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

Document number: SD-WM-DP-184

Section 2 **of** 4

Title: Final Report for Tank 241U107 & Push Mode Cores 129 & 134 & 135

Date: 07/26/1996 **Revision:** R001

Originator: Jaiduk J
Co: WHC

Recipient:
Co:

References: ECN-633311

LABCORE Completed Worklist Report for Worklist# 9629

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit

Final page for worklist# 9629

Analyst Signature Date

Analyst Signature Date

Janice M. Fuge 6/11/96
Reviewer Signature Date

Validated 6/11/96 JMFuge

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

A-0010-IC DATA FILE/WORKLIST RESOLUTION 11-Jun-96

Worklist#: 9629

		Seq	Type	Sample #
-	=>	1	CCB	
	=>	2	CCV	
	=>	3	SAMPLE	S96T001119
	=>	4	DUP	S96T001119
	=>	5	SPK	S96T001119
+				

Data File: 9629JN2.CSV

	Seq#	Data File	Sample Name	Dilution
-	2	96060531.d07	CCV 136N9-A	101.00
	1	96060531.d08	CCB	1.00
		96060541.d10	S96T001119 SAMPL	40501.00
	5	96060541.d15	S96T001119 SPIKE	5151.00
		96060531.d11	S96T001119 DUP	20301.00
		96060541.d12	S96T001119 SPIKE	40501.00
		kq060531.d11	S96T001119 DUP	40501.00
		kq060531.d12	S96T001119 SPIKE	20301.00
	3	kq060541.d13	S96T001119SAMPLE	5151.00
	4	kq060541.d14	S96T001119 DUP	5151.00
+				

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 06/10/1996 09:04:19

Sample Name: CCV 136N9-A	Date: 06/05/1996 23:26:54
Data File : C:\DX\DATA\96060531.d07	
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 7	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

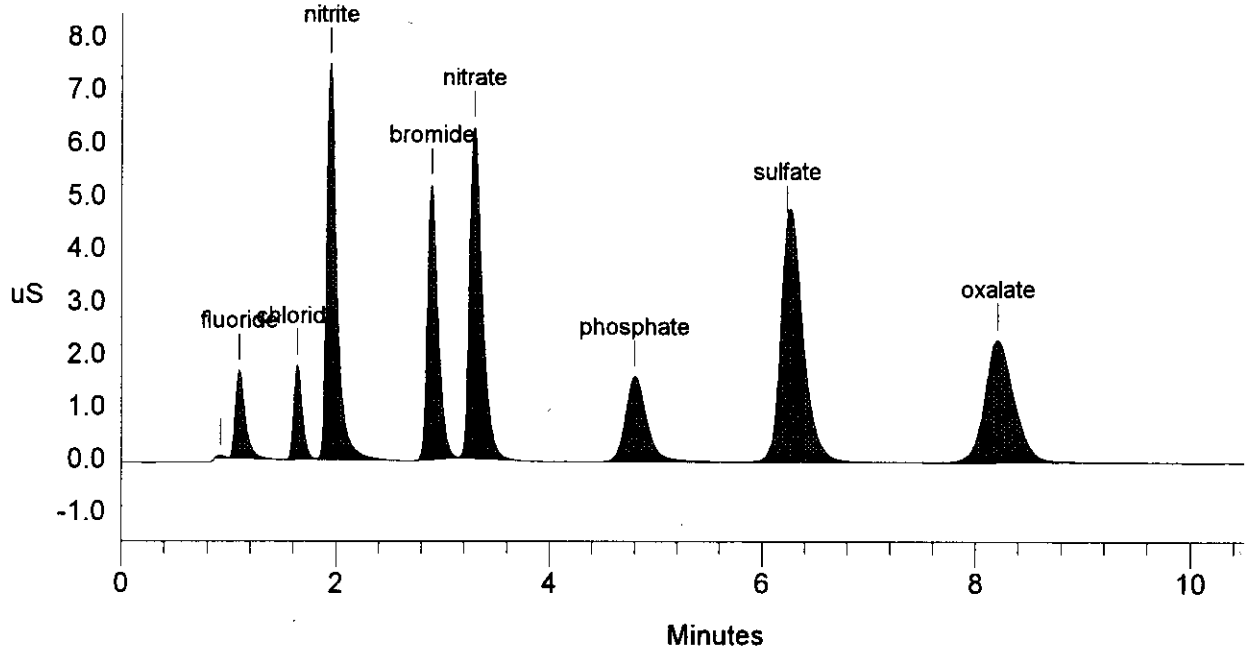
H Anastos for krg 6-17-96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.92		0.000	57	265	2	
2	1.10	fluoride	59.354	1688	10631	2	2.80
3	1.64	chloride	73.110	1797	9745	1	-0.81
4	1.95	nitrite	532.767	7492	49510	1	-3.31
5	2.89	bromide	572.287	5204	35719	1	-2.25
6	3.29	nitrate	622.708	6262	51012	1	-0.60
7	4.80	phosphate	552.919	1620	22569	1	-2.70
8	6.24	sulfate	641.332	4546	68637	1	-4.10
9	8.21	oxalate	530.990	2340	44463	1	-3.75
		Totals	3585.467	31005	292550		

File: 96060531.d07 Sample: CCV 136N9-A



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 462 TO 471

Data Reprocessed On 06/10/1996 09:04:21

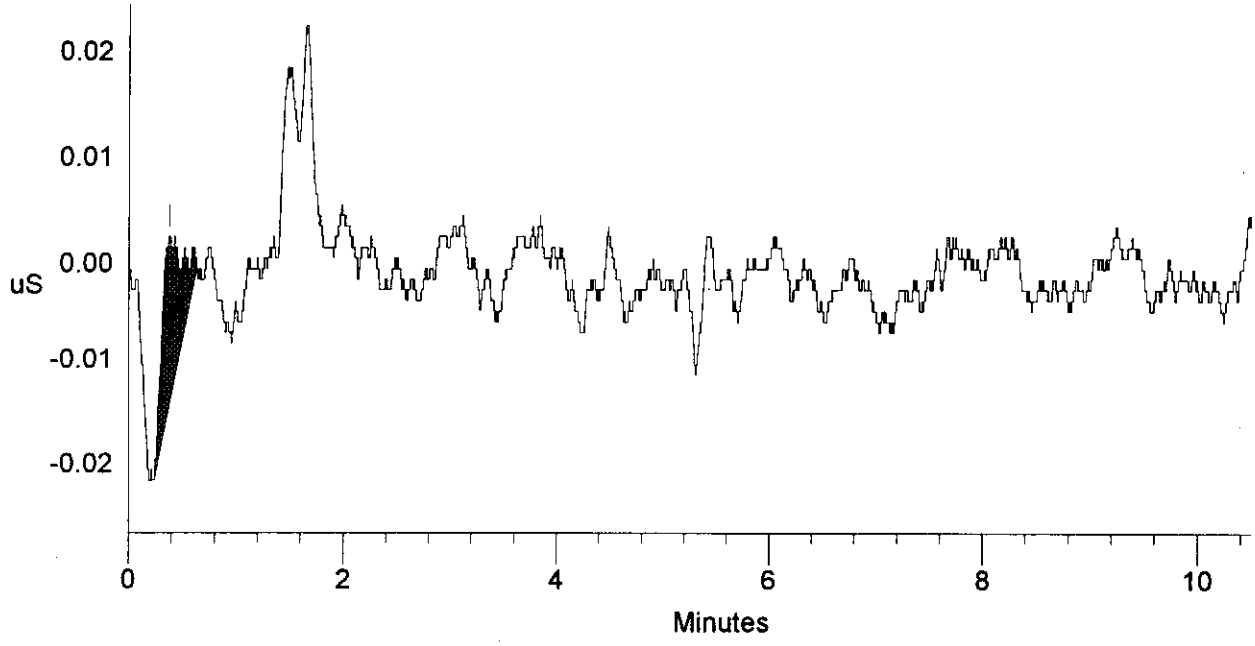
Sample Name: CCB	Date: 06/05/1996 23:40:07
Data File : C:\DX\DATA\96060531.d08	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 8	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.38		0.000	16	197	1	
		Totals	0.000	16	197		

File: 96060531.d08 Sample: CCB



Data Reprocessed On 06/10/1996 09:04:24

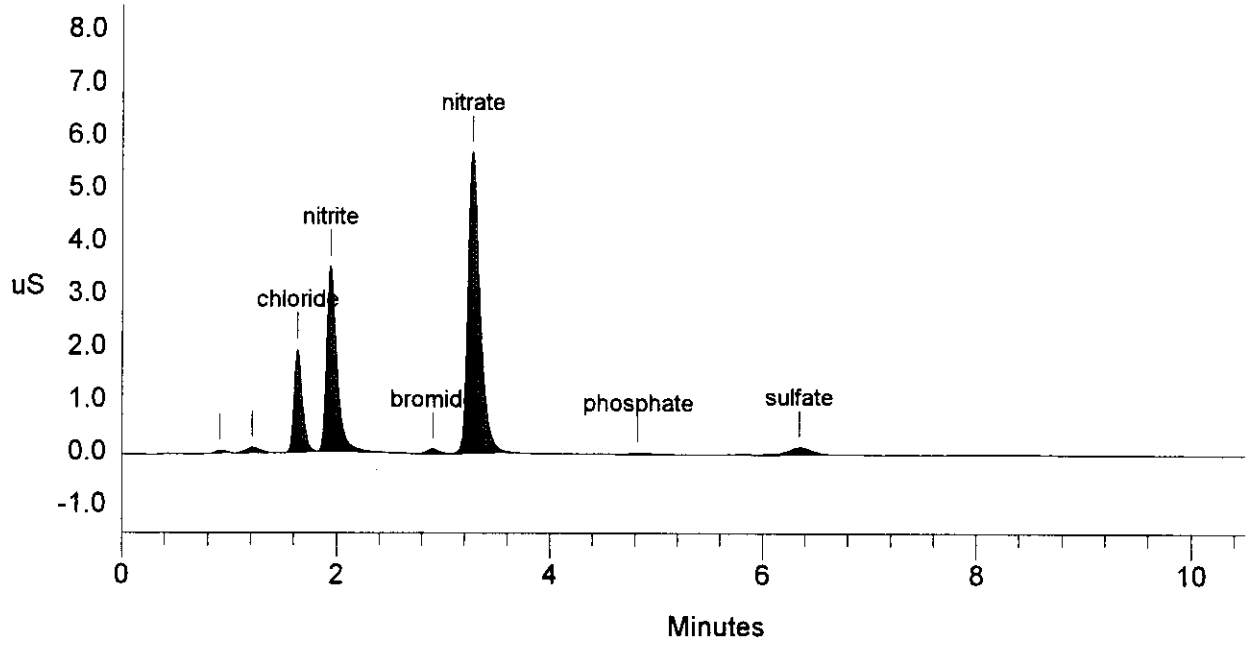
Sample Name: S96T001119 SAMPLE	Date: 06/06/1996 02:59:01
Data File : C:\DX\DATA\96060541.d10	
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 10	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	40501	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	56	340	1	
2	1.21		0.000	115	988	1	
3	1.63	chloride	31536.509	1950	10493	1	-1.21
4	1.94	nitrite	104645.932	3510	23644	1	-3.64
5	2.90	bromide	7644.785	89	603	1	-2.03
6	3.27	nitrate	220715.637	5694	44881	1	-1.41
7	4.83	phosphate	5934.878	25	476	1	-2.16
8	6.35	sulfate	10272.602	138	2058	1	-2.46
		Totals	380750.343	11576	83482		

File: 96060541.d10 Sample: S96T001119 SAMPLE



Data Reprocessed On 06/10/1996 09:04:26

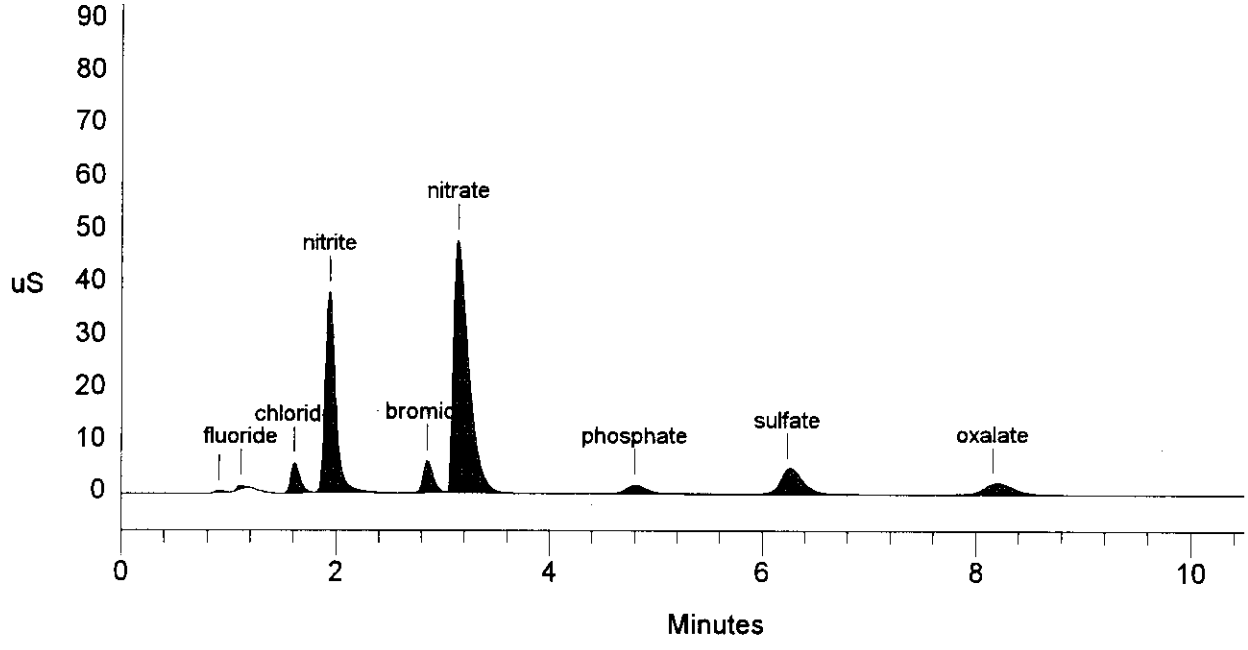
Sample Name: S96T001119 SPIKE	Date: 06/06/1996 04:05:02
Data File : C:\DX\DATA\96060541.d15	WHC-SD-WM-DP-184, REV.
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 15	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	5151	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	322	1670	1	
2	1.11	fluoride	889.947	734	2864	1	4.05
3	1.61	chloride	12432.179	5801	33557	1	-2.42
4	1.94	nitrite	134592.886	38167	261342	1	-3.64
5	2.85	bromide	31284.823	6106	38384	1	-3.60
6	3.14	nitrate	250427.063	47884	467987	1	-5.23
7	4.80	phosphate	28776.752	1656	23043	1	-2.70
8	6.24	sulfate	34144.454	4726	71744	1	-4.10
9	8.16	oxalate	25829.271	2057	42371	1	-4.37
		Totals	518377.374	107452	942961		

File: 96060541.d15 Sample: S96T001119 SPIKE



Data Reprocessed On 06/10/1996 09:04:29

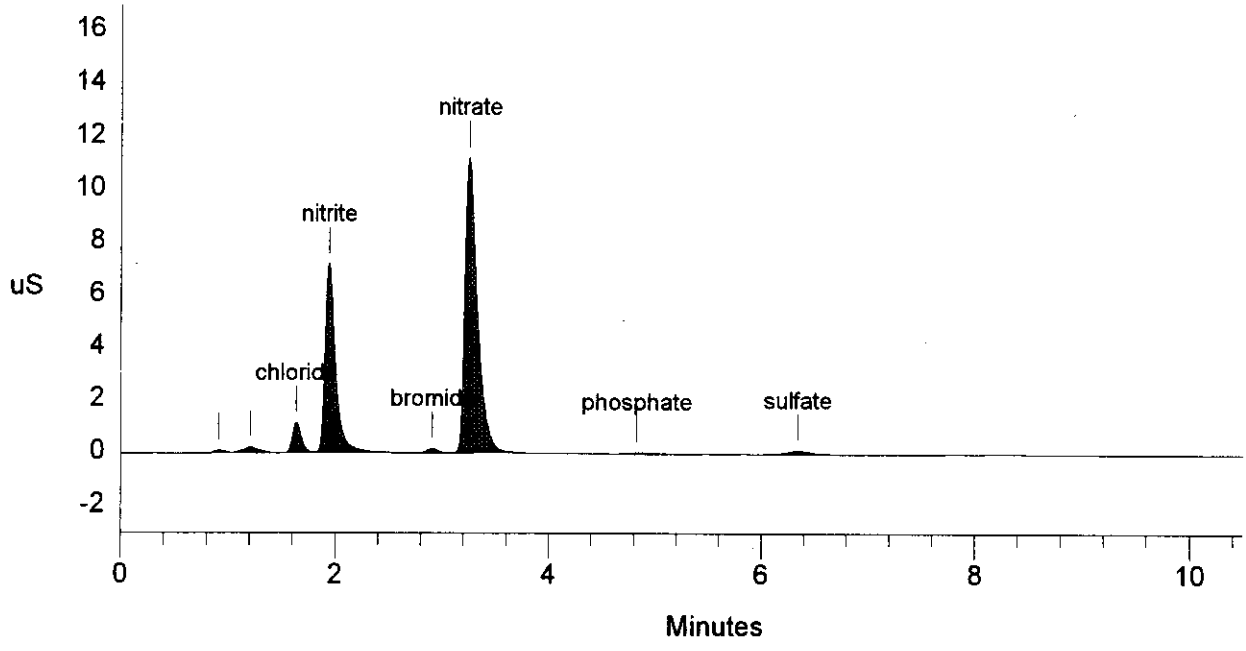
Sample Name: S96T001119 DUP	Date: 06/06/1996 00:19:46
Data File : C:\DX\DATA\96060531.d11	
Method : C:\DX\METHOD\AUTOMEL.met	WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 11	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	20301	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	92	571	2	
2	1.21		0.000	219	2104	2	
3	1.63	chloride	9850.028	1141	6503	1	-1.21
4	1.94	nitrite	105208.801	7161	48616	1	-3.64
5	2.91	bromide	5788.819	177	1210	1	-1.80
6	3.25	nitrate	218882.384	11209	91119	1	-1.81
7	4.83	phosphate	4364.999	45	754	1	-2.16
8	6.35	sulfate	4602.996	123	1769	1	-2.46
		Totals	348698.028	20168	152646		

File: 96060531.d11 Sample: S96T001119 DUP



Data Reprocessed On 06/10/1996 09:04:32

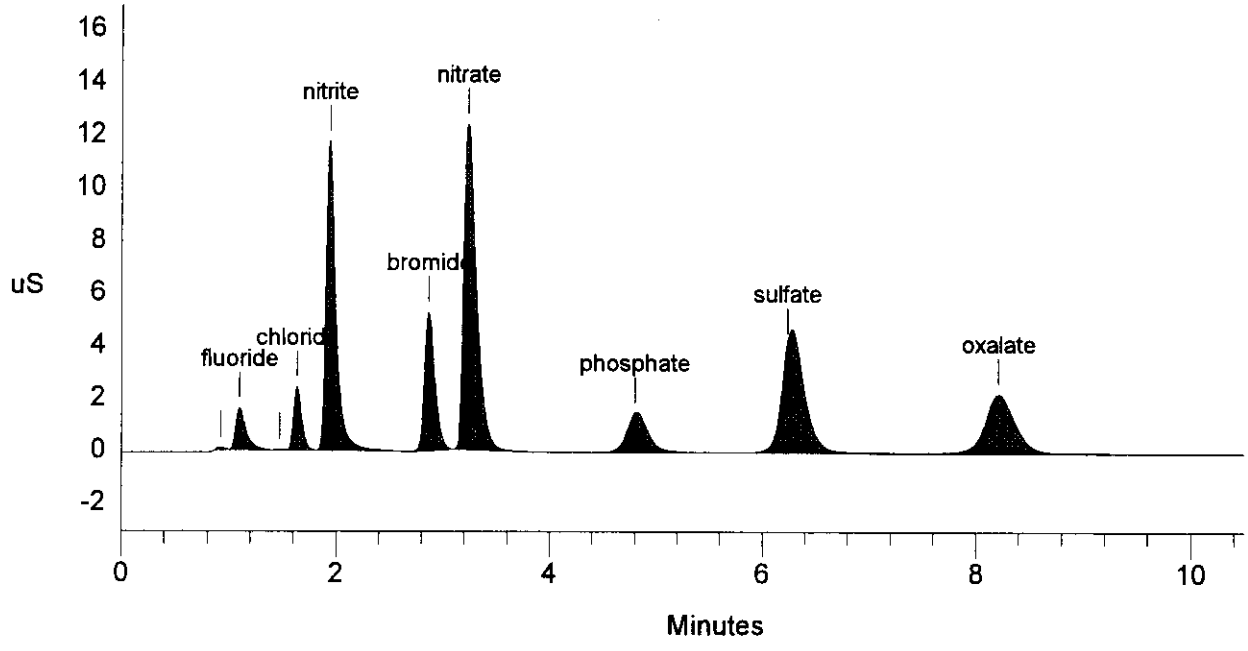
Sample Name: S96T001119 SPIKE Date: 06/06/1996 03:25:25
Data File : C:\DX\DATA\96060541.d12 WHC-SD-WM-DP-184, REV.
Method : C:\DX\METHOD\AUTOMEL.met
ACI Address: 1 System: 1 Inject#: 12 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	40501	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.92		0.000	102	527	2	
2	1.10	fluoride	24152.239	1606	10795	2	2.80
4	1.63	chloride	37607.605	2411	12547	1	-1.21
5	1.94	nitrite	318641.334	11728	74719	1	-3.64
6	2.87	bromide	225193.484	5275	35027	1	-3.15
7	3.23	nitrate	481422.118	12361	100866	1	-2.41
8	4.80	phosphate	208155.358	1501	21155	1	-2.70
9	6.24	sulfate	251012.103	4132	66945	1	-4.10
10	8.21	oxalate	204608.289	2238	42694	1	-3.75
		Totals	1750792.530	41355	365277		

