578.70	0.07
17	8.50	579.00	0.05
18	9.00	579.30	0.05
19	9.50	579.70	0.07
20	10.00	579.90	0.03
21	10.50	580.20	0.05
22	11.00	580.50	0.05

USER INPUT BLANK VALUE
BLANK VALUE = 9.238205 micrograms carbon
BLANK FACTOR = 9.238205 / 10.99786 = +8.4E-01 ug/min Carbon

SAMPLE RESULTS:
(580.5 - 9.240563)(1)/(1) = +5.713E+02 g/L Carbon
(580.5 - 9.240563)(1)/(1)(12) = +4.760E+01 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

$\frac{571.3}{602} = 94.9\%$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 16N12E Date: 04/23/96 Time: 10:14:40

Sample Size = 1 uL .200ml
Dil Factor = 1
Blank ID # =
Blank Value = 1.91 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.00	0.00
2	1.01	16.40	100.00
3	1.51	131.30	87.51
4	2.00	335.40	60.85
5	2.50	486.70	31.09
6	3.00	543.80	10.50
7	3.50	561.40	3.14
8	4.00	566.30	0.87
9	4.50	568.20	0.33
10	5.00	569.20	0.18
11	5.50	569.80	0.11
12	6.00	570.40	0.11
13	6.50	571.10	0.12
14	7.00	571.60	0.09
15	7.50	572.10	0.09
16	8.00	572.50	0.07
17	8.50	572.90	0.07
18	9.00	573.30	0.07
19	9.50	573.80	0.09
20	10.00	574.10	0.05
21	10.50	574.50	0.07
22	11.00	574.80	0.05

USER INPUT BLANK VALUE
BLANK VALUE = 21.00592 micrograms carbon
BLANK FACTOR = 21.00592 / 10.99786 = +1.9E+00 ug/min Carbon

SAMPLE RESULTS:
(574.8 - 21.00778)(1)/(1) = +5.538E+02 g/L Carbon
(574.8 - 21.00778)(1)/(1)(12) = +4.615E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

553.8 / .200ml = 2769 / 3000 = 92.3%

1507

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 04/23/96 Time: 10:28:47

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .84 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.30	0.00
2	1.01	1.50	80.00
3	1.50	2.70	44.44
4	2.00	3.20	15.63
5	2.50	3.70	13.51
6	3.00	4.20	11.90
7	3.50	4.40	4.55
8	4.00	4.70	6.38
9	4.50	5.00	6.00
10	5.00	5.40	7.41
11	5.50	5.70	5.26
12	6.00	6.10	6.56
13	6.50	6.40	4.69
14	7.00	6.80	5.88
15	7.50	7.10	4.23
16	8.00	7.40	4.05
17	8.50	7.70	3.90
18	9.00	8.00	3.75
19	9.50	8.30	3.61
20	10.00	8.50	2.35
21	10.50	8.80	3.41
22	11.00	9.10	3.30

USER INPUT BLANK VALUE
BLANK VALUE = 9.238205 micrograms carbon
BLANK FACTOR = 9.238205 / 10.99786 = +8.4E-01 ug/min Carbon

SAMPLE RESULTS:
(9.1 - 9.242102)(1)/(1) = < 5.00 E-3 g/L Carbon
(9.1 - 9.242102)(1)/(1)(12) = < 4.17 E-4 Molar Carbon

Sample Run By: Jackie Steele
JL STEELE 00000

/9.10-9.20/ = -.1

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 04/23/96 Time: 10:41:04

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.91 ug/minute C

Analyst : JL STEELE
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.00	0.00
2	1.01	0.60	100.00
3	1.51	3.20	81.25
4	2.00	8.10	60.49
5	2.50	10.70	24.30
6	3.00	12.30	13.01
7	3.50	12.80	3.91
8	4.00	13.40	4.48
9	4.50	13.80	2.90
10	5.00	14.20	2.82
11	5.50	14.50	2.07
12	6.00	14.90	2.68
13	6.50	15.20	1.97
14	7.00	15.50	1.94
15	7.50	15.80	1.90
16	8.00	16.20	2.47
17	8.50	16.40	1.22
18	9.00	16.60	1.20
19	9.50	16.90	1.78
20	10.00	17.20	1.74
21	10.50	17.50	1.71
22	11.00	17.80	1.69

USER INPUT BLANK VALUE
BLANK VALUE = 21.00592 micrograms carbon
BLANK FACTOR = 21.00592 / 10.99786 = +1.9E+00 ug/min Carbon

SAMPLE RESULTS:
(17.8 - 21.01326)(1)/(1) = < 5.00 E-3 g/L Carbon
(17.8 - 21.01326)(1)/(1)(12) = < 4.17 E-4 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele
JL STEELE 00000

|17.80 - 21.00| = 3.2