File: 96060541.d12 Sample: S96T001119 SPIKE



Data Reprocessed On 06/10/1996 09:04:34

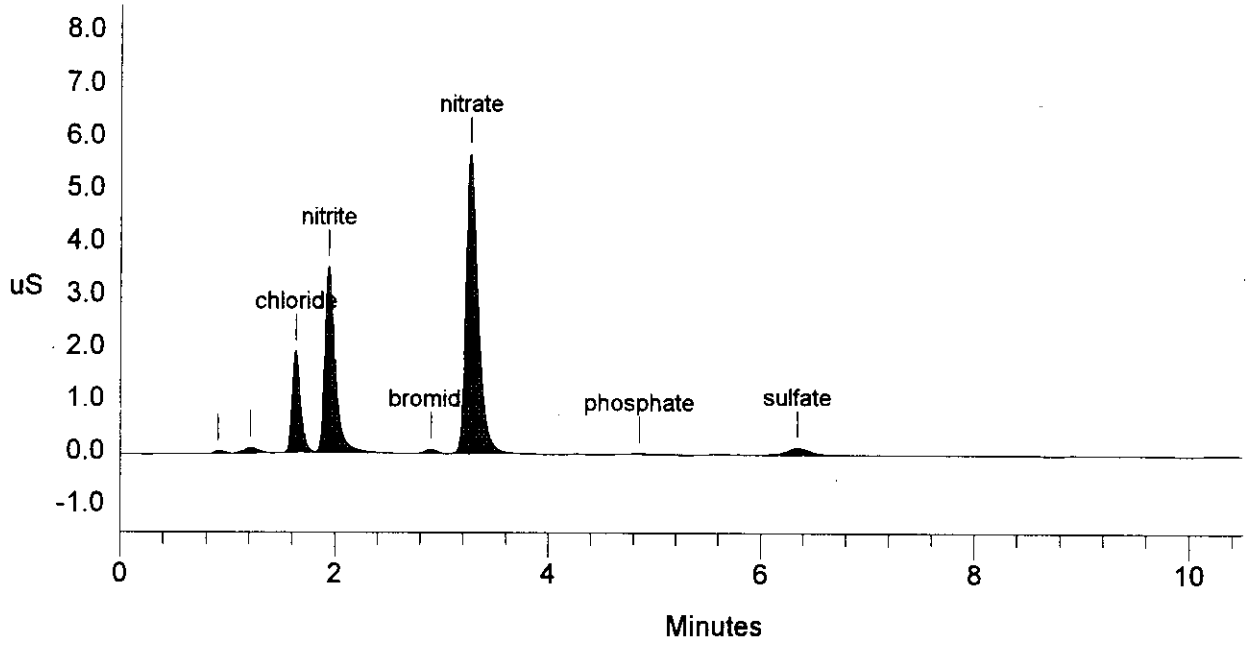
Sample Name: S96T001119 DUP	Date: 06/06/1996 03:12:13
Data File : C:\DX\DATA\kq060531.d11	WHC-SD-WM-DP-184, REV.
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 11	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	40501	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	55	361	1	
2	1.21		0.000	116	1016	1	
3	1.63	chloride	30997.687	1934	10311	1	-1.21
4	1.94	nitrite	104546.327	3513	23620	1	-3.64
5	2.90	bromide	7633.204	86	601	1	-2.03
6	3.27	nitrate	219869.627	5687	44702	1	-1.41
7	4.85	phosphate	5914.985	22	474	1	-1.62
8	6.35	sulfate	10795.384	137	2196	1	-2.46
		Totals	379757.214	11550	83281		

File: kq060531.d11 Sample: S96T001119 DUP



Data Reprocessed On 06/10/1996 09:04:37

Sample Name: S96T001119 SPIKE Date: 06/06/1996 02:08:45
Data File : C:\DX\DATA\kq060531.d12
Method : C:\DX\METHOD\AUTOMEL.met
ACI Address: 1 System: 1 Inject#: 12 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

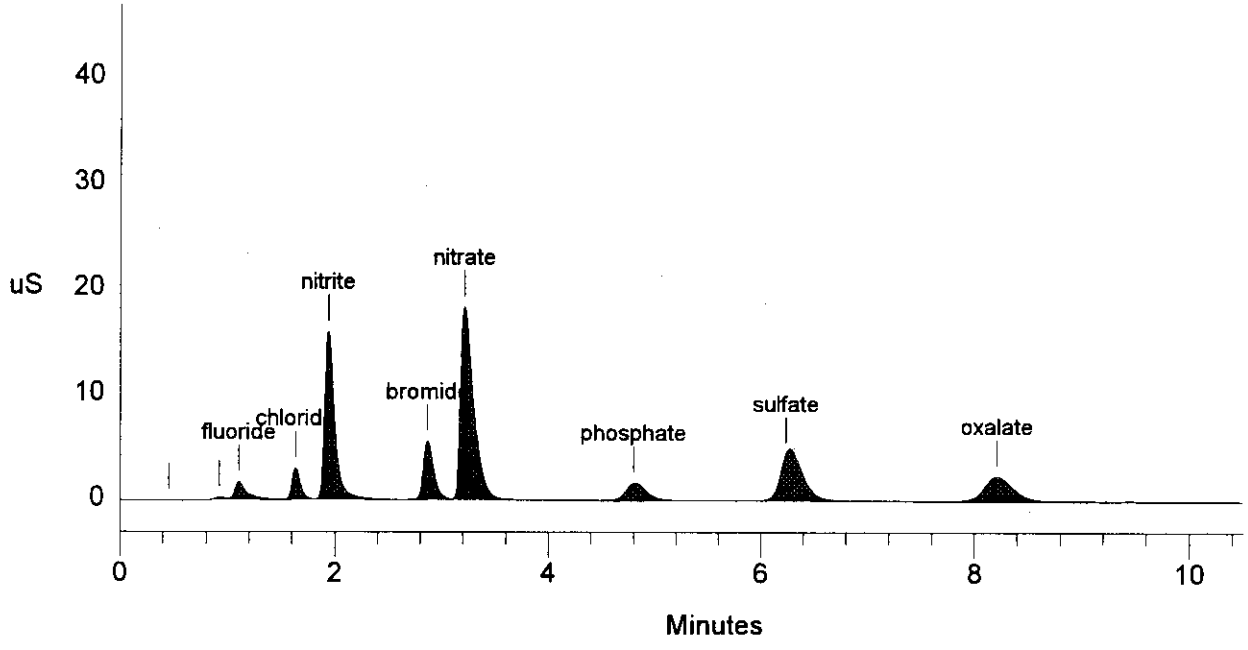
WHC-SD-WM-DP-184, REV.

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	20301	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.45		0.000	21	203	1	
2	0.92		0.000	136	737	2	
3	1.11	fluoride	13544.336	1647	12145	2	3.43
4	1.63	chloride	23792.291	2973	15908	1	-1.21
5	1.94	nitrite	218046.915	15956	103004	1	-3.64
6	2.87	bromide	115995.634	5521	36030	1	-3.15
7	3.21	nitrate	360940.216	18224	153892	1	-3.02
8	4.80	phosphate	111341.868	1621	22611	1	-2.70
9	6.24	sulfate	129995.311	4448	69234	1	-4.10
10	8.21	oxalate	104345.123	2328	43452	1	-3.75
		Totals	1078001.694	52874	457216		

File: kq060531.d12 Sample: S96T001119 SPIKE



Data Reprocessed On 06/10/1996 09:04:39

Sample Name: S96T001119SAMPLE Date: 06/06/1996 03:38:37
Data File : C:\DX\DATA\kq060541.d13
Method : C:\DX\METHOD\AUTOMEL.met
ACI Address: 1 System: 1 Inject#: 13 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

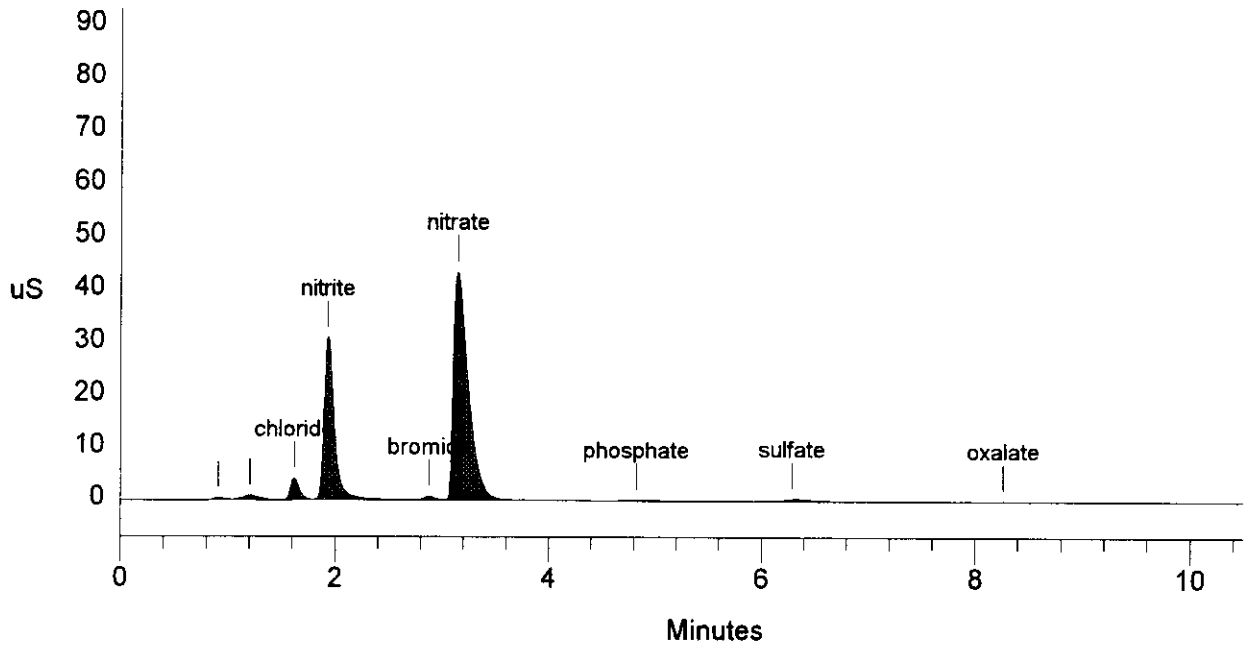
WHC-SD-WM-DP-184, REV.

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	5151	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	329	2221	2	
2	1.21		0.000	894	9306	2	
3	1.62	chloride	8809.144	4158	23452	1	-2.02
4	1.93	nitrite	106306.917	30736	203432	1	-3.97
5	2.88	bromide	4057.301	688	4380	1	-2.70
6	3.15	nitrate	226712.600	43327	416215	1	-5.03
7	4.83	phosphate	2897.782	148	2172	1	-2.16
8	6.29	sulfate	3280.876	348	6172	1	-3.28
9	8.27	oxalate	480.744	17	343	1	-3.13
		Totals	352545.365	80644	667692		

File: kq060541.d13 Sample: S96T001119SAMPLE



Data Reprocessed On 06/10/1996 09:04:42

Sample Name: S96T001119 DUP	Date: 06/06/1996 03:51:50
Data File : C:\DX\DATA\kq060541.d14	
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 14	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

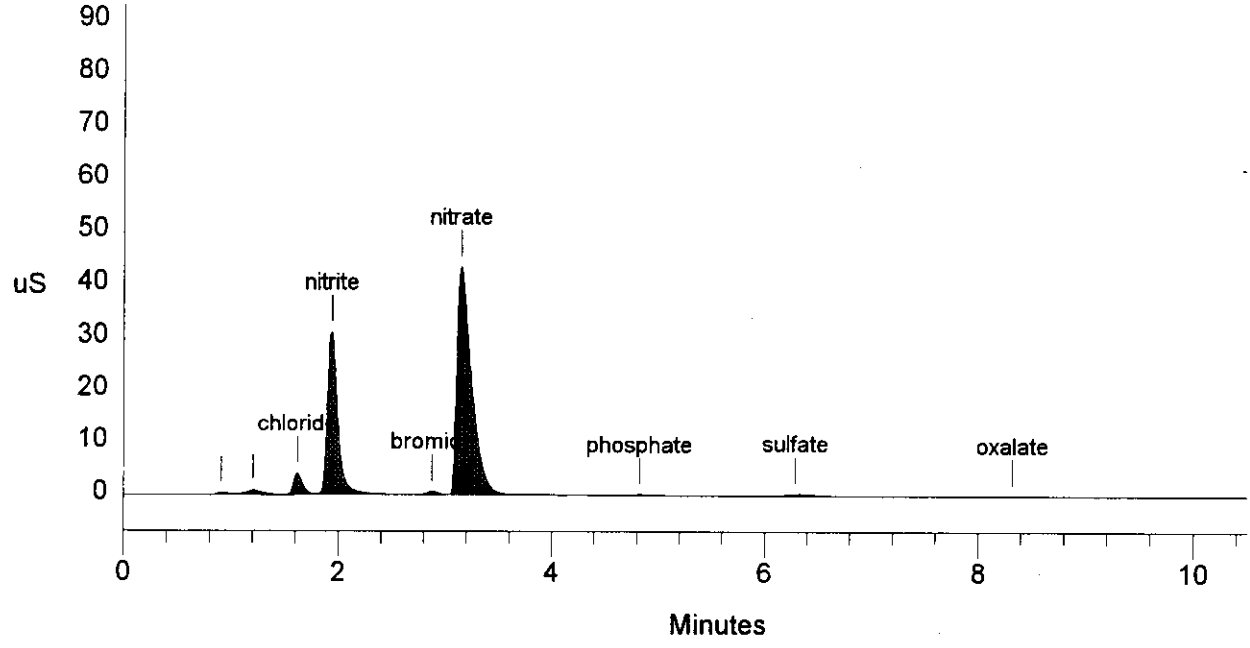
WHC-SD-WM-DP-184, REV.1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	5151	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	326	2111	2	
2	1.21		0.000	892	9079	2	
3	1.62	chloride	8940.875	4149	23814	1	-2.02
4	1.94	nitrite	109257.973	30844	209397	1	-3.64
5	2.88	bromide	4078.329	682	4406	1	-2.70
6	3.15	nitrate	224651.399	43182	411813	1	-5.03
7	4.83	phosphate	3079.290	149	2316	1	-2.16
8	6.29	sulfate	3168.176	347	5937	1	-3.28
9	8.32	oxalate	496.552	16	369	1	-2.50
		Totals	353672.593	80586	669242		

File: kq060541.d14 Sample: S96T001119 DUP



RUSH

06/10/96 14:43
A-0004-1

LABCORE Data Entry Template for Worklist# 9817

Analyst: EAL **Instrument:** IC00 _____ **Book#** 136819-D

Method: LA-533-105 **Rev/Mod** D-1

Worklist Comment: Rerun u107 NO3, use 10201 df. Rush JMF

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	SAMPLE	S96T002140	0		@IC-01	LIQUID	96000422	U-107
		Analytes Requested: NO3-02						
4	DUP	S96T002140	0		@IC-01	LIQUID		
5	SPK	S96T002140	0		@IC-01	LIQUID		
6	SAMPLE	S96T002141	0		@IC-01	LIQUID	96000422	U-107
		Analytes Requested: NO3-02						
7	DUP	S96T002141	0		@IC-01	LIQUID		

Final page for worklist # 9817

A Lambel 06.14.96
Analyst Signature **Date**

Analyst Signature **Date**

uploaded 6/17/96
Validated 6/17/96

Data Entry Comments:

13

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

472

LABCORE Completed Worklist Report for Worklist# 9817

Analyst: eal **Instrument:** IC01 **Book#** 136N9-D

Method: IA-533-D5 Rev/Mod D-1

Worklist Comment: Rerun u107 NO3, use 10201 df. Rush JMF

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	1.51e-01	0.151	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	4.51e-01	0.451	ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01	5.92e+01	100.339	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01	7.69e+01	97.342	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.37e02	5.24e+02	97.579	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02	5.76e+02	100.174	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02	6.06e+02	98.697	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02	5.27e+02	96.520	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02	6.41e+02	101.585	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.04e02	5.24e+02	103.968	% Recovery
3	SAMPLE	S96T002140		0	@IC-01	NO3-02	LIQUID	N/A	4.651e+05	1428.000	ug/mL
4	DUP	S96T002140		0	@IC-01	NO3-02	LIQUID	4.65e+05	4.64e+05	0.215	RPD
5	SPK	S96T002140		0	@IC-01	NO3-02	LIQUID	6.14e02	7.07e+02	115.147	% Recovery
6	SAMPLE	S96T002141		0	@IC-01	NO3-02	LIQUID	N/A	2.367e+05	1428.000	ug/mL
7	DUP	S96T002141		0	@IC-01	NO3-02	LIQUID	2.37e+05	2.37e+05	0.000	RPD

Comments Section:

Comments for sample# S96T002140 **and test** @IC-01 .
NO3 over curve must be rerun. jmf

Comments for sample# S96T002141 **and test** @IC-01 .
NO3 over curve must be rerun. jmf

Final page for worklist# 9817

Analyst Signature **Date** **Analyst Signature** **Date**

Noel Smith 6/17/96
Reviewer Signature **Date**

Validated 6/17/96

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

LABCORE Completed Worklist Report for Worklist# 9817

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit

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

A-0010-IC DATA FILE/WORKLIST RESOLUTION 17-Jun-96

Worklist#: 9817

		Seq	Type	Sample #
-	=>	1	CCB	
	=>	2	CCV	
	=>	3	SAMPLE	S96T002140
	=>	4	DUP	S96T002140
	=>	5	SPK	S96T002140
	=>	6	SAMPLE	S96T002141
	=>	7	DUP	S96T002141
+				

Data File: 9817JUN.CSV

	Seq#	Data File	Sample Name	Dilution
-	1	96061401.d13	INST. BLANK	1.00
	2	96061401.d14	136N9-D STD.	101.00
	3	96061401.d15	S96T002140	10201.00
	4	96061401.d16	S96T002140 DUP	10201.00
	5	96061401.d17	S96T002140 SPIKE	10201.00
	6	96061401.d18	S96T002141	10201.00
	7	96061401.d19	S96T002141 DUP	10201.00
+				

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Sample Name: INST. BLANK Date: 06/14/1996 03:56:34
Data File : C:\DX\DATA\96061401.D13
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 13 Detector:CDM-1
Analyst : A. Lambel Column: AG4A/AS4A anion column

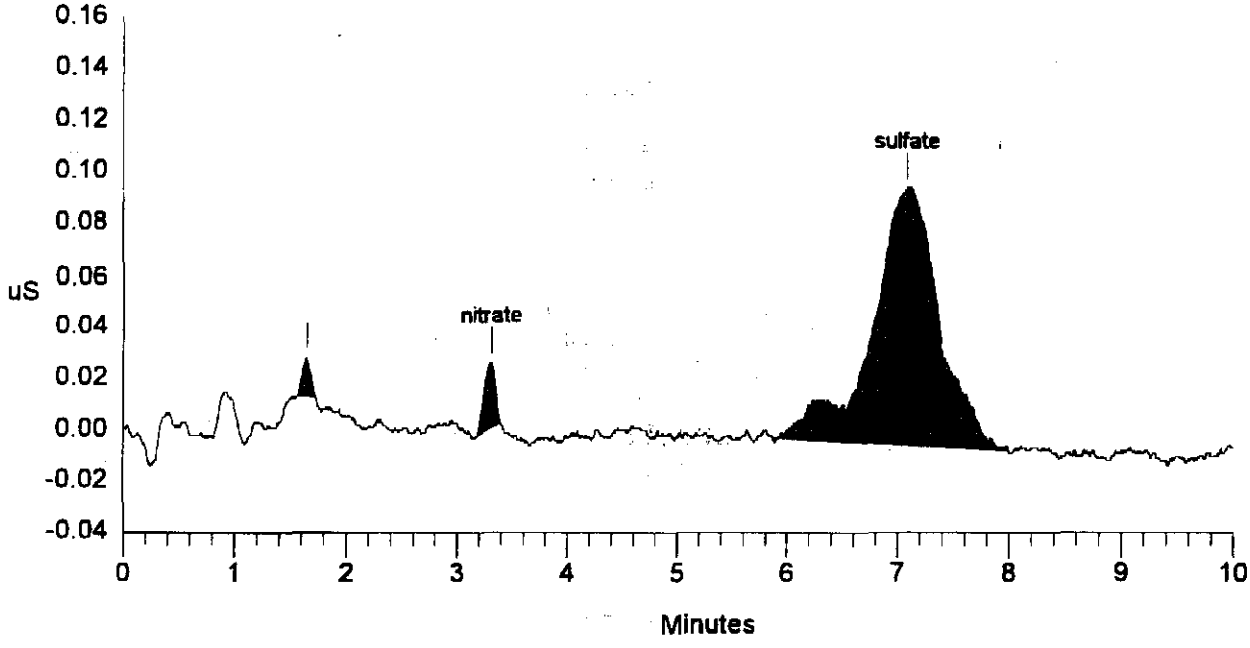
6/14/96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3000	5Hz	0.00	10.00		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	3.31	nitrate	0.151	25	173	1	0.00
3	7.09	sulfate	0.451	99	4178	1	9.02
		Totals	0.602	124	4352		

File: 96061401.D13 Sample: INST. BLANK



Jun. 17. 1996 12:54PM WHC 222S LAB ROOM 2F BACKSIDE No. 2078 P. 2/9

Data Reprocessed On 06/17/1996 12:32:55

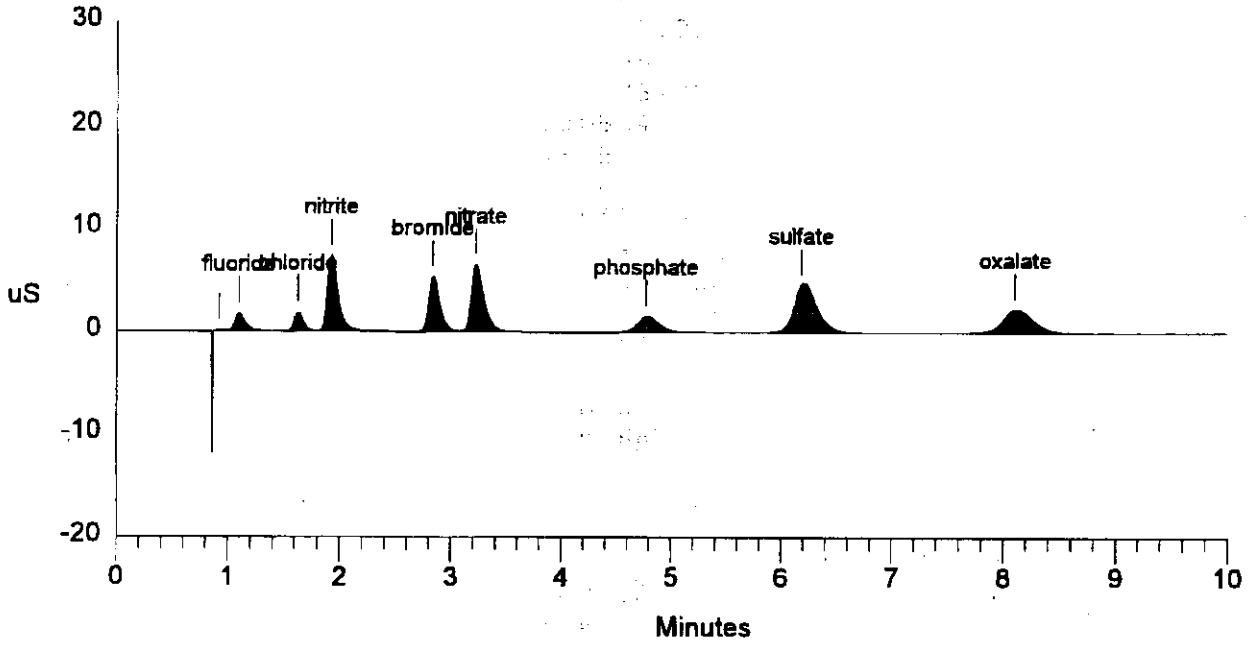
Sample Name: 136N9-D STD. Date: 06/14/1996 04:20:07
Data File : C:\DX\DATA\96061401.D14
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 14 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.92		0.000	66	308	2	
2	1.10	fluoride	59.239	1700	10609	2	3.13
3	1.63	chloride	76.900	1863	10257	1	-1.61
4	1.93	nitrite	524.303	7391	48699	1	-4.30
5	2.84	bromide	576.025	5341	35961	1	0.00
6	3.23	nitrate	606.352	6437	49623	1	-2.62
7	4.77	phosphate	526.514	1531	21465	1	-3.24
8	6.19	sulfate	641.073	4604	68609	1	-4.92
9	8.11	oxalate	523.792	2296	43849	1	-5.00
		Totals	3534.197	31230	289381		

File: 96061401.D14 Sample: 136N9-D STD.



Jun. 17. 1996 12:54PM WHC 222S LAB ROOM 2F BACKSIDE No. 2078 P. 3/9

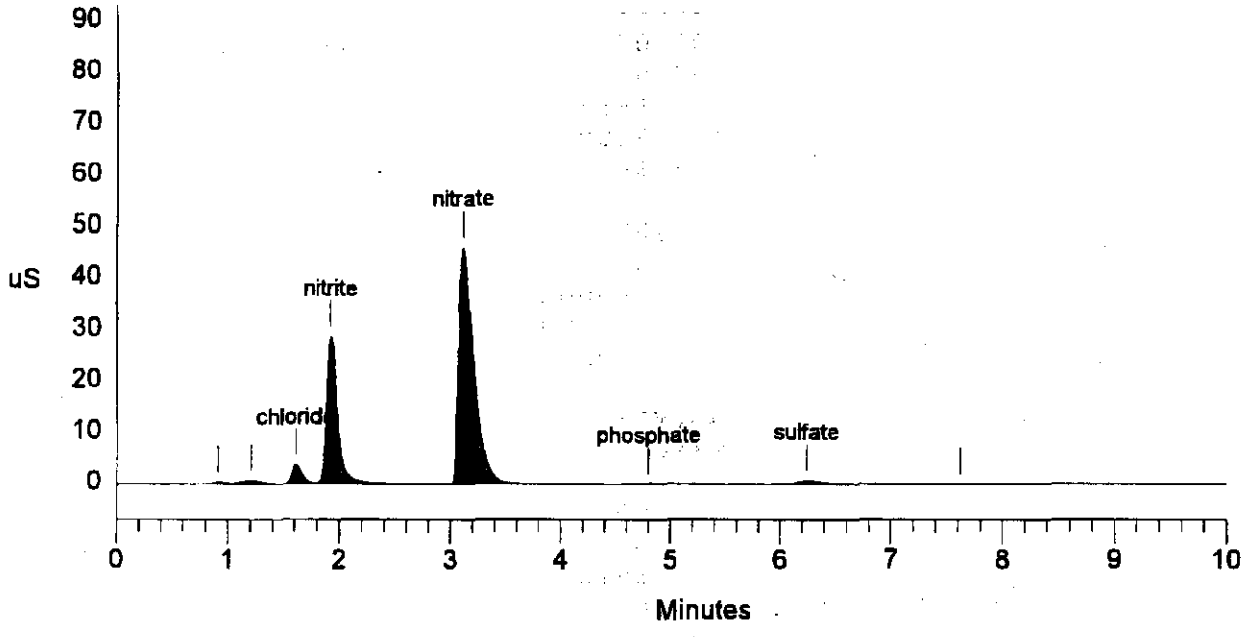
```
==============================================================================
| Sample Name: S96T002140                        Date: 06/14/1996 04:31:11    |
| Data File  : C:\DX\DATA\96061401.D15                                        |
| Method     : C:\DX\METHOD\KIT.MET                                           |
| ACI Address: 1  System: 1  Inject#: 15                  Detector:CDM-1      |
| Analyst    :                 Column: AG4A/AS4A anion column                 |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	10201	3000	5Hz	0.00	10.00		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	340	2284	2	
2	1.21		0.000	769	8485	2	
3	1.61	chloride	16186.714	3697	21708	1	-2.82
4	1.92	nitrite	199228.882	28552	191947	1	-4.64
5	3.11	nitrate	465081.603	46018	433727	1	-6.04
6	4.80	phosphate	5232.763	141	1970	1	-2.70
7	6.24	sulfate	10690.699	690	10595	1	-4.10
8	7.63		0.000	26	381	1	
		Totals	696420.660	80235	671097		

File: 96061401.D15 Sample: S96T002140



Jun. 17. 1996 12:55PM WHC 222S LAB ROOM 2F BACKSIDE No. 2078 P. 5/9

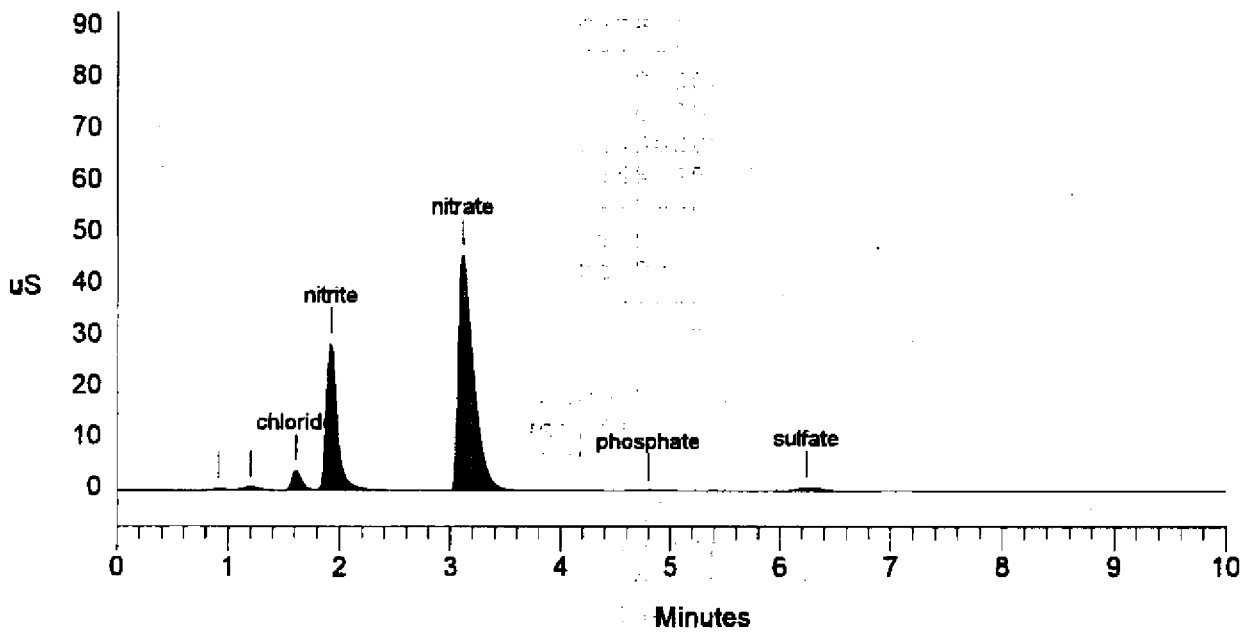
Sample Name: S96T002140 DUP Date: 06/14/1996 04:41:58
Data File : C:\DX\DATA\96061401.D16
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 16 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	10201	3000	5Hz	0.00	10.00		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	348	2335	2	
2	1.20		0.000	779	8493	2	
3	1.61	chloride	16643.280	3886	22340	1	-2.82
4	1.92	nitrite	196445.760	28566	189129	1	-4.64
5	3.11	nitrate	464237.904	45879	432804	1	-6.24
6	4.80	phosphate	4935.593	139	1851	1	-2.70
7	6.24	sulfate	10415.866	685	10305	1	-4.10
		Totals	692678.403	80282	667256		

File: 96061401.D16 Sample: S96T002140 DUP



Jun. 17. 1996 12:56PM WHC 222S LAB ROOM 2F BACKSIDE No. 2078 P. 6/9

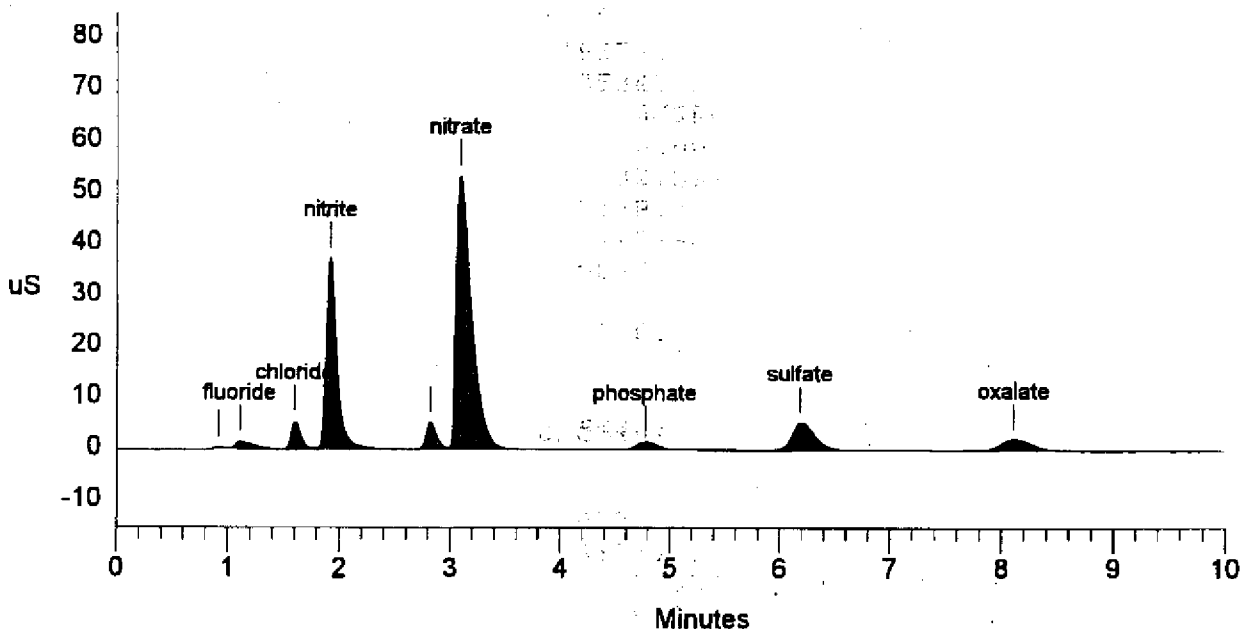
Sample Name: S96T002140 SPIKE Date: 06/14/1996 04:52:42
Data File : C:\DX\DATA\96061401.D17
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 17 Detector:CDM-1
Analyst : A. Lembel Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	10201	3000	5Hz	0.00	10.00		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	356	2040	2	
2	1.11	fluoride	9377.480	1603	17002	2	3.75
3	1.60	chloride	23534.758	5514	32009	1	-3.23
4	1.92	nitrite	255246.950	37367	249525	1	-4.64
5	2.82		0.000	5341	32477	1	
6	3.09	nitrate	536532.534	53354	514547	1	-6.64
7	4.77	phosphate	57139.335	1635	23105	1	-3.24
8	6.19	sulfate	72245.884	5412	76807	1	-4.92
9	8.11	oxalate	49849.700	2199	41272	1	-5.00
		Totals	1003926.642	112779	988785		

File: 96061401.D17 Sample: S96T002140 SPIKE



Jun. 17. 1996 12:56PM WHC 222S LAB ROOM 2F BACKSIDE No. 2078 P. 7/9

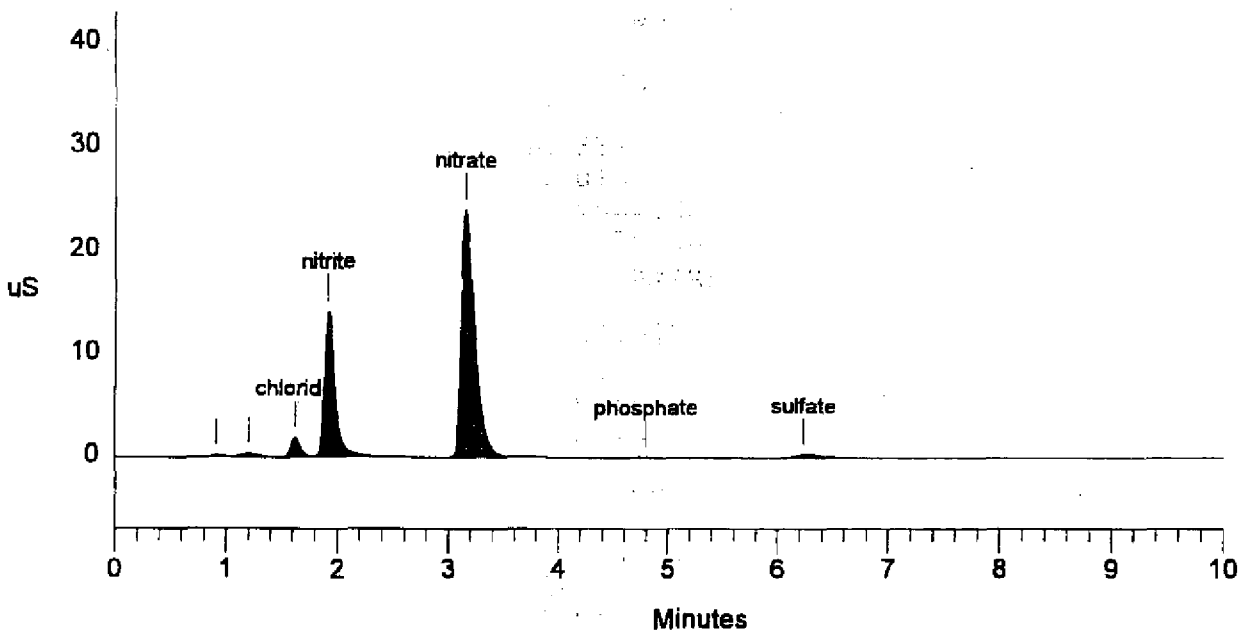
Sample Name: S96T002141 Date: 06/14/1996 05:03:28
Data File : C:\DX\DATA\96061401.D18
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 18 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	10201	3000	5Hz	0.00	10.00		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	183	1231	2	
2	1.21		0.000	382	4149	2	
3	1.62	chloride	8397.094	1960	11102	1	-2.02
4	1.92	nitrite	100167.502	14229	93894	1	-4.64
5	3.16	nitrate	236660.229	24113	204322	1	-4.63
6	4.80	phosphate	2759.169	72	981	1	-2.70
7	6.24	sulfate	5635.352	325	5264	1	-4.10
		Totals	353619.346	41264	320942		

File: 96061401.D18 Sample: S96T002141



Jun. 17. 1996 12:56PM WHC 222S LAB ROOM 2F BACKSIDE No. 2078 P. 8/9

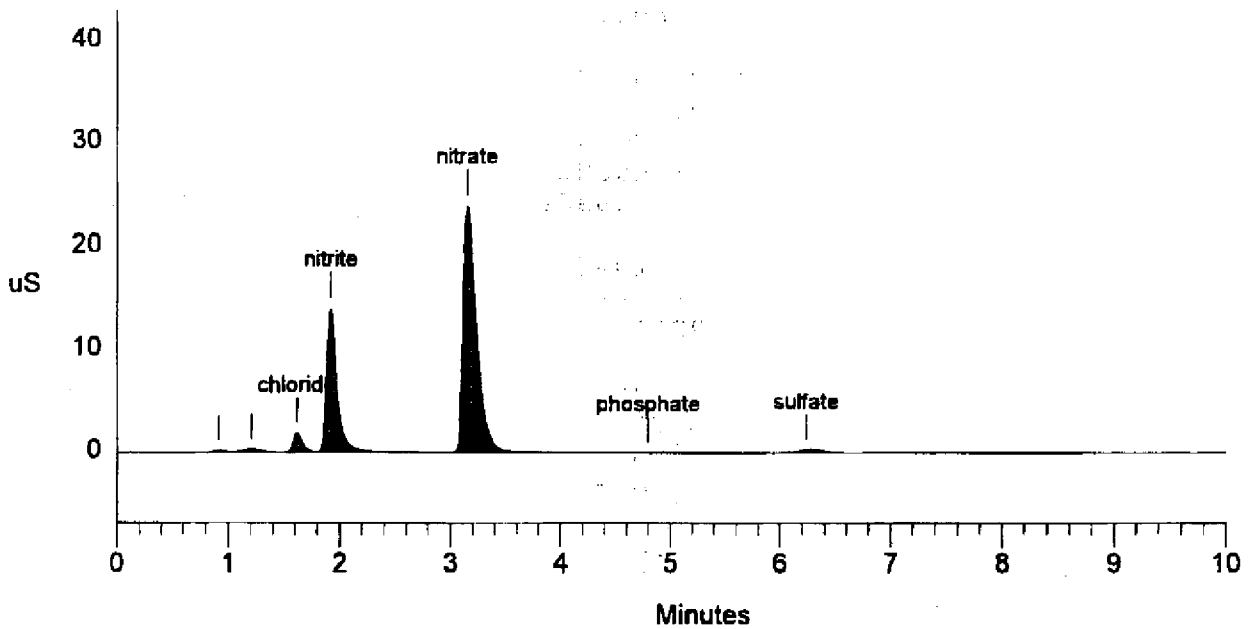
Sample Name: S96T002141 DUP	Date: 06/14/1996 05:14:28
Data File : C:\DX\DATA\96061401.D19	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 19	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	10201	3000	5Hz	0.00	10.00		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	182	1220	2	
2	1.21		0.000	381	4083	2	
3	1.62	chloride	8152.671	1948	10774	1	-2.02
4	1.92	nitrite	97529.396	14086	91343	1	-4.64
5	3.15	nitrate	236613.000	23911	204278	1	-4.83
6	4.80	phosphate	2675.562	64	947	1	-2.70
7	6.24	sulfate	5601.256	321	5228	1	-4.10
		Totals	350571.885	40893	317874		

File: 96061401.D19 Sample: S96T002141 DUP



Jun. 17. 1996 12:57PM WHC 222S LAB ROOM 2F BACKSIDE No. 2078 P. 9/9

File #: 9603200.DAT

LABCORE Data Entry Template for Worklist# 6137

Analyst: K Sato **Instrument:** ICP01 **Book#** 51848a

Method: LA-505-151/161 Rev/Mod D3

Worklist Comment: ICP U-107 (DIRECT)

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	ICV				@ICP-QC	QC		
2	ICB				@ICP-QC	QC		
3	ICSA				@ICP-QC	QC		
4	ICSAB				@ICP-QC	QC		
5	SAMPLE	S96T000665	0	D	@ICP-D01	LIQUID	96000085	U-107
	Analytes Requested:	AG-D-01 , AL-D-01 , AS-D-01 , B-D-01 , BA-D-01 , BE-D-01 , BI-D-01 , CA-D-01 , CD-D-01 , CE-D-01 , CO-D-01 , CR-D-01 , CU-D-01 , FE-D-01 , K-D-01 , LA-D-01 , LI-D-01 , MG-D-01 , MN-D-01 , MO-D-01 , NA-D-01 , ND-D-01 , NI-D-01 , P-D-01 , PB-D-01 , S-D-01 , SB-D-01 , SE-D-01 , SI-D-01 , SM-D-01 , SR-D-01 , TI-D-01 , TL-D-01 , U-D-01 , V-D-01 , ZN-D-01 , ZR-D-01						
6	DUP	S96T000665	0	D	@ICP-D01	LIQUID		
7	SPK	S96T000665	0	D	@ICP-D01	LIQUID		
8	SAMPLE	S96T000682	0	D	@ICP-D01	LIQUID	96000085	U-107
	Analytes Requested:	AG-D-01 , AL-D-01 , AS-D-01 , B-D-01 , BA-D-01 , BE-D-01 , BI-D-01 , CA-D-01 , CD-D-01 , CE-D-01 , CO-D-01 , CR-D-01 , CU-D-01 , FE-D-01 , K-D-01 , LA-D-01 , LI-D-01 , MG-D-01 , MN-D-01 , MO-D-01 , NA-D-01 , ND-D-01 , NI-D-01 , P-D-01 , PB-D-01 , S-D-01 , SB-D-01 , SE-D-01 , SI-D-01 , SM-D-01 , SR-D-01 , TI-D-01 , TL-D-01 , U-D-01 , V-D-01 , ZN-D-01 , ZR-D-01						
9	DUP	S96T000682	0	D	@ICP-D01	LIQUID		
10	SPK	S96T000682	0	D	@ICP-D01	LIQUID		
11	ICSA				@ICP-QC	QC		
12	ICSAB				@ICP-QC	QC		

Data Entry Comments:

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

LABCORE Data Entry Template for Worklist# 6137

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
13	CCV				@ICP-QC	QC		
14	CCB				@ICP-QC	QC		

Final page for worklist # 6137

DK Lato 03-20-96
Analyst Signature Date

Reviewed by: Saul M. Parry 3/21/96
Analyst Signature Date

596T000665_L, .025-25-2-8
596T000665 .025-25
596T000665_D .025-25
596T000665_a .025-25 .025 ml sample + 5 ml SST5 + 20 ml HNO_3

596T000682_L, .025-25-2-8
596T000682 .025-25
596T000682_D .025-25
596T000682_a .025-25 .025 ml sample + 5 ml SST5 + 20 ml HNO_3

Data Entry Comments:

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

File: 960520G WHC-SD-WM-DP-184, REV. 1

Identity 1: ICV Identity 2: Quality Control 11:31 AM March 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	4.878	4.988	4.998	4.740	4.877	4.900	4.965	5.019
S.D.	0.106	0.114	0.096	0.102	0.112	0.106	0.121	0.134
% R.S.D.	2.172	2.291	1.916	2.147	2.305	2.173	2.435	2.677

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	4.941	5.018	5.090	5.154	5.122	5.028	5.362	9.394
S.D.	0.104	0.093	0.114	0.106	0.121	0.089	0.129	0.268
% R.S.D.	2.112	1.847	2.231	2.051	2.354	1.772	2.402	2.856

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	5.035	5.030	5.012	4.954	4.821	4.900	5.075	4.964
S.D.	0.123	0.119	0.119	0.080	0.076	0.096	0.121	0.128
% R.S.D.	2.451	2.369	2.379	1.620	1.587	1.964	2.388	2.584

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	4.890	4.940	4.941	5.070	4.789	5.041	5.039	4.894
S.D.	0.103	0.061	0.104	0.120	0.103	0.096	0.118	0.116
% R.S.D.	2.099	1.225	2.115	2.371	2.141	1.913	2.342	2.376

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	5.021	4.677	4.985	5.205	4.860
S.D.	0.104	0.114	0.102	0.117	0.100
% R.S.D.	2.071	2.448	2.054	2.244	2.061

JK [illegible]
03-20-96
6-107 5967000665
5967000682
Worklist #6137

SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 485 TO 501.

Identity 1: ICB Identity 2: Quality Control 11:34 AM March 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	0.003	0.005	-0.010	0.003	-0.000	0.002	0.001	0.005
S.D.	0.007	0.006	0.010	0.007	0.007	0.006	0.006	0.006
% R.S.D.	232.935	118.572	102.197	226.748	1614.286	310.419	1011.064	111.623

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.006	0.003	0.002	0.004	0.005	0.006	-0.005	-0.090
S.D.	0.006	0.007	0.007	0.007	0.006	0.005	0.011	0.058
% R.S.D.	102.975	209.409	288.819	189.476	114.710	83.455	235.451	64.427

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-0.009	-0.029	0.005	0.003	0.007	0.005	-0.001	-0.002
S.D.	0.020	0.016	0.006	0.011	0.004	0.006	0.008	0.009
% R.S.D.	232.289	54.367	122.413	324.152	55.742	111.672	1346.827	605.438

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	0.005	0.002	0.005	-0.002	0.005	0.004	0.007	-0.119
S.D.	0.006	0.014	0.005	0.011	0.006	0.006	0.006	0.027
% R.S.D.	122.847	720.905	110.989	673.610	119.983	156.525	91.588	23.033

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.001	-0.014	0.004	0.006	0.028
S.D.	0.006	0.018	0.006	0.006	0.020
% R.S.D.	1010.145	128.278	138.316	106.246	70.596

Identity 1: ICB Identity 2: Quality Control 11:38 AM March 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	0.002	0.002	0.013	0.009	0.001	0.005	-0.002	0.003
S.D.	0.001	0.001	0.004	0.003	0.007	0.002	0.001	0.001
% R.S.D.	58.583	39.037	31.642	39.912	482.752	34.634	38.529	23.729

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.003	0.002	0.002	0.002	0.002	0.002	-0.003	-0.025
S.D.	0.001	0.003	0.001	0.003	0.001	0.002	0.008	0.029
% R.S.D.	38.122	117.730	34.408	123.928	34.996	96.738	256.422	115.733

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-0.006	-0.000	0.002	-0.002	-0.002	0.002	-0.003	0.004
S.D.	0.005	0.004	0.001	0.011	0.002	0.001	0.002	0.004
% R.S.D.	87.231	984.273	45.269	540.716	135.255	27.726	70.888	91.654

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	0.002	0.014	0.001	-0.012	0.003	0.001	0.003	-0.089
S.D.	0.002	0.006	0.001	0.008	0.001	0.001	0.001	0.011
% R.S.D.	129.424	43.160	59.894	70.671	34.059	78.015	29.512	11.888

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	-0.002	0.017	0.002	0.002	0.025
S.D.	0.001	0.028	0.002	0.001	0.016
% R.S.D.	50.824	163.966	99.906	36.745	63.172

Identity 1: ICSA Identity 2: Quality Control 11:41 AM March 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	0.010	0.003	-0.016	0.028	203.463	0.001	-0.003	0.001
S.D.	0.000	0.000	0.013	0.004	0.638	0.003	0.001	0.000
% R.S.D.	3.810	7.575	79.540	15.120	0.313	270.784	18.784	89.531

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	-0.002	0.007	0.009	104.317	101.250	0.004	0.014	0.015
S.D.	0.000	0.000	0.003	0.435	0.314	0.002	0.008	0.017
% R.S.D.	20.977	6.196	32.718	0.417	0.310	50.206	60.802	111.557

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-0.043	-0.002	0.003	0.029	0.006	103.177	0.045	196.461
S.D.	0.005	0.002	0.000	0.001	0.006	0.423	0.007	1.242
% R.S.D.	11.091	92.933	7.616	3.585	90.315	0.410	16.079	0.632

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	0.003	0.022	0.000	-0.025	0.002	0.002	0.013	-0.231
S.D.	0.001	0.013	0.000	0.010	0.000	0.001	0.001	0.008
% R.S.D.	27.885	57.246	85.363	39.776	16.870	38.873	6.746	3.486

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.006	-0.039	-0.002	0.003	-0.045
S.D.	0.001	0.015	0.000	0.000	0.008
% R.S.D.	17.906	37.894	28.604	11.517	18.426

Identity 1: ICSAB Identity 2: Quality Control 11:44 AM March 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	0.008	0.002	-0.034	0.026	201.686	0.502	0.501	0.960
S.D.	0.000	0.000	0.006	0.005	1.291	0.003	0.004	0.007
% R.S.D.	5.570	1.750	19.082	19.067	0.640	0.615	0.759	0.744

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	1.014	1.025	0.008	103.416	100.752	0.526	0.015	0.140
S.D.	0.007	0.003	0.004	0.648	0.715	0.004	0.007	0.029
% R.S.D.	0.651	0.305	46.732	0.627	0.710	0.745	44.051	20.691

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-0.021	0.025	0.527	0.013	0.002	102.330	0.036	195.627
S.D.	0.007	0.010	0.003	0.011	0.008	0.547	0.002	1.305
% R.S.D.	31.697	38.584	0.652	86.187	373.382	0.535	5.803	0.667

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	-0.002	0.057	1.059	1.063	0.002	1.050	0.012	-0.267
S.D.	0.001	0.015	0.006	0.010	0.000	0.007	0.002	0.027
% R.S.D.	33.445	26.307	0.524	0.965	13.533	0.665	14.230	10.063

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.527	-0.015	0.504	0.524	0.010
S.D.	0.004	0.011	0.002	0.003	0.014
% R.S.D.	0.759	76.426	0.441	0.509	134.465

Identity 1: S96T000665_L Identity 2: .025-25-2-8 ml 11:50 AM March 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 5005.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	5.099	-0.445	-32.344	80.909	25172.313	20.672	-20.099	3.278
S.D.	3.735	0.000	29.223	14.092	258.839	8.932	0.917	1.278
% R.S.D.	73.261	0.000	90.351	17.417	1.028	43.207	4.562	38.997

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	16.604	22.736	16.848	525.551	595.684	808.212	-114.472	-237.513
S.D.	1.508	10.505	8.380	125.660	127.860	5.212	23.240	63.368
% R.S.D.	9.085	46.205	49.737	23.910	21.464	0.645	20.302	26.680

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-116.420	-4.598	0.262	1229.731	2511.670	495.956	18.433	236972.608
S.D.	32.595	9.725	0.721	29.262	18.264	126.252	7.675	467.318
% R.S.D.	27.998	211.517	274.955	2.380	0.727	25.456	41.639	0.197

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	87.952	33.277	-4.033	-96.194	-0.277	2.039	70.752	2796.621
S.D.	6.856	53.310	3.876	16.797	1.735	6.108	2.794	95.253
% R.S.D.	7.795	160.202	96.103	17.462	626.129	299.643	3.949	3.406

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	-12.907	65.902	-3.428	3.078	72.296
S.D.	1.634	119.970	3.300	1.797	62.365
% R.S.D.	12.661	182.043	96.269	58.385	86.263

Identity 1: S96T000665 Identity 2: .025-25 ml 11:54 AM March 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1001.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	1.790	-0.022	25.409	85.533	24871.459	-3.095	-4.449	-0.511
S.D.	0.969	0.116	9.754	2.481	47.917	0.004	0.536	0.186
% R.S.D.	54.102	519.615	38.389	2.901	0.193	0.121	12.048	36.357

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	7.709	23.448	1.470	37.871	127.573	830.284	-22.202	48.475
S.D.	0.405	1.176	1.464	11.170	7.705	3.113	7.324	28.461
% R.S.D.	5.250	5.013	99.578	29.495	6.040	0.375	32.990	58.713

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-33.748	1.092	-0.241	1322.901	2545.292	30.256	-3.566	231411.491
S.D.	10.078	5.519	0.155	7.380	1.435	7.449	1.351	598.034
% R.S.D.	29.862	505.181	64.342	0.558	0.056	24.618	37.889	0.258

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	91.270	53.579	-0.337	1.299	1.299	1.032	68.679	2976.597
S.D.	0.792	13.012	0.697	4.307	0.405	0.685	0.113	26.898
% R.S.D.	0.868	24.286	206.716	331.471	31.168	66.439	0.164	0.904

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	-2.797	-24.214	-2.572	0.526	-13.236
S.D.	0.339	21.521	0.833	0.132	23.460
% R.S.D.	12.134	88.878	32.377	25.128	177.247

Identity 1: S96T000665_D Identity 2: .025-25 ml 11:58 AM March 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1001.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	-0.002	0.067	0.275	77.043	23812.212	-3.090	-4.443	0.007
S.D.	1.579	0.139	15.174	3.562	187.190	0.008	0.780	0.308
% R.S.D.	84605.069	208.167	5515.572	4.623	0.786	0.263	17.556	4156.276

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	7.222	20.523	1.451	27.552	115.752	796.396	1.904	8.133
S.D.	0.708	2.296	1.424	22.375	21.099	5.867	0.701	62.048
% R.S.D.	9.807	11.188	98.146	81.211	18.228	0.737	36.793	762.941

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-14.147	-14.099	0.010	1219.642	2423.017	22.992	-10.838	224524.991
S.D.	12.532	7.598	0.292	27.267	52.461	21.475	3.762	2640.235
% R.S.D.	88.586	53.892	2787.472	2.236	2.165	93.399	34.714	1.176

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	87.383	33.727	-0.228	7.944	0.531	1.812	64.284	2841.380
S.D.	0.657	6.152	1.051	6.651	0.793	1.620	1.265	14.668
% R.S.D.	0.752	18.239	461.548	83.720	149.374	89.410	1.969	0.516

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	-2.285	-16.284	-1.439	0.757	-29.850
S.D.	0.181	18.784	1.156	0.279	33.810
% R.S.D.	7.930	115.354	80.287	36.909	113.266

Identity 1: S96T000665_A Identity 2: .025+5sst5+20hno3 12:02 PM March 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1001.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	998.005	1023.315	1026.974	1080.179	23960.973	1005.921	1010.886	981.140
S.D.	1.311	1.437	12.577	1.845	18.484	3.094	0.851	1.087
% R.S.D.	0.131	0.140	1.225	0.171	0.077	0.308	0.084	0.111

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	1016.798	1039.690	1044.474	1082.520	1165.318	1781.943	1075.138	1901.616
S.D.	2.834	3.686	3.015	12.147	2.553	7.042	1.613	20.893
% R.S.D.	0.279	0.355	0.289	1.122	0.219	0.395	0.150	1.099

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	1008.850	1000.301	1022.199	2161.359	3300.585	1026.881	1039.286	217942.507
S.D.	8.305	4.428	1.321	15.781	8.490	1.310	5.953	247.762
% R.S.D.	0.823	0.443	0.129	0.730	0.257	0.128	0.573	0.114

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	1089.896	1033.496	934.405	1041.200	981.869	1027.724	1063.605	3720.954
S.D.	4.944	2.283	1.461	5.194	1.541	3.458	2.105	13.515
% R.S.D.	0.454	0.221	0.156	0.499	0.157	0.336	0.198	0.363

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	1029.210	923.686	1022.314	1047.789	977.870
S.D.	1.471	3.978	2.947	0.716	21.146
% R.S.D.	0.143	0.431	0.288	0.068	2.162

Identity 1: S96T000682_L Identity 2: .025-25-2-8 ml 12:07 PM March 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 5005.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	7.887	5.568	38.529	121.410	22528.358	5.144	-15.276	7.588
S.D.	4.826	0.579	15.249	9.799	66.563	8.955	1.827	1.296
% R.S.D.	61.181	10.392	39.578	8.071	0.295	174.091	11.961	17.083

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	34.902	42.579	4.918	83.504	161.223	734.560	-46.113	170.029
S.D.	0.931	16.527	8.324	15.456	6.212	5.429	26.417	236.731
% R.S.D.	2.666	38.815	169.242	18.509	3.853	0.739	57.289	139.230

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-50.857	-47.131	7.024	972.711	2330.869	76.537	-20.035	221297.248
S.D.	65.589	36.553	1.517	52.954	43.440	5.996	16.074	1244.366
% R.S.D.	128.966	77.555	21.590	5.444	1.864	7.834	80.229	0.562

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	92.451	73.404	13.176	34.173	6.093	-1.313	66.815	2480.534
S.D.	4.571	54.925	5.741	16.122	1.807	3.446	1.824	157.098
% R.S.D.	4.944	74.826	43.574	47.176	29.656	262.464	2.731	6.333

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	-11.590	-292.299	-3.680	7.448	73.808
S.D.	1.490	84.899	5.799	1.371	96.078
% R.S.D.	12.854	29.045	157.589	18.407	130.173

Identity 1: S96T000682 Identity 2: .025-25 ml 12:11 PM March 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1001.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	1.350	0.156	13.517	84.820	22463.308	6.187	-4.099	-0.187
S.D.	1.523	0.039	4.246	2.393	27.689	0.006	0.381	0.338
% R.S.D.	112.849	24.744	31.415	2.822	0.123	0.099	9.285	180.836

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	27.346	22.119	1.001	3.942	86.612	736.462	-2.250	83.727
S.D.	0.168	1.455	0.856	2.460	0.694	2.989	3.330	47.802
% R.S.D.	0.613	6.578	85.452	62.406	0.801	0.406	147.983	57.092

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-25.037	2.892	-0.147	994.693	2342.940	3.542	-5.220	211247.084
S.D.	8.101	8.362	0.244	28.148	11.611	0.579	4.988	665.208
% R.S.D.	32.357	289.145	166.445	2.830	0.496	16.345	95.554	0.315

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	85.200	60.224	-1.362	0.891	0.710	1.214	67.145	2809.726
S.D.	1.755	14.297	0.951	6.162	0.213	1.080	0.906	32.039
% R.S.D.	2.060	23.739	69.807	691.600	29.972	88.978	1.350	1.140

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	-2.468	-49.212	-2.722	0.534	-8.836
S.D.	0.171	11.361	0.936	0.142	26.762
% R.S.D.	6.931	23.087	34.373	26.542	302.864

Identity 1: S96T000682_D Identity 2: .025-25 ml 12:14 PM March 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1001.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	2.649	0.267	-5.046	101.239	22518.687	-6.195	-3.979	0.083
S.D.	0.447	0.102	6.260	3.525	59.814	3.098	0.050	0.237
% R.S.D.	16.862	38.188	124.063	3.482	0.266	50.012	1.250	284.329

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	27.372	17.829	0.513	4.567	90.594	737.091	-6.919	74.673
S.D.	0.305	1.469	2.210	1.009	0.736	1.306	4.298	20.907
% R.S.D.	1.114	8.237	431.067	22.087	0.813	0.177	62.117	27.999

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-16.005	-3.636	0.094	988.695	2328.167	4.202	-11.061	214423.096
S.D.	4.786	4.074	0.110	22.307	22.934	0.936	6.060	1112.389
% R.S.D.	29.903	112.048	117.063	2.256	0.985	22.269	54.784	0.519

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	85.721	25.111	-0.277	20.706	1.309	-0.259	64.810	2750.033
S.D.	2.430	4.282	0.551	9.724	0.277	0.259	0.682	10.644
% R.S.D.	2.834	17.053	199.029	46.961	21.187	100.293	1.053	0.387

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	-2.769	4.711	-3.201	0.532	7.595
S.D.	0.173	13.351	0.152	0.137	10.043
% R.S.D.	6.257	283.378	4.735	25.773	132.241

Identity 1: S96T000682_A Identity 2: .025+5sst5+20hno3 12:18 PM March 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1001.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	1003.899	1024.584	1039.777	1110.264	23568.801	1009.008	1010.875	973.833
S.D.	3.129	2.066	17.626	3.245	40.796	5.366	2.894	7.279
% R.S.D.	0.312	0.202	1.695	0.292	0.173	0.532	0.286	0.747

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	1040.645	1048.808	1048.379	1060.678	1143.893	1772.377	1073.572	1969.834
S.D.	1.031	5.401	2.513	1.561	0.996	2.750	6.595	36.948
% R.S.D.	0.099	0.515	0.240	0.147	0.087	0.155	0.614	1.876

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	990.474	1011.298	1023.080	1970.946	3292.156	1006.182	1041.863	217808.116
S.D.	10.234	3.448	2.574	45.456	65.692	2.190	4.099	1396.097
% R.S.D.	1.033	0.341	0.252	2.306	1.995	0.218	0.393	0.641

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	1089.706	1055.806	955.633	1036.017	984.494	1031.540	1076.252	3749.915
S.D.	7.066	22.428	0.815	2.089	1.160	5.046	3.132	6.084
% R.S.D.	0.648	2.124	0.085	0.202	0.118	0.489	0.291	0.162

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	1035.186	944.817	1026.165	1051.564	992.759
S.D.	3.679	15.187	3.532	2.317	20.748
% R.S.D.	0.355	1.607	0.344	0.220	2.090

Identity 1: ICSA Identity 2: Quality Control 12:25 PM March 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	0.008	0.002	-0.022	0.025	202.992	-0.001	-0.003	0.000
S.D.	0.001	0.000	0.003	0.002	0.533	0.002	0.000	0.000
% R.S.D.	13.210	1.786	15.977	9.519	0.262	196.326	19.357	139.594

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	-0.003	0.005	0.008	105.239	101.298	0.003	0.032	0.011
S.D.	0.000	0.000	0.001	0.073	0.224	0.002	0.005	0.026
% R.S.D.	2.432	8.670	9.858	0.069	0.221	70.911	15.607	226.969

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-0.024	0.004	0.003	0.022	0.002	102.974	0.030	195.713
S.D.	0.009	0.006	0.000	0.016	0.003	0.089	0.010	0.833
% R.S.D.	37.953	141.849	3.944	71.071	135.900	0.087	33.664	0.426

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	0.001	0.009	0.001	-0.005	0.001	0.002	0.012	-0.161
S.D.	0.001	0.023	0.001	0.016	0.000	0.000	0.001	0.007
% R.S.D.	68.734	243.290	42.319	335.353	52.813	6.605	7.565	4.313

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.004	0.002	-0.002	0.003	0.020
S.D.	0.000	0.016	0.001	0.000	0.020
% R.S.D.	5.071	834.766	40.037	4.365	98.324

Identity 1: ICSAB Identity 2: Quality Control 12:28 PM March 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	0.004	0.002	-0.029	0.017	200.112	0.499	0.494	0.948
S.D.	0.000	0.000	0.008	0.004	0.390	0.005	0.001	0.001
% R.S.D.	5.579	1.862	27.250	21.757	0.195	1.073	0.163	0.156

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	1.020	1.019	0.004	103.709	99.469	0.528	-0.003	-0.048
S.D.	0.004	0.007	0.001	0.192	0.127	0.003	0.006	0.016
% R.S.D.	0.405	0.696	32.121	0.185	0.127	0.520	228.629	33.049

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-0.019	-0.004	0.515	0.020	0.016	102.299	0.044	193.484
S.D.	0.002	0.005	0.001	0.002	0.010	0.133	0.006	0.270
% R.S.D.	12.542	127.907	0.118	12.192	63.126	0.130	13.399	0.139

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	0.001	-0.013	1.063	1.026	0.001	1.039	0.013	-0.092
S.D.	0.001	0.011	0.001	0.022	0.000	0.004	0.001	0.005
% R.S.D.	77.839	82.866	0.110	2.173	28.713	0.415	4.189	4.925

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.525	0.017	0.503	0.519	0.032
S.D.	0.002	0.020	0.001	0.001	0.008
% R.S.D.	0.297	121.894	0.189	0.146	24.692

Identity 1: CCV Identity 2: Quality Control 12:43 PM March 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	4.979	5.058	5.072	4.810	4.977	5.014	5.024	4.986
S.D.	0.009	0.009	0.010	0.012	0.018	0.004	0.011	0.007
% R.S.D.	0.175	0.188	0.197	0.252	0.355	0.071	0.214	0.140

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	5.063	5.137	5.197	5.306	5.211	5.162	5.523	9.528
S.D.	0.007	0.003	0.001	0.012	0.014	0.014	0.015	0.008
% R.S.D.	0.132	0.060	0.028	0.234	0.259	0.277	0.265	0.082

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	5.088	5.108	5.072	5.017	4.846	5.020	5.180	4.983
S.D.	0.012	0.009	0.010	0.059	0.037	0.008	0.015	0.005
% R.S.D.	0.245	0.168	0.189	1.171	0.762	0.151	0.287	0.107

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	4.966	5.034	5.061	5.189	4.858	5.158	5.133	5.001
S.D.	0.010	0.029	0.009	0.020	0.009	0.005	0.013	0.020
% R.S.D.	0.206	0.571	0.173	0.381	0.189	0.100	0.246	0.398

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	5.149	4.787	5.102	5.300	4.972
S.D.	0.009	0.006	0.008	0.010	0.010
% R.S.D.	0.171	0.134	0.152	0.192	0.203

Identity 1: CCB Identity 2: Quality Control 12:49 PM March 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	0.006	0.004	-0.003	0.009	0.043	0.006	0.000	0.004
S.D.	0.001	0.000	0.008	0.001	0.006	0.000	0.000	0.000
% R.S.D.	9.856	6.842	273.902	15.489	14.465	0.076	152.890	7.623

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.005	0.006	0.008	0.028	0.029	0.001	-0.012	0.067
S.D.	0.000	0.003	0.002	0.001	0.000	0.002	0.005	0.037
% R.S.D.	9.209	44.693	20.495	5.049	1.413	141.689	39.773	54.854

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-0.038	0.011	0.003	0.004	0.003	0.029	-0.003	0.075
S.D.	0.006	0.006	0.000	0.011	0.002	0.000	0.002	0.005
% R.S.D.	15.768	60.036	0.929	244.591	70.837	1.080	86.795	6.438

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	0.005	-0.016	0.001	-0.006	0.005	0.003	0.005	-0.058
S.D.	0.000	0.003	0.000	0.012	0.000	0.001	0.001	0.015
% R.S.D.	8.986	20.122	11.583	208.013	9.379	26.242	13.792	26.638

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	-0.000	-0.006	0.002	0.004	-0.008
S.D.	0.000	0.018	0.001	0.000	0.022
% R.S.D.	130.338	298.139	48.077	8.735	287.635

03-20-96

03/12/96 12:51
A-0004-1

LABCORE Data Entry Template for Worklist# 6415

Analyst: B. Goecke **Instrument:** ~~ICP01~~ ICP02 3-25-96 **Book#** 53B418

Method: LA-505-~~151~~ 161 3-25-96 Rev/Mod B-0

Worklist Comment: ICP U-107 (ACID DIGEST)

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	ICV				@ICP-QC	QC		
2	ICB				@ICP-QC	QC		
3	ICSA				@ICP-QC	QC		
4	ICSAB				@ICP-QC	QC		
5	PREPSTDTJA				@ICP-A01	SOLID		
6	PREPBLKTJA				@ICP-A01	SOLID		
7	SERDIL	S96T000788	0	A	@ICP-A01	SOLID		
8	SAMPLE	S96T000788	0	A	@ICP-A01	SOLID	96000085	U-107
	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			
9	DUP	S96T000788	0	A	@ICP-A01	SOLID		
10	SPK-PREDIG	S96T000788	0	A	@ICP-A01	SOLID		
11	CCV				@ICP-QC	QC		
12	CCB				@ICP-QC	QC		
13	SERDIL	S96T000789	0	A	@ICP-A01	SOLID		
14	SAMPLE	S96T000789	0	A	@ICP-A01	SOLID	96000085	U-107
	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 ,			

Data Entry Comments:

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

LABCORE Data Entry Template for Worklist# 6415

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
					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			
15	DUP	S96T000789	0	A	@ICP-A01	SOLID		
16	SERDIL	S96T000790	0	A	@ICP-A01	SOLID		
17	SAMPLE	S96T000790	0	A	@ICP-A01	SOLID	96000085	U-107
		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	DUP	S96T000790	0	A	@ICP-A01	SOLID		
19	CCV				@ICP-QC	QC		
20	CCB				@ICP-QC	QC		
21	SERDIL	S96T000791	0	A	@ICP-A01	SOLID		
22	SAMPLE	S96T000791	0	A	@ICP-A01	SOLID	96000085	U-107
		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			
23	DUP	S96T000791	0	A	@ICP-A01	SOLID		
24	ICSA				@ICP-QC	QC		
25	ICSAB				@ICP-QC	QC		
26	CCV				@ICP-QC	QC		
27	CCB				@ICP-QC	QC		

Data Entry Comments:

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

LABCORE Data Entry Template for Worklist# 6415

S Type	Sample#	R A	Test	Matrix	Group#	Project

Final page for worklist # 6415

Reviewed by:

[signature] 3-29-96
Analyst Signature Date

[signature] 4/1/96
Analyst Signature Date

		D.F.
PREPSTDTJA	DIRECT	1
PREPHRTJA	DIRECT	1
S96T000788-L	5mL-5mL-2mL-8mL	10
S96T000788	5mL-5mL	2
S96T000788-D	5mL-5mL	2
S96T000788-S	5mL-5mL	2
S96T000789-L	5mL-5mL-2mL-8mL	10
S96T000789	5mL-5mL	2
S96T000789-D	5mL-5mL	2
S96T000790-L	5mL-5mL-2mL-8mL	10
S96T000790	5mL-5mL	2
S96T000790-D	5mL-5mL	2
S96T000791-L	5mL-5mL-2mL-8mL	10
S96T000791	5mL-5mL	2
S96T000791-D	5mL-5mL	2

Data Entry Comments:

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

Analysis Report Summary Fri 03-29-96 03:20:27 PM page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	ICV	960329C	ICP2	03/29/96	13:45	BJG	Q	CONC
2	ICB	960329C	ICP2	03/29/96	13:48	BJG	Q	CONC
3	ICSA	960329C	ICP2	03/29/96	13:51	BJG	Q	CONC
4	ICSAB	960329C	ICP2	03/29/96	13:54	BJG	Q	CONC
5	PREPSTDTJA	960329C	ICP2	03/29/96	13:56	BJG	S	CONC
6	PREPBLKTJA	960329C	ICP2	03/29/96	14:00	BJG	S	CONC
7	S96T000788_L	960329C	ICP2	03/29/96	14:04	BJG	S	CONC
8	S96T000788	960329C	ICP2	03/29/96	14:08	BJG	S	CONC
9	S96T000788_D	960329C	ICP2	03/29/96	14:11	BJG	S	CONC
10	S96T000788_S	960329C	ICP2	03/29/96	14:15	BJG	S	CONC
11	CCV	960329C	ICP2	03/29/96	14:19	BJG	Q	CONC
12	CCB	960329C	ICP2	03/29/96	14:22	BJG	Q	CONC
13	S96T000789_L	960329C	ICP2	03/29/96	14:29	BJG	S	CONC
14	S96T000789	960329C	ICP2	03/29/96	14:32	BJG	S	CONC
15	S96T000789_D	960329C	ICP2	03/29/96	14:36	BJG	S	CONC
16	S96T000790_L	960329C	ICP2	03/29/96	14:39	BJG	S	CONC
17	S96T000790	960329C	ICP2	03/29/96	14:42	BJG	S	CONC
18	S96T000790_D	960329C	ICP2	03/29/96	14:45	BJG	S	CONC
19	CCV	960329C	ICP2	03/29/96	14:51	BJG	Q	CONC
20	CCB	960329C	ICP2	03/29/96	14:54	BJG	Q	CONC
21	S96T000791_L	960329C	ICP2	03/29/96	14:57	BJG	S	CONC
22	S96T000791	960329C	ICP2	03/29/96	15:01	BJG	S	CONC
23	S96T000791_D	960329C	ICP2	03/29/96	15:04	BJG	S	CONC
24	ICSA	960329C	ICP2	03/29/96	15:07	BJG	Q	CONC
25	ICSAB	960329C	ICP2	03/29/96	15:11	BJG	Q	CONC
26	CCV	960329C	ICP2	03/29/96	15:14	BJG	Q	CONC
27	CCB	960329C	ICP2	03/29/96	15:17	BJG	Q	CONC

3-29-96

U-107 AUD DIGEST

S96T000788-81

Smt Sub

SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 505 TO 509.

Analysis Report Averages Fri 03-29-96 03:20:27 PM page 2

#	Sample Name	Ag	Al	As	B	Ba	Be
1	ICV	4.989	4.971	5.163	5.059	5.162	5.212
2	ICB	.0001	.0165	-.0088	.0073	.0001	.0003
3	ICSA	.0027	239.1	-.0816	.0016	.0026	.0006
4	ICSAB	.9824	240.7	-.0822	.0099	.5047	.4874
5	PREPSTDTJA	.9438	4.812	4.843	5.331	4.981	5.367
6	PREPBLKTJA	-.0002	.0530	-.0128	.1215	.0002	.0003
7	S96T000788_L	.0533	92.79	-.2656	.8237	.0381	.0026
8	S96T000788	.0577	90.83	-.1682	.7450	.0383	.0017
9	S96T000788_D	.0611	96.37	-.1407	.6736	.0423	.0021
10	S96T000788_S	1.003	105.3	4.706	5.101	4.943	4.944
11	CCV	5.135	5.067	5.252	5.061	5.397	5.280
12	CCB	.0031	.0249	-.0042	.0056	.0003	.0003
13	S96T000789_L	.0731	53.35	-.0486	.5461	.0147	.0030
14	S96T000789	.0651	52.59	-.0546	.5090	.0148	.0012
15	S96T000789_D	.0625	53.41	-.0675	.6150	.0115	.0011
16	S96T000790_L	.0624	26.59	-.1545	.6658	.0035	.0034
17	S96T000790	.0588	25.77	-.0616	.5898	.0037	.0009
18	S96T000790_D	.0695	26.85	-.0461	.5422	.0041	.0010
19	CCV	5.158	5.066	5.224	5.037	5.368	5.269
20	CCB	.0008	.0269	-.0052	.0069	.0000	.0004
21	S96T000791_L	.0674	23.45	.0000	.4755	.0043	.0034
22	S96T000791	.0594	22.45	-.0542	.4566	.0040	.0008
23	S96T000791_D	.0595	19.90	-.0476	.6235	.0032	.0009
24	ICSA	.0031	245.3	-.0551	.0044	.0026	.0004
25	ICSAB	1.008	246.0	-.0500	.0056	.5256	.4935
26	CCV	5.093	4.997	5.135	4.998	5.281	5.211
27	CCB	.0016	.0128	-.0079	.0086	.0003	.0004

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
1	ICV	5.109	5.112	4.987	5.277	5.063	5.089
2	ICB	.0153	-.0033	-.0003	.0042	.0010	.0019
3	ICSA	.0206	250.9	-.0000	.0223	.0042	.0030
4	ICSAB	.0104	251.6	.9534	.0262	.4788	.4882
5	PREPSTDTJA	4.738	5.330	4.657	5.147	4.830	4.752
6	PREPBLKTJA	.0023	.1804	.0008	.0014	.0010	.0038
7	S96T000788_L	.1058	2.852	.0492	.1031	.0391	41.22
8	S96T000788	.2098	2.755	.0525	.0806	.0183	39.64
9	S96T000788_D	.2832	3.179	.0603	.0912	.0213	43.49
10	S96T000788_S	4.954	7.486	4.704	5.188	4.788	45.76
11	CCV	5.235	5.354	5.117	5.460	5.214	5.247
12	CCB	-.0019	.0045	.0006	.0238	.0022	.0025
13	S96T000789_L	.2270	2.960	.0199	.1253	.0308	16.80
14	S96T000789	.0994	2.902	.0247	.0549	.0115	16.45
15	S96T000789_D	.0752	1.422	.0166	.0445	.0120	13.15
16	S96T000790_L	-.0002	1.219	.0097	.0582	.0285	2.982
17	S96T000790	-.0144	1.182	.0057	.0124	.0025	2.894
18	S96T000790_D	.0272	1.971	.0066	.0275	.0096	3.096
19	CCV	5.333	5.406	5.144	5.466	5.231	5.289
20	CCB	.0059	-.0016	.0005	.0112	.0011	.0012
21	S96T000791_L	.0878	1.343	.0129	.0414	.0133	3.096
22	S96T000791	.0412	1.335	.0042	.0061	.0038	2.983

Analysis Report Averages Fri 03-29-96 03:20:27 PM page 3

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
23	S96T000791_D	.0152	.9219	.0032	.0101	-.0028	2.723
24	ICSA	-.0450	255.9	.0001	.0206	-.0008	.0012
25	ICSAB	.0064	261.3	.9753	.0287	.4893	.5026
26	CCV	5.179	5.351	5.068	5.350	5.174	5.221
27	CCB	.0077	.0023	.0012	.0078	.0016	.0019

#	Sample Name	Cu	Eu	Fe	K	La	Li
1	ICV	5.282	-.0043	5.117	4.846	5.171	5.157
2	ICB	.0000	-.0012	-.0002	-.2047	-.0005	-.0010
3	ICSA	-.0103	-.0412	94.07	.1789	-.0040	.0021
4	ICSAB	.5004	-.0380	94.62	.1039	-.0035	1.001
5	PREPSTDTJA	4.833	-.0048	4.803	4.883	5.014	4.891
6	PREPBLKTJA	.0121	-.0020	.1151	.0051	-.0009	-.0020
7	S96T000788_L	.0561	-.0092	5.930	7.183	.0535	-.0001
8	S96T000788	.0559	-.0028	5.745	6.968	.0542	.0046
9	S96T000788_D	.0819	-.0002	6.369	7.536	.0626	.0036
10	S96T000788_S	4.771	-.0041	11.08	12.03	5.028	4.759
11	CCV	5.386	-.0042	5.269	5.071	5.377	5.180
12	CCB	.0012	-.0014	.0013	-.0756	.0026	-.0010
13	S96T000789_L	.0500	-.0179	3.892	3.719	.0346	-.0127
14	S96T000789	.0420	-.0026	3.790	4.109	.0319	-.0010
15	S96T000789_D	.0307	-.0022	2.921	3.011	.0246	-.0014
16	S96T000790_L	.0339	-.0137	.4702	3.226	.0141	-.0093
17	S96T000790	.0278	-.0032	.4658	3.747	.0038	-.0028
18	S96T000790_D	.0180	-.0017	.4243	3.947	.0039	-.0019
19	CCV	5.352	-.0036	5.297	5.208	5.348	5.140
20	CCB	.0007	-.0024	.0002	-.1389	.0010	-.0020
21	S96T000791_L	.0203	-.0236	.4230	3.575	.0026	-.0196
22	S96T000791	.0167	-.0046	.4369	3.191	.0021	-.0023
23	S96T000791_D	.0200	-.0031	.4079	2.485	.0013	-.0023
24	ICSA	-.0107	-.0441	95.96	.0426	-.0052	.0015
25	ICSAB	.5095	-.0473	97.20	.0063	-.0047	1.017
26	CCV	5.293	-.0028	5.204	5.028	5.255	5.106
27	CCB	-.0002	.0000	.0016	-.0408	.0004	.0001

#	Sample Name	Mg	Mn	Mo	Na	Nd	Ni
1	ICV	4.921	4.952	5.061	5.063	5.239	5.001
2	ICB	-.0006	.0001	-.0007	-.0101	.0032	-.0018
3	ICSA	243.6	-.0067	-.0106	199.4	.0076	-.0031
4	ICSAB	246.6	.4550	-.0110	201.8	.0093	.9195
5	PREPSTDTJA	4.514	4.640	4.623	5.548	4.967	4.766
6	PREPBLKTJA	.0085	.0006	.0011	.2700	-.0007	-.0004
7	S96T000788_L	.6480	5.592	.1950	638.1	.1377	.3185
8	S96T000788	.6008	5.430	.1994	625.4	.1205	.3579
9	S96T000788_D	.6282	6.063	.2163	663.2	.1336	.4008
10	S96T000788_S	5.020	10.59	4.651	669.2	5.027	5.155
11	CCV	5.012	5.110	5.218	5.142	5.427	5.163
12	CCB	.0048	.0001	.0022	-.0114	.0038	.0031
13	S96T000789_L	.2892	2.930	.1399	835.8	.0867	.2037
14	S96T000789	.3137	2.865	.1155	817.8	.0764	.1888

Analysis Report Averages Fri 03-29-96 03:20:27 PM page 4

#	Sample Name	Mg	Mn	Mo	Na	Nd	Ni
15	S96T000789_D	.2405	2.141	.0810	815.8	.0590	.1608
16	S96T000790_L	.1063	.1449	.0818	827.6	.0289	.1297
17	S96T000790_	.0975	.1406	.0913	803.8	.0126	.0272
18	S96T000790_D	.1089	.1480	.0975	957.6	.0183	.0399
19	CCV	5.018	5.120	5.237	5.121	5.385	5.202
20	CCB	-.0012	-.0003	-.0010	-.0223	.0006	.0006
21	S96T000791_L	.0899	.1309	.0975	879.7	.0011	.0568
22	S96T000791_	.1045	.1272	.0736	842.6	.0107	.0364
23	S96T000791_D	.0482	.1147	.0649	839.8	.0005	.0352
24	ICSA	249.7	-.0073	-.0125	204.8	.0032	.0015
25	ICSAB	251.2	.4668	-.0104	205.2	.0076	.9504
26	CCV	4.962	5.042	5.159	5.062	5.285	5.098
27	CCB	.0005	.0005	.0010	-.0013	-.0004	.0014

#	Sample Name	P	Pb	S	Sb	Se	Si
1	ICV	4.907	4.948	4.867	4.824	4.929	4.697
2	ICB	-.0496	.0054	-.0133	-.0093	.0294	-.0056
3	ICSA	-.0031	.0509	-.0327	-.0013	-.0275	-.0059
4	ICSAB	-.0338	1.019	-.0321	-.0089	-.0666	.0037
5	PREPSTDTJA	4.457	4.540	4.619	4.300	4.549	6.800
6	PREPBLKTJA	-.0595	.0122	.0722	.0007	.0381	.0525
7	S96T000788_L	27.35	.7134	5.661	-.0513	.2867	.9459
8	S96T000788_	27.41	.6755	5.416	.0168	.0252	.9964
9	S96T000788_D	26.77	.7789	5.944	.0295	.0411	1.130
10	S96T000788_S	30.50	5.291	10.34	4.192	4.452	5.485
11	CCV	4.948	5.141	4.937	4.950	4.976	4.816
12	CCB	-.0644	.0039	-.0121	.0024	.0251	.0007
13	S96T000789_L	3.745	.5740	3.291	-.0231	.3103	.6235
14	S96T000789_	4.078	.4179	3.291	-.0047	.0693	.7206
15	S96T000789_D	6.998	.3069	2.456	-.0060	.0448	.6890
16	S96T000790_L	.7874	.2161	2.884	-.0250	.3137	.2449
17	S96T000790_	1.201	.0927	2.907	-.0137	.0552	.2863
18	S96T000790_D	1.340	.1307	3.017	.0019	.0851	.2678
19	CCV	4.939	5.171	4.910	4.939	4.976	4.842
20	CCB	-.0496	.0180	-.0030	-.0001	.0260	-.0041
21	S96T000791_L	.9660	.0910	2.493	-.0029	.2560	.7880
22	S96T000791_	1.362	.0613	2.384	-.0020	.0457	.8474
23	S96T000791_D	1.261	.0563	2.112	-.0244	.0705	.7900
24	ICSA	-.0040	.0376	-.0405	.0003	-.0608	-.0013
25	ICSAB	-.0189	1.061	-.0281	.0139	-.0315	.0034
26	CCV	4.850	5.121	4.871	4.880	4.911	4.796
27	CCB	-.0735	-.0026	-.0106	-.0005	.0426	.0130

#	Sample Name	Sm	Sr	Th	Ti	Tl	U
1	ICV	5.048	5.102	-.0143	4.997	4.876	10.05
2	ICB	-.0157	-.0001	.0053	.0003	.0038	-.0473
3	ICSA	-.0098	-.0026	-.0003	.0016	-.0507	.0925
4	ICSAB	-.0186	-.0026	.0128	.0019	-.0337	.0520
5	PREPSTDTJA	4.880	4.899	-.0112	4.106	4.549	9.662
6	PREPBLKTJA	-.0314	.0007	.0084	-.0002	-.0036	-.1103

Analysis Report Averages Fri 03-29-96 03:20:27 PM page 5

#	Sample Name	Sm	Sr	Th	Ti	Tl	U
7	S96T000788_L	-.1470	.0231	.1565	.0240	-.1468	1.098
8	S96T000788	-.0453	.0240	.1732	.0222	.0414	1.353
9	S96T000788_D	-.0182	.0272	.1832	.0255	.0208	1.638
10	S96T000788_S	4.823	4.855	.1612	3.949	4.471	11.15
11	CCV	5.219	5.283	-.0127	5.136	4.974	10.39
12	CCB	-.0168	-.0001	.0125	.0005	-.0105	-.0523
13	S96T000789_L	-.2567	.0107	.1751	.0100	-.1947	.0902
14	S96T000789	-.0568	.0131	.1325	.0102	.0011	.7148
15	S96T000789_D	-.0384	.0097	.0980	.0097	-.0163	.5511
16	S96T000790_L	-.1932	.0011	.0632	.0050	-.2130	-.3701
17	S96T000790	-.0586	.0018	.0346	.0011	-.0058	-.1027
18	S96T000790_D	-.0369	.0026	.0370	.0020	-.0371	-.0124
19	CCV	5.197	5.264	-.0139	5.123	5.052	10.35
20	CCB	-.0323	-.0004	.0115	.0005	-.0089	-.1055
21	S96T000791_L	-.3173	-.0021	.1377	-.0017	-.1115	-1.112
22	S96T000791	-.0721	.0016	.0332	.0011	-.0304	-.1548
23	S96T000791_D	-.0484	.0017	.0204	.0005	-.0356	-.0847
24	ICSA	-.0171	-.0026	.0057	.0014	-.0061	.0540
25	ICSAB	-.0176	-.0025	.0209	.0022	-.0068	.0282
26	CCV	5.117	5.180	-.0146	5.071	4.912	10.16
27	CCB	-.0015	.0001	.0043	.0007	.0037	.0112

#	Sample Name	V	Y	Zn	Zr
1	ICV	5.108	.0050	5.004	5.027
2	ICB	-.0027	-.0006	.0005	-.0021
3	ICSA	-.0021	.0066	-.0024	-.0045
4	ICSAB	.4784	.0066	.9676	-.0059
5	PREPSTDTJA	4.755	.0035	4.519	3.869
6	PREPBLKTJA	-.0046	-.0012	.0056	-.0033
7	S96T000788_L	-.0076	.0105	.2269	.0678
8	S96T000788	.0050	.0129	.2300	.0747
9	S96T000788_D	.0127	.0158	.2750	.0841
10	S96T000788_S	4.704	.0204	4.803	3.453
11	CCV	5.266	.0055	5.124	5.210
12	CCB	-.0027	-.0006	-.0001	-.0027
13	S96T000789_L	-.0345	.0007	.1691	.0218
14	S96T000789	-.0048	.0083	.1717	.0447
15	S96T000789_D	-.0009	.0065	.1269	.0427
16	S96T000790_L	-.0253	-.0061	.0628	-.0150
17	S96T000790	-.0078	-.0012	.0654	-.0019
18	S96T000790_D	-.0062	-.0001	.0738	.0013
19	CCV	5.276	.0060	5.161	5.203
20	CCB	-.0057	-.0012	.0005	-.0039
21	S96T000791_L	-.0588	-.0129	.0628	-.0409
22	S96T000791	-.0117	-.0018	.0641	-.0003
23	S96T000791_D	-.0078	-.0006	.0617	.0020
24	ICSA	-.0041	.0065	-.0018	-.0057
25	ICSAB	.4925	.0067	.9879	-.0064
26	CCV	5.204	.0060	5.108	5.117
27	CCB	-.0002	.0000	.0001	-.0003

LABCORE Data Entry Template for Worklist# 7021

Analyst: N Sato **Instrument:** ICP01 4-15-96 **Book#** 53B488

Method: LA-505-151/161 Rev/Mod B-0

Worklist Comment: ICP U-107 (DIRECT)

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	ICV				@ICP-QC	QC		
2	ICB				@ICP-QC	QC		
3	ICSA				@ICP-QC	QC		
4	ICSAB				@ICP-QC	QC		
5	SERDIL	S96T001110	0	D	@ICP-D01	LIQUID		
6	SAMPLE	S96T001110	0	D	@ICP-D01	LIQUID	96000126	U-107
	Analytes Requested:	AG-D-01 , AL-D-01 , AS-D-01 , B-D-01 , BA-D-01 , BE-D-01 , BI-D-01 , CA-D-01 , CD-D-01 , CE-D-01 , CO-D-01 , CR-D-01 , CU-D-01 , FE-D-01 , K-D-01 , LA-D-01 , LI-D-01 , MG-D-01 , MN-D-01 , MO-D-01 , NA-D-01 , ND-D-01 , NI-D-01 , P-D-01 , PB-D-01 , S-D-01 , SB-D-01 , SE-D-01 , SI-D-01 , SM-D-01 , SR-D-01 , TI-D-01 , TL-D-01 , U-D-01 , V-D-01 , ZN-D-01 , ZR-D-01						
7	DUP	S96T001110	0	D	@ICP-D01	LIQUID		
8	SPK	S96T001110	0	D	@ICP-D01	LIQUID		
9	SERDIL	S96T001119	0	D	@ICP-D01	LIQUID		
10	SAMPLE	S96T001119	0	D	@ICP-D01	LIQUID	96000126	U-107
	Analytes Requested:	AG-D-01 , AL-D-01 , AS-D-01 , B-D-01 , BA-D-01 , BE-D-01 , BI-D-01 , CA-D-01 , CD-D-01 , CE-D-01 , CO-D-01 , CR-D-01 , CU-D-01 , FE-D-01 , K-D-01 , LA-D-01 , LI-D-01 , MG-D-01 , MN-D-01 , MO-D-01 , NA-D-01 , ND-D-01 , NI-D-01 , P-D-01 , PB-D-01 , S-D-01 , SB-D-01 , SE-D-01 , SI-D-01 , SM-D-01 , SR-D-01 , TI-D-01 , TL-D-01 , U-D-01 , V-D-01 , ZN-D-01 , ZR-D-01						
11	DUP	S96T001119	0	D	@ICP-D01	LIQUID		
12	SPK	S96T001119	0	D	@ICP-D01	LIQUID		

Data Entry Comments:

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

LABCORE Data Entry Template for Worklist# 7021

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
13	CCV				@ICP-QC	QC		
14	CCB				@ICP-QC	QC		
15	SERDIL	S96T001120	0	D	@ICP-D01	LIQUID		
16	SAMPLE	S96T001120	0	D	@ICP-D01	LIQUID	96000126	U-107

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

17	DUP	S96T001120	0	D	@ICP-D01	LIQUID		
18	SPK	S96T001120	0	D	@ICP-D01	LIQUID		
19	SERDIL	S96T001121	0	D	@ICP-D01	LIQUID		
20	SAMPLE	S96T001121	0	D	@ICP-D01	LIQUID	96000126	U-107

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

21	DUP	S96T001121	0	D	@ICP-D01	LIQUID		
22	SPK	S96T001121	0	D	@ICP-D01	LIQUID		
23	ICSA				@ICP-QC	QC		
24	ICSAB				@ICP-QC	QC		
25	CCV				@ICP-QC	QC		
26	CCB				@ICP-QC	QC		

Data Entry Comments:

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

LABCORE Data Entry Template for Worklist# 7021

S Type	Sample#	R	A	Test	Matrix	Group#	Project

Final page for worklist # 7021

Analyst Signature: [signature] Date: 04-15-96

Reviewed by: [signature] Analyst Signature Date: 4/16/96

96T001110_L, 2-10-2-8, DF30
96T001110 2-10 6
96T001110_D 2-10 6
96T001110_G 2-10 6, 2ml sample + 2.4ml SSTS + 7.6ml HNO_3

96T001119_L, .025-15-2-8, DF3005
96T001119 .025-15 601
96T001119_D .025-15 601
96T001119_G .025-15 601, .025ml sample + 3ml SSTS + 12ml HNO_3

96T001120_L, .1-10-2-8, DF505
96T001120 .1-10 101
96T001120_D .1-10 101
96T001120_G .1-10 101, .1ml sample + 2ml SSTS + 8ml HNO_3

96T001121_L, .25-10-2-8, DF205
96T001121 .25-10 41
96T001121_D .25-10 41
96T001121_G .25-10 41, .25ml sample + 2.05ml SSTS + 7.25ml HNO_3

Data Entry Comments:

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

LABCORE Completed Worklist Report for Worklist# 7021

Analyst: dks **Instrument:** ICP02 **Book#** 53B 48B

Method: LA-505-161 Rev/Mod B-0

Worklist Comment: ICP U-107 (DIRECT)

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
1	ICV	0			@ICP-QC AG	QC	5.0	5.02e+00	100.400	% Recovery
1	ICV	0			@ICP-QC AL	QC	5.0	4.95e+00	99.000	% Recovery
1	ICV	0			@ICP-QC AS	QC	5.0	5.14e+00	102.800	% Recovery
1	ICV	0			@ICP-QC B	QC	5.0	5.03e+00	100.600	% Recovery
1	ICV	0			@ICP-QC BA	QC	5.0	5.18e+00	103.600	% 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	5.14e+00	102.800	% Recovery
1	ICV	0			@ICP-QC CA	QC	5.0	5.17e+00	103.400	% Recovery
1	ICV	0			@ICP-QC CD	QC	5.0	5.10e+00	102.000	% Recovery
1	ICV	0			@ICP-QC CE	QC	5.0	5.26e+00	105.200	% Recovery
1	ICV	0			@ICP-QC CO	QC	5.0	5.12e+00	102.400	% Recovery
1	ICV	0			@ICP-QC CR	QC	5.0	5.16e+00	103.200	% Recovery
1	ICV	0			@ICP-QC CU	QC	5.0	5.21e+00	104.200	% Recovery
1	ICV	0			@ICP-QC FE	QC	5.0	5.11e+00	102.200	% Recovery
1	ICV	0			@ICP-QC K	QC	5.0	5.08e+00	101.600	% Recovery
1	ICV	0			@ICP-QC LA	QC	5.0	5.17e+00	103.400	% Recovery
1	ICV	0			@ICP-QC LI	QC	5.0	5.06e+00	101.200	% Recovery
1	ICV	0			@ICP-QC MG	QC	5.0	4.91e+00	98.200	% Recovery
1	ICV	0			@ICP-QC MN	QC	5.0	5.04e+00	100.800	% Recovery
1	ICV	0			@ICP-QC MO	QC	5.0	5.11e+00	102.200	% Recovery
1	ICV	0			@ICP-QC NA	QC	5.0	5.03e+00	100.600	% Recovery
1	ICV	0			@ICP-QC ND	QC	5.0	5.23e+00	104.600	% Recovery
1	ICV	0			@ICP-QC NI	QC	5.0	5.07e+00	101.400	% Recovery
1	ICV	0			@ICP-QC P	QC	5.0	5.02e+00	100.400	% Recovery
1	ICV	0			@ICP-QC PB	QC	5.0	5.11e+00	102.200	% 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	4.83e+00	96.600	% Recovery
1	ICV	0			@ICP-QC SE	QC	5.0	4.96e+00	99.200	% Recovery
1	ICV	0			@ICP-QC SI	QC	5.0	4.84e+00	96.800	% Recovery
1	ICV	0			@ICP-QC SM	QC	5.0	5.04e+00	100.800	% Recovery
1	ICV	0			@ICP-QC SR	QC	5.0	5.09e+00	101.800	% Recovery
1	ICV	0			@ICP-QC TI	QC	5.0	4.95e+00	99.000	% Recovery
1	ICV	0			@ICP-QC TL	QC	5.00	4.91e+00	98.200	% Recovery
1	ICV	0			@ICP-QC U	QC	10.	9.92e+00	99.200	% Recovery
1	ICV	0			@ICP-QC V	QC	5.0	5.11e+00	102.200	% 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	5.04e+00	100.800	% 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# 7021

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	ICSA		0		●ICP-QC	AG	QC	1	<1.00e-2		ug/g
3	ICSA		0		●ICP-QC	AL	QC	250	2.42e+02	96.800	% Recovery
3	ICSA		0		●ICP-QC	AS	QC	1.0	<1.00e-1		ug/g
3	ICSA		0		●ICP-QC	B	QC	1	<5.00e-2		ug/g
3	ICSA		0		●ICP-QC	BA	QC	1	<5.00e-2		ug/g
3	ICSA		0		●ICP-QC	BE	QC	1	<5.00e-3		ug/g
3	ICSA		0		●ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
3	ICSA		0		●ICP-QC	CA	QC	250	2.57e+02	102.800	% Recovery
3	ICSA		0		●ICP-QC	CD	QC	1	<5.00e-3		ug/g
3	ICSA		0		●ICP-QC	CE	QC	1	<1.00e-1		ug/g
3	ICSA		0		●ICP-QC	CO	QC	1	<2.00e-2		ug/g
3	ICSA		0		●ICP-QC	CR	QC	1	<1.00e-2		ug/g
3	ICSA		0		●ICP-QC	CU	QC	1	<1.00e-2		ug/g
3	ICSA		0		●ICP-QC	FE	QC	100	9.46e+01	94.600	% Recovery
3	ICSA		0		●ICP-QC	K	QC	1	<5.00e-1		ug/g
3	ICSA		0		●ICP-QC	LA	QC	1.0	<5.00e-2		ug/g

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

LABCORE Completed Worklist Report for Worklist# 7021

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
3	ICSA	0		●ICP-QC	LI	QC	1	<1.00e-2		ug/g
3	ICSA	0		●ICP-QC	MG	QC	250	2.45e+02	98.000	% Recovery
3	ICSA	0		●ICP-QC	MN	QC	1.0	<1.00e-2		ug/g
3	ICSA	0		●ICP-QC	MO	QC	1	<5.00e-2		ug/g
3	ICSA	0		●ICP-QC	NA	QC	200	2.01e+02	100.500	% Recovery
3	ICSA	0		●ICP-QC	ND	QC	1	<1.00e-1		ug/g
3	ICSA	0		●ICP-QC	NI	QC	1	<2.00e-2		ug/g
3	ICSA	0		●ICP-QC	P	QC	1.0	<2.00e-1		ug/g
3	ICSA	0		●ICP-QC	PB	QC	1	<1.00e-1		ug/g
3	ICSA	0		●ICP-QC	S	QC	1.0	<1.00e-1		ug/g
3	ICSA	0		●ICP-QC	SB	QC	1	<6.00e-2		ug/g
3	ICSA	0		●ICP-QC	SE	QC	1	<1.00e-1		ug/g
3	ICSA	0		●ICP-QC	SI	QC	1	<5.00e-2		ug/g
3	ICSA	0		●ICP-QC	SM	QC	1	<1.00e-1		ug/g
3	ICSA	0		●ICP-QC	SR	QC	1	<1.00e-2		ug/g
3	ICSA	0		●ICP-QC	TI	QC	1	<1.00e-2		ug/g
3	ICSA	0		●ICP-QC	TL	QC	1.0	<2.00e-1		ug/g
3	ICSA	0		●ICP-QC	U	QC	1	<5.00e-1		ug/g
3	ICSA	0		●ICP-QC	V	QC	1	<5.00e-2		ug/g
3	ICSA	0		●ICP-QC	ZN	QC	1.0	<1.00e-2		ug/g
3	ICSA	0		●ICP-QC	ZR	QC	1	<1.00e-2		ug/g
4	ICSAB	0		●ICP-QC	AG	QC	1.0	9.88e-01	98.800	% Recovery
4	ICSAB	0		●ICP-QC	AL	QC	250	2.43e+02	97.200	% Recovery
4	ICSAB	0		●ICP-QC	AS	QC	1.0	<1.00e-1		ug/g
4	ICSAB	0		●ICP-QC	B	QC	1.0	<5.00e-2		ug/g
4	ICSAB	0		●ICP-QC	BA	QC	0.5	5.10e-01	102.000	% Recovery
4	ICSAB	0		●ICP-QC	BE	QC	0.5	4.95e-01	99.000	% Recovery
4	ICSAB	0		●ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
4	ICSAB	0		●ICP-QC	CA	QC	250	2.54e+02	101.600	% Recovery
4	ICSAB	0		●ICP-QC	CD	QC	1.0	9.70e-01	97.000	% Recovery
4	ICSAB	0		●ICP-QC	CE	QC	1.0	<1.00e-1		ug/g
4	ICSAB	0		●ICP-QC	CO	QC	0.5	4.79e-01	95.800	% Recovery
4	ICSAB	0		●ICP-QC	CR	QC	0.5	4.89e-01	97.800	% Recovery
4	ICSAB	0		●ICP-QC	CU	QC	0.5	5.00e-01	100.000	% Recovery
4	ICSAB	0		●ICP-QC	FE	QC	100	9.43e+01	94.300	% Recovery
4	ICSAB	0		●ICP-QC	K	QC	1.0	<5.00e-1		ug/g
4	ICSAB	0		●ICP-QC	LA	QC	1.0	<5.00e-2		ug/g
4	ICSAB	0		●ICP-QC	LI	QC	1.0	1.02e+00	102.000	% Recovery
4	ICSAB	0		●ICP-QC	MG	QC	250	2.46e+02	98.400	% Recovery
4	ICSAB	0		●ICP-QC	MN	QC	0.5	4.61e-01	92.200	% Recovery
4	ICSAB	0		●ICP-QC	MO	QC	1.0	<5.00e-2		ug/g
4	ICSAB	0		●ICP-QC	NA	QC	200	2.02e+02	101.000	% Recovery
4	ICSAB	0		●ICP-QC	ND	QC	1.0	<1.00e-1		ug/g
4	ICSAB	0		●ICP-QC	NI	QC	1.0	9.47e-01	94.700	% Recovery
4	ICSAB	0		●ICP-QC	P	QC	1.0	<2.00e-1		ug/g
4	ICSAB	0		●ICP-QC	PB	QC	1.0	1.04e+00	104.000	% Recovery
4	ICSAB	0		●ICP-QC	S	QC	1.0	<1.00e-1		ug/g
4	ICSAB	0		●ICP-QC	SB	QC	1.0	<6.00e-2		ug/g
4	ICSAB	0		●ICP-QC	SE	QC	1.0	<1.00e-1		ug/g

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

LABCORE Completed Worklist Report for Worklist# 7021

Seq	Type	Sample#	R	A		Test	Matrix	Actual		Found	DL or Yield	Unit
4	ICSAB		0		●ICP-QC	SI	QC	1.0		<5.00e-2		ug/g
4	ICSAB		0		●ICP-QC	SM	QC	1.0		<1.00e-1		ug/g
4	ICSAB		0		●ICP-QC	SR	QC	1.0		<1.00e-2		ug/g
4	ICSAB		0		●ICP-QC	TI	QC	1.0		<1.00e-2		ug/g
4	ICSAB		0		●ICP-QC	TL	QC	1.0		<2.00e-1		ug/g
4	ICSAB		0		●ICP-QC	U	QC	1.0		<5.00e-1		ug/g
4	ICSAB		0		●ICP-QC	V	QC	0.5		4.78e-01	95.600	% Recovery
4	ICSAB		0		●ICP-QC	ZN	QC	1.0		9.77e-01	97.700	% Recovery
4	ICSAB		0		●ICP-QC	ZR	QC	1.0		<1.00e-2		ug/g
5	SAMPLE	S96T001110	0	D	●ICP-D01	AG-D-01	LIQUID	N/A		1.68e-01	6.000e-002	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	AL-D-01	LIQUID	N/A		7.65e+01	0.300	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	AS-D-01	LIQUID	N/A	<	6.00e-01	0.600	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	B-D-01	LIQUID	N/A		3.72e+00	0.300	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	BA-D-01	LIQUID	N/A	<	3.00e-01	0.300	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	BE-D-01	LIQUID	N/A	<	3.00e-02	3.000e-002	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	BI-D-01	LIQUID	N/A	<	6.00e-01	0.600	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	CA-D-01	LIQUID	N/A		3.03e+00	0.600	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	CD-D-01	LIQUID	N/A		3.26e-01	3.000e-002	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	CE-D-01	LIQUID	N/A	<	6.00e-01	0.600	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	CO-D-01	LIQUID	N/A	<	1.20e-01	0.120	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	CR-D-01	LIQUID	N/A		2.17e+00	6.000e-002	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	CU-D-01	LIQUID	N/A		7.92e-01	6.000e-002	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	FE-D-01	LIQUID	N/A		1.51e+00	0.300	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	K-D-01	LIQUID	N/A		5.79e+01	3.000	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	LA-D-01	LIQUID	N/A	<	3.00e-01	0.300	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	LI-D-01	LIQUID	N/A		5.65e+02	6.000e-002	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	MG-D-01	LIQUID	N/A		7.25e-01	0.600	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	MN-D-01	LIQUID	N/A		1.18e-01	6.000e-002	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	MO-D-01	LIQUID	N/A		1.07e+00	0.300	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	NA-D-01	LIQUID	N/A		2.39e+03	0.600	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	ND-D-01	LIQUID	N/A	<	6.00e-01	0.600	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	NI-D-01	LIQUID	N/A		7.77e-01	0.120	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	P-D-01	LIQUID	N/A		1.70e+01	1.200	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	PB-D-01	LIQUID	N/A	<	6.00e-01	0.600	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	S-D-01	LIQUID	N/A		4.78e+01	0.600	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	SB-D-01	LIQUID	N/A	<	3.60e-01	0.360	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	SE-D-01	LIQUID	N/A		6.87e-01	0.600	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	SI-D-01	LIQUID	N/A		3.32e+01	0.300	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	SM-D-01	LIQUID	N/A	<	6.00e-01	0.600	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	SR-D-01	LIQUID	N/A	<	6.00e-02	6.000e-002	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	TI-D-01	LIQUID	N/A	<	6.00e-02	6.000e-002	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	TL-D-01	LIQUID	N/A	<	1.20e+00	1.200	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	U-D-01	LIQUID	N/A	<	3.00e+00	3.000	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	V-D-01	LIQUID	N/A	<	3.00e-01	0.300	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	ZN-D-01	LIQUID	N/A		1.16e+00	6.000e-002	ug/mL
5	SAMPLE	S96T001110	0	D	●ICP-D01	ZR-D-01	LIQUID	N/A	<	6.00e-02	6.000e-002	ug/mL
6	DUP	S96T001110	0	D	●ICP-D01	AG-D-01	LIQUID	1.68e-01		1.68e-01	0.000	RPD
6	DUP	S96T001110	0	D	●ICP-D01	AL-D-01	LIQUID	7.65e+01		7.63e+01	0.260	RPD
6	DUP	S96T001110	0	D	●ICP-D01	AS-D-01	LIQUID	<6.00e-1		<6.00e-1		RPD

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

LABCORE Completed Worklist Report for Worklist# 7021

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
6	DUP	S96T001110	0	D	●ICP-D01 B-D-01	LIQUID	3.72e+00	3.75e+00	0.800	RPD
6	DUP	S96T001110	0	D	●ICP-D01 BA-D-01	LIQUID	<3.00e-1	<3.00e-1		RPD
6	DUP	S96T001110	0	D	●ICP-D01 BE-D-01	LIQUID	<3.00e-2	<3.00e-2		RPD
6	DUP	S96T001110	0	D	●ICP-D01 BI-D-01	LIQUID	<6.00e-1	<6.00e-1		RPD
6	DUP	S96T001110	0	D	●ICP-D01 CA-D-01	LIQUID	3.03e+00	2.90e+00	4.380	RPD
6	DUP	S96T001110	0	D	●ICP-D01 CD-D-01	LIQUID	3.26e-01	3.12e-01	4.390	RPD
6	DUP	S96T001110	0	D	●ICP-D01 CE-D-01	LIQUID	<6.00e-1	<6.00e-1		RPD
6	DUP	S96T001110	0	D	●ICP-D01 CO-D-01	LIQUID	<1.20e-1	<1.20e-1		RPD
6	DUP	S96T001110	0	D	●ICP-D01 CR-D-01	LIQUID	2.17e+00	2.17e+00	0.000	RPD
6	DUP	S96T001110	0	D	●ICP-D01 CU-D-01	LIQUID	7.92e-01	7.91e-01	0.130	RPD
6	DUP	S96T001110	0	D	●ICP-D01 FE-D-01	LIQUID	1.51e+00	1.52e+00	0.660	RPD
6	DUP	S96T001110	0	D	●ICP-D01 K-D-01	LIQUID	5.79e+01	5.88e+01	1.540	RPD
6	DUP	S96T001110	0	D	●ICP-D01 LA-D-01	LIQUID	<3.00e-1	<3.00e-1		RPD
6	DUP	S96T001110	0	D	●ICP-D01 LI-D-01	LIQUID	5.65e+02	5.62e+02	0.530	RPD
6	DUP	S96T001110	0	D	●ICP-D01 MG-D-01	LIQUID	7.25e-01	7.57e-01	4.320	RPD
6	DUP	S96T001110	0	D	●ICP-D01 MN-D-01	LIQUID	1.18e-01	1.18e-01	0.000	RPD
6	DUP	S96T001110	0	D	●ICP-D01 MO-D-01	LIQUID	1.07e+00	1.08e+00	0.930	RPD
6	DUP	S96T001110	0	D	●ICP-D01 NA-D-01	LIQUID	2.39e+03	2.38e+03	0.420	RPD
6	DUP	S96T001110	0	D	●ICP-D01 ND-D-01	LIQUID	<6.00e-1	<6.00e-1		RPD
6	DUP	S96T001110	0	D	●ICP-D01 NI-D-01	LIQUID	7.77e-01	7.37e-01	5.280	RPD
6	DUP	S96T001110	0	D	●ICP-D01 P-D-01	LIQUID	1.70e+01	1.68e+01	1.180	RPD
6	DUP	S96T001110	0	D	●ICP-D01 PB-D-01	LIQUID	<6.00e-1	<6.00e-1		RPD
6	DUP	S96T001110	0	D	●ICP-D01 S-D-01	LIQUID	4.78e+01	4.77e+01	0.210	RPD
6	DUP	S96T001110	0	D	●ICP-D01 SB-D-01	LIQUID	<3.60e-1	<3.60e-1		RPD
6	DUP	S96T001110	0	D	●ICP-D01 SE-D-01	LIQUID	6.87e-01	7.16e-01	4.130	RPD
6	DUP	S96T001110	0	D	●ICP-D01 SI-D-01	LIQUID	3.32e+01	3.33e+01	0.300	RPD
6	DUP	S96T001110	0	D	●ICP-D01 SM-D-01	LIQUID	<6.00e-1	<6.00e-1		RPD
6	DUP	S96T001110	0	D	●ICP-D01 SR-D-01	LIQUID	<6.00e-2	<6.00e-2		RPD
6	DUP	S96T001110	0	D	●ICP-D01 TL-D-01	LIQUID	<1.20e0	<1.20e0		RPD
6	DUP	S96T001110	0	D	●ICP-D01 U-D-01	LIQUID	<3.00e0	<3.00e0		RPD
6	DUP	S96T001110	0	D	●ICP-D01 V-D-01	LIQUID	<3.00e-1	<3.00e-1		RPD
6	DUP	S96T001110	0	D	●ICP-D01 ZN-D-01	LIQUID	1.16e+00	1.13e+00	2.620	RPD
6	DUP	S96T001110	0	D	●ICP-D01 ZR-D-01	LIQUID	<6.00e-2	<6.00e-2		RPD
6	DUP	S96T001110	0	D	●ICP-D01 TI-D-01	LIQUID	<6.00e-2	<6.00e-2		RPD
7	SPK	S96T001110	0	D	●ICP-D01 AG-D-01	LIQUID	1	0.058	5.800	% Recovery
7	SPK	S96T001110	0	D	●ICP-D01 AL-D-01	LIQUID	1	0.969	96.900	% Recovery
7	SPK	S96T001110	0	D	●ICP-D01 AS-D-01	LIQUID	1	<1.00e-1		% Recovery
7	SPK	S96T001110	0	D	●ICP-D01 B-D-01	LIQUID	1	0.996	99.600	% Recovery
7	SPK	S96T001110	0	D	●ICP-D01 BA-D-01	LIQUID	1	1.038	103.800	% Recovery
7	SPK	S96T001110	0	D	●ICP-D01 BE-D-01	LIQUID	1	1.048	104.800	% Recovery
7	SPK	S96T001110	0	D	●ICP-D01 BI-D-01	LIQUID	1	0.943	94.300	% Recovery
7	SPK	S96T001110	0	D	●ICP-D01 CA-D-01	LIQUID	1	1.042	104.200	% Recovery
7	SPK	S96T001110	0	D	●ICP-D01 CD-D-01	LIQUID	1	0.991	99.100	% Recovery
7	SPK	S96T001110	0	D	●ICP-D01 CE-D-01	LIQUID	1	1.137	113.700	% Recovery
7	SPK	S96T001110	0	D	●ICP-D01 CO-D-01	LIQUID	1	1.025	102.500	% Recovery
7	SPK	S96T001110	0	D	●ICP-D01 CR-D-01	LIQUID	1	1.032	103.200	% Recovery
7	SPK	S96T001110	0	D	●ICP-D01 CU-D-01	LIQUID	1	1.051	105.100	% Recovery
7	SPK	S96T001110	0	D	●ICP-D01 FE-D-01	LIQUID	1	1.016	101.600	% Recovery
7	SPK	S96T001110	0	D	●ICP-D01 K-D-01	LIQUID	1	0.999	99.900	% Recovery

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

LABCORE Completed Worklist Report for Worklist# 7021

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
7	SPK	S96T001110	0	D	@ICP-D01 LA-D-01	LIQUID	1	1.050	105.000	% Recovery
7	SPK	S96T001110	0	D	@ICP-D01 LI-D-01	LIQUID	1	0.679	67.900	% Recovery
7	SPK	S96T001110	0	D	@ICP-D01 MG-D-01	LIQUID	1	0.947	94.700	% Recovery
7	SPK	S96T001110	0	D	@ICP-D01 MN-D-01	LIQUID	1	0.974	97.400	% Recovery
7	SPK	S96T001110	0	D	@ICP-D01 MO-D-01	LIQUID	1	1.000	100.000	% Recovery
7	SPK	S96T001110	0	D	@ICP-D01 NA-D-01	LIQUID	1	<1.00e-1		% Recovery
7	SPK	S96T001110	0	D	@ICP-D01 ND-D-01	LIQUID	1	1.065	106.500	% Recovery
7	SPK	S96T001110	0	D	@ICP-D01 NI-D-01	LIQUID	1	0.997	99.700	% Recovery
7	SPK	S96T001110	0	D	@ICP-D01 P-D-01	LIQUID	1	1.050	105.000	% Recovery
7	SPK	S96T001110	0	D	@ICP-D01 PB-D-01	LIQUID	1	0.942	94.200	% Recovery
7	SPK	S96T001110	0	D	@ICP-D01 S-D-01	LIQUID	1	0.917	91.700	% Recovery
7	SPK	S96T001110	0	D	@ICP-D01 SB-D-01	LIQUID	1	0.973	97.300	% Recovery
7	SPK	S96T001110	0	D	@ICP-D01 SE-D-01	LIQUID	1	1.139	113.900	% Recovery
7	SPK	S96T001110	0	D	@ICP-D01 SI-D-01	LIQUID	1	3.216	321.600	% Recovery
7	SPK	S96T001110	0	D	@ICP-D01 SM-D-01	LIQUID	1	0.993	99.300	% Recovery
7	SPK	S96T001110	0	D	@ICP-D01 SR-D-01	LIQUID	1	1.033	103.300	% Recovery
7	SPK	S96T001110	0	D	@ICP-D01 TL-D-01	LIQUID	1	0.797	79.700	% Recovery
7	SPK	S96T001110	0	D	@ICP-D01 U-D-01	LIQUID	2	2.050	102.500	% Recovery
7	SPK	S96T001110	0	D	@ICP-D01 V-D-01	LIQUID	1	1.023	102.300	% Recovery
7	SPK	S96T001110	0	D	@ICP-D01 ZN-D-01	LIQUID	1	0.969	96.900	% Recovery
7	SPK	S96T001110	0	D	@ICP-D01 ZR-D-01	LIQUID	1	1.000	100.000	% Recovery
7	SPK	S96T001110	0	D	@ICP-D01 TI-D-01	LIQUID	1	0.988	98.800	% Recovery
8	SAMPLE	S96T001119	0	D	@ICP-D01 AG-D-01	LIQUID	N/A	1.61e+01	6.010	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 AL-D-01	LIQUID	N/A	2.70e+04	30.100	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 AS-D-01	LIQUID	N/A <	6.01e+01	60.100	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 B-D-01	LIQUID	N/A	7.95e+01	30.100	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 BA-D-01	LIQUID	N/A <	3.01e+01	30.100	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 BE-D-01	LIQUID	N/A <	3.00e+00	3.000	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 BI-D-01	LIQUID	N/A <	6.01e+01	60.100	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 CA-D-01	LIQUID	N/A	8.60e+01	60.100	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 CD-D-01	LIQUID	N/A <	3.00e+00	3.000	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 CE-D-01	LIQUID	N/A <	6.01e+01	60.100	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 CO-D-01	LIQUID	N/A <	1.20e+01	12.000	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 CR-D-01	LIQUID	N/A	1.64e+02	6.010	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 CU-D-01	LIQUID	N/A <	6.01e+00	6.010	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 FE-D-01	LIQUID	N/A <	3.01e+01	30.100	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 K-D-01	LIQUID	N/A	3.64e+03	300.000	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 LA-D-01	LIQUID	N/A <	3.01e+01	30.100	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 LI-D-01	LIQUID	N/A <	6.01e+00	6.010	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 MG-D-01	LIQUID	N/A <	6.01e+01	60.100	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 MN-D-01	LIQUID	N/A <	6.01e+00	6.010	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 MO-D-01	LIQUID	N/A	1.01e+02	30.100	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 NA-D-01	LIQUID	N/A	2.26e+05	60.100	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 ND-D-01	LIQUID	N/A <	6.01e+01	60.100	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 NI-D-01	LIQUID	N/A	1.45e+01	12.000	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 P-D-01	LIQUID	N/A	1.08e+03	120.000	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 PB-D-01	LIQUID	N/A <	6.01e+01	60.100	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 S-D-01	LIQUID	N/A	1.50e+03	60.100	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01 SB-D-01	LIQUID	N/A <	3.61e+01	36.100	ug/mL

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

LABCORE Completed Worklist Report for Worklist# 7021

Seq	Type	Sample#	R	A		Test	Matrix	Actual		Found	DL or Yield	Unit
8	SAMPLE	S96T001119	0	D	@ICP-D01	SE-D-01	LIQUID	N/A	<	6.01e+01	60.100	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01	SI-D-01	LIQUID	N/A		2.10e+02	30.100	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01	SM-D-01	LIQUID	N/A	<	6.01e+01	60.100	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01	SR-D-01	LIQUID	N/A	<	6.01e+00	6.010	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01	TI-D-01	LIQUID	N/A	<	6.01e+00	6.010	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01	TL-D-01	LIQUID	N/A	<	1.20e+02	120.000	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01	U-D-01	LIQUID	N/A	<	3.00e+02	300.000	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01	V-D-01	LIQUID	N/A	<	3.01e+01	30.100	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01	ZN-D-01	LIQUID	N/A		1.52e+01	6.010	ug/mL
8	SAMPLE	S96T001119	0	D	@ICP-D01	ZR-D-01	LIQUID	N/A	<	6.01e+00	6.010	ug/mL
9	DUP	S96T001119	0	D	@ICP-D01	AG-D-01	LIQUID	1.61e+01		1.60e+01	0.620	RPD
9	DUP	S96T001119	0	D	@ICP-D01	AL-D-01	LIQUID	2.70e+04		2.68e+04	0.740	RPD
9	DUP	S96T001119	0	D	@ICP-D01	AS-D-01	LIQUID	<6.01e1		<6.01e1		RPD
9	DUP	S96T001119	0	D	@ICP-D01	B-D-01	LIQUID	7.95e+01		7.82e+01	1.650	RPD
9	DUP	S96T001119	0	D	@ICP-D01	BA-D-01	LIQUID	<3.01e1		<3.01e1		RPD
9	DUP	S96T001119	0	D	@ICP-D01	BE-D-01	LIQUID	<3.00e0		<3.00e0		RPD
9	DUP	S96T001119	0	D	@ICP-D01	BI-D-01	LIQUID	<6.01e1		<6.01e1		RPD
9	DUP	S96T001119	0	D	@ICP-D01	CA-D-01	LIQUID	8.60e+01		8.31e+01	3.430	RPD
9	DUP	S96T001119	0	D	@ICP-D01	CD-D-01	LIQUID	<3.00e0		<3.00e0		RPD
9	DUP	S96T001119	0	D	@ICP-D01	CE-D-01	LIQUID	<6.01e1		<6.01e1		RPD
9	DUP	S96T001119	0	D	@ICP-D01	CO-D-01	LIQUID	<1.20e1		<1.20e1		RPD
9	DUP	S96T001119	0	D	@ICP-D01	CR-D-01	LIQUID	1.64e+02		1.64e+02	0.000	RPD
9	DUP	S96T001119	0	D	@ICP-D01	CU-D-01	LIQUID	<6.01e0		<6.01e0		RPD
9	DUP	S96T001119	0	D	@ICP-D01	FE-D-01	LIQUID	<3.01e1		<3.01e1		RPD
9	DUP	S96T001119	0	D	@ICP-D01	K-D-01	LIQUID	3.64e+03		3.63e+03	0.280	RPD
9	DUP	S96T001119	0	D	@ICP-D01	LA-D-01	LIQUID	<3.01e1		<3.01e1		RPD
9	DUP	S96T001119	0	D	@ICP-D01	LI-D-01	LIQUID	<6.01e0		<6.01e0		RPD
9	DUP	S96T001119	0	D	@ICP-D01	MG-D-01	LIQUID	<6.01e1		<6.01e1		RPD
9	DUP	S96T001119	0	D	@ICP-D01	MN-D-01	LIQUID	<6.01e0		<6.01e0		RPD
9	DUP	S96T001119	0	D	@ICP-D01	MO-D-01	LIQUID	1.01e+02		1.01e+02	0.000	RPD
9	DUP	S96T001119	0	D	@ICP-D01	NA-D-01	LIQUID	2.26e+05		2.25e+05	0.440	RPD
9	DUP	S96T001119	0	D	@ICP-D01	ND-D-01	LIQUID	<6.01e1		<6.01e1		RPD
9	DUP	S96T001119	0	D	@ICP-D01	NI-D-01	LIQUID	1.45e+01		1.48e+01	2.050	RPD
9	DUP	S96T001119	0	D	@ICP-D01	P-D-01	LIQUID	1.08e+03		1.08e+03	0.000	RPD
9	DUP	S96T001119	0	D	@ICP-D01	PB-D-01	LIQUID	<6.01e1		<6.01e1		RPD
9	DUP	S96T001119	0	D	@ICP-D01	S-D-01	LIQUID	1.50e+03		1.47e+03	2.020	RPD
9	DUP	S96T001119	0	D	@ICP-D01	SB-D-01	LIQUID	<3.61e1		<3.61e1		RPD
9	DUP	S96T001119	0	D	@ICP-D01	SE-D-01	LIQUID	<6.01e1		<6.01e1		RPD
9	DUP	S96T001119	0	D	@ICP-D01	SI-D-01	LIQUID	2.10e+02		1.85e+02	12.660	RPD
9	DUP	S96T001119	0	D	@ICP-D01	SM-D-01	LIQUID	<6.01e1		<6.01e1		RPD
9	DUP	S96T001119	0	D	@ICP-D01	SR-D-01	LIQUID	<6.01e0		<6.01e0		RPD
9	DUP	S96T001119	0	D	@ICP-D01	TL-D-01	LIQUID	<1.20e2		<1.20e2		RPD
9	DUP	S96T001119	0	D	@ICP-D01	U-D-01	LIQUID	<3.00e2		<3.00e2		RPD
9	DUP	S96T001119	0	D	@ICP-D01	V-D-01	LIQUID	<3.01e1		<3.01e1		RPD
9	DUP	S96T001119	0	D	@ICP-D01	ZN-D-01	LIQUID	1.52e+01		1.50e+01	1.320	RPD
9	DUP	S96T001119	0	D	@ICP-D01	ZR-D-01	LIQUID	<6.01e0		<6.01e0		RPD
9	DUP	S96T001119	0	D	@ICP-D01	TI-D-01	LIQUID	<6.01e0		<6.01e0		RPD
10	SPK	S96T001119	0	D	@ICP-D01	AG-D-01	LIQUID	1		0.508	50.800	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	AL-D-01	LIQUID	1		0.220	22.000	% Recovery

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

LABCORE Completed Worklist Report for Worklist# 7021

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
10	SPK	S96T001119	0	D	@ICP-D01	AS-D-01	LIQUID	1	0.994	99.400	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	B-D-01	LIQUID	1	1.023	102.300	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	BA-D-01	LIQUID	1	1.049	104.900	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	BE-D-01	LIQUID	1	1.062	106.200	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	BI-D-01	LIQUID	1	1.047	104.700	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	CA-D-01	LIQUID	1	1.049	104.900	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	CD-D-01	LIQUID	1	1.024	102.400	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	CE-D-01	LIQUID	1	1.084	108.400	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	CO-D-01	LIQUID	1	1.024	102.400	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	CR-D-01	LIQUID	1	1.031	103.100	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	CU-D-01	LIQUID	1	1.067	106.700	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	FE-D-01	LIQUID	1	1.038	103.800	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	K-D-01	LIQUID	1	0.857	85.700	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	LA-D-01	LIQUID	1	1.066	106.600	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	LI-D-01	LIQUID	1	1.054	105.400	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	MG-D-01	LIQUID	1	0.984	98.400	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	MN-D-01	LIQUID	1	0.984	98.400	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	MO-D-01	LIQUID	1	1.039	103.900	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	NA-D-01	LIQUID	1	<1.00e-1		% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	ND-D-01	LIQUID	1	1.079	107.900	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	NI-D-01	LIQUID	1	1.013	101.300	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	P-D-01	LIQUID	1	1.010	101.000	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	PB-D-01	LIQUID	1	1.039	103.900	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	S-D-01	LIQUID	1	0.948	94.800	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	SB-D-01	LIQUID	1	0.991	99.100	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	SE-D-01	LIQUID	1	1.016	101.600	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	SI-D-01	LIQUID	1	0.918	91.800	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	SM-D-01	LIQUID	1	1.009	100.900	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	SR-D-01	LIQUID	1	1.047	104.700	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	TL-D-01	LIQUID	1	0.981	98.100	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	U-D-01	LIQUID	2	1.942	97.100	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	V-D-01	LIQUID	1	1.029	102.900	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	ZN-D-01	LIQUID	1	1.024	102.400	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	ZR-D-01	LIQUID	1	1.021	102.100	% Recovery
10	SPK	S96T001119	0	D	@ICP-D01	TI-D-01	LIQUID	1	1.009	100.900	% Recovery
11	CCV		0		@ICP-QC	AG	QC	5.0	5.07e+00	101.400	% Recovery
11	CCV		0		@ICP-QC	AL	QC	5.0	5.10e+00	102.000	% Recovery
11	CCV		0		@ICP-QC	AS	QC	5.0	5.30e+00	106.000	% Recovery
11	CCV		0		@ICP-QC	B	QC	5.0	5.25e+00	105.000	% Recovery
11	CCV		0		@ICP-QC	BA	QC	5.0	5.35e+00	107.000	% Recovery
11	CCV		0		@ICP-QC	BE	QC	5.0	5.38e+00	107.600	% Recovery
11	CCV		0		@ICP-QC	BI	QC	5.0	5.27e+00	105.400	% Recovery
11	CCV		0		@ICP-QC	CA	QC	5.0	5.18e+00	103.600	% Recovery
11	CCV		0		@ICP-QC	CD	QC	5.0	5.10e+00	102.000	% Recovery
11	CCV		0		@ICP-QC	CE	QC	5.0	5.42e+00	108.400	% Recovery
11	CCV		0		@ICP-QC	CO	QC	5.0	5.12e+00	102.400	% Recovery
11	CCV		0		@ICP-QC	CR	QC	5.0	5.17e+00	103.400	% Recovery
11	CCV		0		@ICP-QC	CU	QC	5.0	5.44e+00	108.800	% Recovery
11	CCV		0		@ICP-QC	FE	QC	5.0	5.20e+00	104.000	% Recovery

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

LABCORE Completed Worklist Report for Worklist# 7021

Seq	Type	Sample#	R	A		Test	Matrix	Actual	Found	DL or Yield	Unit
11	CCV		0		@ICP-QC	K	QC	5.0	5.46e+00	109.200	% Recovery
11	CCV		0		@ICP-QC	LA	QC	5.0	5.34e+00	106.800	% Recovery
11	CCV		0		@ICP-QC	LI	QC	5.0	5.38e+00	107.600	% Recovery
11	CCV		0		@ICP-QC	MG	QC	5.0	5.06e+00	101.200	% Recovery
11	CCV		0		@ICP-QC	MN	QC	5.0	5.05e+00	101.000	% Recovery
11	CCV		0		@ICP-QC	MO	QC	5.0	5.14e+00	102.800	% Recovery
11	CCV		0		@ICP-QC	NA	QC	5.0	5.24e+00	104.800	% Recovery
11	CCV		0		@ICP-QC	ND	QC	5.0	5.44e+00	108.800	% Recovery
11	CCV		0		@ICP-QC	NI	QC	5.0	5.11e+00	102.200	% Recovery
11	CCV		0		@ICP-QC	P	QC	5.0	5.16e+00	103.200	% Recovery
11	CCV		0		@ICP-QC	PB	QC	5.0	5.03e+00	100.600	% Recovery
11	CCV		0		@ICP-QC	S	QC	5.0	5.04e+00	100.800	% Recovery
11	CCV		0		@ICP-QC	SB	QC	5.0	4.90e+00	98.000	% Recovery
11	CCV		0		@ICP-QC	SE	QC	5.0	5.09e+00	101.800	% Recovery
11	CCV		0		@ICP-QC	SI	QC	5.0	5.04e+00	100.800	% Recovery
11	CCV		0		@ICP-QC	SM	QC	5.0	5.22e+00	104.400	% Recovery
11	CCV		0		@ICP-QC	SR	QC	5.0	5.28e+00	105.600	% Recovery
11	CCV		0		@ICP-QC	TI	QC	5.0	5.07e+00	101.400	% Recovery
11	CCV		0		@ICP-QC	TL	QC	5.0	4.97e+00	99.400	% Recovery
11	CCV		0		@ICP-QC	U	QC	10.	1.03e+01	103.000	% Recovery
11	CCV		0		@ICP-QC	V	QC	5.0	5.19e+00	103.800	% Recovery
11	CCV		0		@ICP-QC	ZN	QC	5.0	5.07e+00	101.400	% Recovery
11	CCV		0		@ICP-QC	ZR	QC	5.0	5.14e+00	102.800	% 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

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

LABCORE Completed Worklist Report for Worklist# 7021

Seq	Type	Sample#	R	A		Test	Matrix	Actual		Found	DL or Yield	Unit
12	CCB		0		●ICP-QC	SB	QC	1		<6.00e-2		ug/g
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	S96T001120	0	D	●ICP-D01	AG-D-01	LIQUID	N/A		2.03e+00	1.010	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	AL-D-01	LIQUID	N/A		3.96e+02	5.050	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	AS-D-01	LIQUID	N/A	<	1.01e+01	10.100	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	B-D-01	LIQUID	N/A		2.52e+01	5.050	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	BA-D-01	LIQUID	N/A	<	5.05e+00	5.050	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	BE-D-01	LIQUID	N/A	<	5.05e-01	0.505	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	BI-D-01	LIQUID	N/A	<	1.01e+01	10.100	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	CA-D-01	LIQUID	N/A		3.03e+01	10.100	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	CD-D-01	LIQUID	N/A	<	5.05e-01	0.505	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	CE-D-01	LIQUID	N/A	<	1.01e+01	10.100	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	CO-D-01	LIQUID	N/A	<	2.02e+00	2.020	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	CR-D-01	LIQUID	N/A		7.93e+00	1.010	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	CU-D-01	LIQUID	N/A		4.24e+00	1.010	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	FE-D-01	LIQUID	N/A	<	5.05e+00	5.050	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	K-D-01	LIQUID	N/A		5.08e+02	50.500	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	LA-D-01	LIQUID	N/A	<	5.05e+00	5.050	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	LI-D-01	LIQUID	N/A		1.69e+03	1.010	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	MG-D-01	LIQUID	N/A	<	1.01e+01	10.100	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	MN-D-01	LIQUID	N/A	<	1.01e+00	1.010	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	MO-D-01	LIQUID	N/A		1.54e+01	5.050	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	NA-D-01	LIQUID	N/A		2.90e+04	10.100	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	ND-D-01	LIQUID	N/A	<	1.01e+01	10.100	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	NI-D-01	LIQUID	N/A		3.73e+00	2.020	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	P-D-01	LIQUID	N/A		4.77e+01	20.200	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	PB-D-01	LIQUID	N/A	<	1.01e+01	10.100	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	S-D-01	LIQUID	N/A		2.09e+02	10.100	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	SB-D-01	LIQUID	N/A	<	6.06e+00	6.060	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	SE-D-01	LIQUID	N/A	<	1.01e+01	10.100	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	SI-D-01	LIQUID	N/A		1.42e+02	5.050	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	SM-D-01	LIQUID	N/A	<	1.01e+01	10.100	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	SR-D-01	LIQUID	N/A	<	1.01e+00	1.010	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	TI-D-01	LIQUID	N/A	<	1.01e+00	1.010	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	TL-D-01	LIQUID	N/A	<	2.02e+01	20.200	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	U-D-01	LIQUID	N/A	<	5.05e+01	50.500	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	V-D-01	LIQUID	N/A	<	5.05e+00	5.050	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	ZN-D-01	LIQUID	N/A		6.46e+00	1.010	ug/mL
13	SAMPLE	S96T001120	0	D	●ICP-D01	ZR-D-01	LIQUID	N/A	<	1.01e+00	1.010	ug/mL
14	DUP	S96T001120	0	D	●ICP-D01	AG-D-01	LIQUID	2.03e+00		2.14e+00	5.280	RPD

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

LABCORE Completed Worklist Report for Worklist# 7021

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
14	DUP	S96T001120	0	D	@ICP-D01	AL-D-01	LIQUID	3.96e+02	3.93e+02	0.760	RPD
14	DUP	S96T001120	0	D	@ICP-D01	AS-D-01	LIQUID	<1.01e1	<1.01e1		RPD
14	DUP	S96T001120	0	D	@ICP-D01	B-D-01	LIQUID	2.52e+01	2.51e+01	0.400	RPD
14	DUP	S96T001120	0	D	@ICP-D01	BA-D-01	LIQUID	<5.05e0	<5.05e0		RPD
14	DUP	S96T001120	0	D	@ICP-D01	BE-D-01	LIQUID	<5.05e-1	<5.05e-1		RPD
14	DUP	S96T001120	0	D	@ICP-D01	BI-D-01	LIQUID	<1.01e1	<1.01e1		RPD
14	DUP	S96T001120	0	D	@ICP-D01	CA-D-01	LIQUID	3.03e+01	2.93e+01	3.360	RPD
14	DUP	S96T001120	0	D	@ICP-D01	CD-D-01	LIQUID	<5.05e-1	<5.05e-1		RPD
14	DUP	S96T001120	0	D	@ICP-D01	CE-D-01	LIQUID	<1.01e1	<1.01e1		RPD
14	DUP	S96T001120	0	D	@ICP-D01	CO-D-01	LIQUID	<2.02e0	<2.02e0		RPD
14	DUP	S96T001120	0	D	@ICP-D01	CR-D-01	LIQUID	7.93e+00	8.02e+00	1.130	RPD
14	DUP	S96T001120	0	D	@ICP-D01	CU-D-01	LIQUID	4.24e+00	3.60e+00	16.330	RPD
14	DUP	S96T001120	0	D	@ICP-D01	FE-D-01	LIQUID	<5.05e0	<5.05e0		RPD
14	DUP	S96T001120	0	D	@ICP-D01	K-D-01	LIQUID	5.08e+02	5.05e+02	0.590	RPD
14	DUP	S96T001120	0	D	@ICP-D01	LA-D-01	LIQUID	<5.05e0	<5.05e0		RPD
14	DUP	S96T001120	0	D	@ICP-D01	LI-D-01	LIQUID	1.69e+03	1.68e+03	0.590	RPD
14	DUP	S96T001120	0	D	@ICP-D01	MG-D-01	LIQUID	<1.01e1	<1.01e1		RPD
14	DUP	S96T001120	0	D	@ICP-D01	MN-D-01	LIQUID	<1.01e0	<1.01e0		RPD
14	DUP	S96T001120	0	D	@ICP-D01	MO-D-01	LIQUID	1.54e+01	1.56e+01	1.290	RPD
14	DUP	S96T001120	0	D	@ICP-D01	NA-D-01	LIQUID	2.90e+04	2.88e+04	0.690	RPD
14	DUP	S96T001120	0	D	@ICP-D01	ND-D-01	LIQUID	<1.01e1	<1.01e1		RPD
14	DUP	S96T001120	0	D	@ICP-D01	NI-D-01	LIQUID	3.73e+00	4.14e+00	10.420	RPD
14	DUP	S96T001120	0	D	@ICP-D01	P-D-01	LIQUID	4.77e+01	5.00e+01	4.710	RPD
14	DUP	S96T001120	0	D	@ICP-D01	PB-D-01	LIQUID	<1.01e1	<1.01e1		RPD
14	DUP	S96T001120	0	D	@ICP-D01	S-D-01	LIQUID	2.09e+02	2.12e+02	1.430	RPD
14	DUP	S96T001120	0	D	@ICP-D01	SB-D-01	LIQUID	<6.06e0	<6.06e0		RPD
14	DUP	S96T001120	0	D	@ICP-D01	SE-D-01	LIQUID	<1.01e1	<1.01e1		RPD
14	DUP	S96T001120	0	D	@ICP-D01	SI-D-01	LIQUID	1.42e+02	1.38e+02	2.860	RPD
14	DUP	S96T001120	0	D	@ICP-D01	SM-D-01	LIQUID	<1.01e1	<1.01e1		RPD
14	DUP	S96T001120	0	D	@ICP-D01	SR-D-01	LIQUID	<1.01e0	<1.01e0		RPD
14	DUP	S96T001120	0	D	@ICP-D01	TL-D-01	LIQUID	<2.02e1	<2.02e1		RPD
14	DUP	S96T001120	0	D	@ICP-D01	U-D-01	LIQUID	<5.05e1	<5.05e1		RPD
14	DUP	S96T001120	0	D	@ICP-D01	V-D-01	LIQUID	<5.05e0	<5.05e0		RPD
14	DUP	S96T001120	0	D	@ICP-D01	ZN-D-01	LIQUID	6.46e+00	6.00e+00	7.380	RPD
14	DUP	S96T001120	0	D	@ICP-D01	ZR-D-01	LIQUID	<1.01e0	<1.01e0		RPD
14	DUP	S96T001120	0	D	@ICP-D01	TI-D-01	LIQUID	<1.01e0	<1.01e0		RPD
15	SPK	S96T001120	0	D	@ICP-D01	AG-D-01	LIQUID	1	0.061	6.100	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	AL-D-01	LIQUID	1	0.983	98.300	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	AS-D-01	LIQUID	1	0.968	96.800	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	B-D-01	LIQUID	1	1.017	101.700	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	BA-D-01	LIQUID	1	1.049	104.900	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	BE-D-01	LIQUID	1	1.049	104.900	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	BI-D-01	LIQUID	1	1.030	103.000	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	CA-D-01	LIQUID	1	1.027	102.700	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	CD-D-01	LIQUID	1	1.010	101.000	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	CE-D-01	LIQUID	1	1.069	106.900	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	CO-D-01	LIQUID	1	1.010	101.000	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	CR-D-01	LIQUID	1	1.030	103.000	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	CU-D-01	LIQUID	1	1.057	105.700	% Recovery

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

LABCORE Completed Worklist Report for Worklist# 7021

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
15	SPK	S96T001120	0	D	@ICP-D01	FE-D-01	LIQUID	1		1.020	102.000	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	K-D-01	LIQUID	1		0.827	82.700	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	LA-D-01	LIQUID	1		1.059	105.900	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	LI-D-01	LIQUID	1		0.988	98.800	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	MG-D-01	LIQUID	1		0.980	98.000	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	MN-D-01	LIQUID	1		0.975	97.500	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	MO-D-01	LIQUID	1		1.026	102.600	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	NA-D-01	LIQUID	1		<1.00e-1		% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	ND-D-01	LIQUID	1		1.069	106.900	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	NI-D-01	LIQUID	1		1.012	101.200	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	P-D-01	LIQUID	1		1.013	101.300	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	PB-D-01	LIQUID	1		1.000	100.000	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	S-D-01	LIQUID	1		0.973	97.300	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	SB-D-01	LIQUID	1		0.983	98.300	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	SE-D-01	LIQUID	1		1.020	102.000	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	SI-D-01	LIQUID	1		1.347	134.700	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	SM-D-01	LIQUID	1		1.000	100.000	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	SR-D-01	LIQUID	1		1.040	104.000	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	TL-D-01	LIQUID	1		0.952	95.200	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	U-D-01	LIQUID	2		1.921	96.050	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	V-D-01	LIQUID	1		1.020	102.000	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	ZN-D-01	LIQUID	1		1.005	100.500	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	ZR-D-01	LIQUID	1		1.010	101.000	% Recovery
15	SPK	S96T001120	0	D	@ICP-D01	TI-D-01	LIQUID	1		1.000	100.000	% Recovery
16	SAMPLE	S96T001121	0	D	@ICP-D01	AG-D-01	LIQUID	N/A		1.33e+00	0.410	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	AL-D-01	LIQUID	N/A		8.10e+01	2.050	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	AS-D-01	LIQUID	N/A	<	4.10e+00	4.100	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	B-D-01	LIQUID	N/A		1.80e+01	2.050	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	BA-D-01	LIQUID	N/A	<	2.05e+00	2.050	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	BE-D-01	LIQUID	N/A	<	2.05e-01	0.205	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	BI-D-01	LIQUID	N/A	<	4.10e+00	4.100	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	CA-D-01	LIQUID	N/A		1.78e+01	4.100	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	CD-D-01	LIQUID	N/A	<	2.05e-01	0.205	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	CE-D-01	LIQUID	N/A	<	4.10e+00	4.100	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	CO-D-01	LIQUID	N/A	<	8.20e-01	0.820	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	CR-D-01	LIQUID	N/A		7.55e+00	0.410	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	CU-D-01	LIQUID	N/A	<	4.10e-01	0.410	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	FE-D-01	LIQUID	N/A	<	2.05e+00	2.050	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	K-D-01	LIQUID	N/A		3.22e+02	20.500	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	LA-D-01	LIQUID	N/A	<	2.05e+00	2.050	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	LI-D-01	LIQUID	N/A		1.60e+03	0.410	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	MG-D-01	LIQUID	N/A	<	4.10e+00	4.100	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	MN-D-01	LIQUID	N/A	<	4.10e-01	0.410	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	MO-D-01	LIQUID	N/A		9.46e+00	2.050	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	NA-D-01	LIQUID	N/A		1.86e+04	4.100	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	ND-D-01	LIQUID	N/A	<	4.10e+00	4.100	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	NI-D-01	LIQUID	N/A		1.76e+00	0.820	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	P-D-01	LIQUID	N/A		4.41e+01	8.200	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01	PB-D-01	LIQUID	N/A	<	4.10e+00	4.100	ug/mL

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

LABCORE Completed Worklist Report for Worklist# 7021

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
16	SAMPLE	S96T001121	0	D	@ICP-D01 S-D-01	LIQUID	N/A	1.31e+02	4.100	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01 SB-D-01	LIQUID	N/A <	2.46e+00	2.460	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01 SE-D-01	LIQUID	N/A <	4.10e+00	4.100	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01 SI-D-01	LIQUID	N/A	1.04e+02	2.050	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01 SM-D-01	LIQUID	N/A <	4.10e+00	4.100	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01 SR-D-01	LIQUID	N/A <	4.10e-01	0.410	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01 TI-D-01	LIQUID	N/A <	4.10e-01	0.410	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01 TL-D-01	LIQUID	N/A <	8.20e+00	8.200	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01 U-D-01	LIQUID	N/A <	2.05e+01	20.500	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01 V-D-01	LIQUID	N/A <	2.05e+00	2.050	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01 ZN-D-01	LIQUID	N/A	3.01e+00	0.410	ug/mL
16	SAMPLE	S96T001121	0	D	@ICP-D01 ZR-D-01	LIQUID	N/A <	4.10e-01	0.410	ug/mL
17	DUP	S96T001121	0	D	@ICP-D01 AG-D-01	LIQUID	1.33e+00	1.28e+00	3.830	RPD
17	DUP	S96T001121	0	D	@ICP-D01 AL-D-01	LIQUID	8.10e+01	8.08e+01	0.250	RPD
17	DUP	S96T001121	0	D	@ICP-D01 AS-D-01	LIQUID	<4.10e0	<4.10e0		RPD
17	DUP	S96T001121	0	D	@ICP-D01 B-D-01	LIQUID	1.80e+01	1.78e+01	1.120	RPD
17	DUP	S96T001121	0	D	@ICP-D01 BA-D-01	LIQUID	<2.05e0	<2.05e0		RPD
17	DUP	S96T001121	0	D	@ICP-D01 BE-D-01	LIQUID	<2.05e-1	<2.05e-1		RPD
17	DUP	S96T001121	0	D	@ICP-D01 BI-D-01	LIQUID	<4.10e0	<4.10e0		RPD
17	DUP	S96T001121	0	D	@ICP-D01 CA-D-01	LIQUID	1.78e+01	1.76e+01	1.130	RPD
17	DUP	S96T001121	0	D	@ICP-D01 CD-D-01	LIQUID	<2.05e-1	<2.05e-1		RPD
17	DUP	S96T001121	0	D	@ICP-D01 CE-D-01	LIQUID	<4.10e0	<4.10e0		RPD
17	DUP	S96T001121	0	D	@ICP-D01 CO-D-01	LIQUID	<8.20e-1	<8.20e-1		RPD
17	DUP	S96T001121	0	D	@ICP-D01 CR-D-01	LIQUID	7.55e+00	7.56e+00	0.130	RPD
17	DUP	S96T001121	0	D	@ICP-D01 CU-D-01	LIQUID	<4.10e-1	8.75e-01		RPD
17	DUP	S96T001121	0	D	@ICP-D01 FE-D-01	LIQUID	<2.05e0	<2.05e0		RPD
17	DUP	S96T001121	0	D	@ICP-D01 K-D-01	LIQUID	3.22e+02	3.18e+02	1.250	RPD
17	DUP	S96T001121	0	D	@ICP-D01 LA-D-01	LIQUID	<2.05e0	<2.05e0		RPD
17	DUP	S96T001121	0	D	@ICP-D01 LI-D-01	LIQUID	1.60e+03	1.60e+03	0.000	RPD
17	DUP	S96T001121	0	D	@ICP-D01 MG-D-01	LIQUID	<4.10e0	<4.10e0		RPD
17	DUP	S96T001121	0	D	@ICP-D01 MN-D-01	LIQUID	<4.10e-1	<4.10e-1		RPD
17	DUP	S96T001121	0	D	@ICP-D01 MO-D-01	LIQUID	9.46e+00	9.56e+00	1.050	RPD
17	DUP	S96T001121	0	D	@ICP-D01 NA-D-01	LIQUID	1.86e+04	1.86e+04	0.000	RPD
17	DUP	S96T001121	0	D	@ICP-D01 ND-D-01	LIQUID	<4.10e0	<4.10e0		RPD
17	DUP	S96T001121	0	D	@ICP-D01 NI-D-01	LIQUID	1.76e+00	1.56e+00	12.050	RPD
17	DUP	S96T001121	0	D	@ICP-D01 P-D-01	LIQUID	4.41e+01	4.41e+01	0.000	RPD
17	DUP	S96T001121	0	D	@ICP-D01 PB-D-01	LIQUID	<4.10e0	<4.10e0		RPD
17	DUP	S96T001121	0	D	@ICP-D01 S-D-01	LIQUID	1.31e+02	1.41e+02	7.350	RPD
17	DUP	S96T001121	0	D	@ICP-D01 SB-D-01	LIQUID	<2.46e0	<2.46e0		RPD
17	DUP	S96T001121	0	D	@ICP-D01 SE-D-01	LIQUID	<4.10e0	<4.10e0		RPD
17	DUP	S96T001121	0	D	@ICP-D01 SI-D-01	LIQUID	1.04e+02	1.04e+02	0.000	RPD
17	DUP	S96T001121	0	D	@ICP-D01 SM-D-01	LIQUID	<4.10e0	<4.10e0		RPD
17	DUP	S96T001121	0	D	@ICP-D01 SR-D-01	LIQUID	<4.10e-1	<4.10e-1		RPD
17	DUP	S96T001121	0	D	@ICP-D01 TL-D-01	LIQUID	<8.20e0	<8.20e0		RPD
17	DUP	S96T001121	0	D	@ICP-D01 U-D-01	LIQUID	<2.05e1	<2.05e1		RPD
17	DUP	S96T001121	0	D	@ICP-D01 V-D-01	LIQUID	<2.05e0	<2.05e0		RPD
17	DUP	S96T001121	0	D	@ICP-D01 ZN-D-01	LIQUID	3.01e+00	3.43e+00	13.040	RPD
17	DUP	S96T001121	0	D	@ICP-D01 ZR-D-01	LIQUID	<4.10e-1	<4.10e-1		RPD
17	DUP	S96T001121	0	D	@ICP-D01 TI-D-01	LIQUID	<4.10e-1	<4.10e-1		RPD

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

LABCORE Completed Worklist Report for Worklist# 7021

Seq	Type	Sample#	R	A		Test	Matrix	Actual	Found	DL or Yield	Unit
18	SPK	S96T001121	0	D	●ICP-D01	AG-D-01	LIQUID	1	0.926	92.600	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	AL-D-01	LIQUID	1	1.025	102.500	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	AS-D-01	LIQUID	1	0.966	96.600	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	B-D-01	LIQUID	1	1.016	101.600	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	BA-D-01	LIQUID	1	1.051	105.100	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	BE-D-01	LIQUID	1	1.056	105.600	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	BI-D-01	LIQUID	1	1.049	104.900	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	CA-D-01	LIQUID	1	1.052	105.200	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	CD-D-01	LIQUID	1	1.020	102.000	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	CE-D-01	LIQUID	1	1.085	108.500	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	CO-D-01	LIQUID	1	1.027	102.700	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	CR-D-01	LIQUID	1	1.043	104.300	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	CU-D-01	LIQUID	1	1.073	107.300	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	FE-D-01	LIQUID	1	1.037	103.700	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	K-D-01	LIQUID	1	1.268	126.800	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	LA-D-01	LIQUID	1	1.066	106.600	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	LI-D-01	LIQUID	1	0.693	69.300	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	MG-D-01	LIQUID	1	0.993	99.300	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	MN-D-01	LIQUID	1	0.985	98.500	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	MO-D-01	LIQUID	1	1.043	104.300	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	NA-D-01	LIQUID	1	<1.00e-1		% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	ND-D-01	LIQUID	1	1.078	107.800	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	NI-D-01	LIQUID	1	1.020	102.000	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	P-D-01	LIQUID	1	1.027	102.700	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	PB-D-01	LIQUID	1	1.039	103.900	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	S-D-01	LIQUID	1	1.395	139.500	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	SB-D-01	LIQUID	1	0.995	99.500	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	SE-D-01	LIQUID	1	1.056	105.600	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	SI-D-01	LIQUID	1	1.578	157.800	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	SM-D-01	LIQUID	1	1.010	101.000	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	SR-D-01	LIQUID	1	1.046	104.600	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	TL-D-01	LIQUID	1	0.976	97.600	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	U-D-01	LIQUID	2	1.963	98.150	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	V-D-01	LIQUID	1	1.034	103.400	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	ZN-D-01	LIQUID	1	1.024	102.400	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	ZR-D-01	LIQUID	1	1.020	102.000	% Recovery
18	SPK	S96T001121	0	D	●ICP-D01	TI-D-01	LIQUID	1	1.015	101.500	% Recovery
19	ICSA		0		●ICP-QC	AG	QC	1	<1.00e-2		ug/g
19	ICSA		0		●ICP-QC	AL	QC	250	2.46e+02	98.400	% Recovery
19	ICSA		0		●ICP-QC	AS	QC	1.0	<1.00e-1		ug/g
19	ICSA		0		●ICP-QC	B	QC	1	<5.00e-2		ug/g
19	ICSA		0		●ICP-QC	BA	QC	1	<5.00e-2		ug/g
19	ICSA		0		●ICP-QC	BE	QC	1	<5.00e-3		ug/g
19	ICSA		0		●ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
19	ICSA		0		●ICP-QC	CA	QC	250	2.50e+02	100.000	% Recovery
19	ICSA		0		●ICP-QC	CD	QC	1	<5.00e-3		ug/g
19	ICSA		0		●ICP-QC	CE	QC	1	<1.00e-1		ug/g
19	ICSA		0		●ICP-QC	CO	QC	1	<2.00e-2		ug/g
19	ICSA		0		●ICP-QC	CR	QC	1	<1.00e-2		ug/g

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

WHC-SD-WM-DP-184, REV. 1

LABCORE Completed Worklist Report for Worklist# 7021

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
19	ICSA		0		●ICP-QC	CU	QC	1	<1.00e-2		ug/g
19	ICSA		0		●ICP-QC	FE	QC	100	9.48e+01	94.800	% Recovery
19	ICSA		0		●ICP-QC	K	QC	1	<5.00e-1		ug/g
19	ICSA		0		●ICP-QC	LA	QC	1.0	<5.00e-2		ug/g
19	ICSA		0		●ICP-QC	LI	QC	1	<1.00e-2		ug/g
19	ICSA		0		●ICP-QC	MG	QC	250	2.50e+02	100.000	% Recovery
19	ICSA		0		●ICP-QC	MN	QC	1.0	<1.00e-2		ug/g
19	ICSA		0		●ICP-QC	MO	QC	1	<5.00e-2		ug/g
19	ICSA		0		●ICP-QC	NA	QC	200	2.07e+02	103.500	% Recovery
19	ICSA		0		●ICP-QC	ND	QC	1	<1.00e-1		ug/g
19	ICSA		0		●ICP-QC	NI	QC	1	<2.00e-2		ug/g
19	ICSA		0		●ICP-QC	P	QC	1.0	<2.00e-1		ug/g
19	ICSA		0		●ICP-QC	PB	QC	1	<1.00e-1		ug/g
19	ICSA		0		●ICP-QC	S	QC	1.0	<1.00e-1		ug/g
19	ICSA		0		●ICP-QC	SB	QC	1	<6.00e-2		ug/g
19	ICSA		0		●ICP-QC	SE	QC	1	<1.00e-1		ug/g
19	ICSA		0		●ICP-QC	SI	QC	1	<5.00e-2		ug/g
19	ICSA		0		●ICP-QC	SM	QC	1	<1.00e-1		ug/g
19	ICSA		0		●ICP-QC	SR	QC	1	<1.00e-2		ug/g
19	ICSA		0		●ICP-QC	TI	QC	1	<1.00e-2		ug/g
19	ICSA		0		●ICP-QC	TL	QC	1.0	<2.00e-1		ug/g
19	ICSA		0		●ICP-QC	U	QC	1	<5.00e-1		ug/g
19	ICSA		0		●ICP-QC	V	QC	1	<5.00e-2		ug/g
19	ICSA		0		●ICP-QC	ZN	QC	1.0	<1.00e-2		ug/g
19	ICSA		0		●ICP-QC	ZR	QC	1	<1.00e-2		ug/g
20	ICSAB		0		●ICP-QC	AG	QC	1.0	9.88e-01	98.800	% Recovery
20	ICSAB		0		●ICP-QC	AL	QC	250	2.44e+02	97.600	% Recovery
20	ICSAB		0		●ICP-QC	AS	QC	1.0	<1.00e-1		ug/g
20	ICSAB		0		●ICP-QC	B	QC	1.0	<5.00e-2		ug/g
20	ICSAB		0		●ICP-QC	BA	QC	0.5	5.08e-01	101.600	% Recovery
20	ICSAB		0		●ICP-QC	BE	QC	0.5	5.06e-01	101.200	% Recovery
20	ICSAB		0		●ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
20	ICSAB		0		●ICP-QC	CA	QC	250	2.55e+02	102.000	% Recovery
20	ICSAB		0		●ICP-QC	CD	QC	1.0	9.69e-01	96.900	% Recovery
20	ICSAB		0		●ICP-QC	CE	QC	1.0	<1.00e-1		ug/g
20	ICSAB		0		●ICP-QC	CO	QC	0.5	4.80e-01	96.000	% Recovery
20	ICSAB		0		●ICP-QC	CR	QC	0.5	4.91e-01	98.200	% Recovery
20	ICSAB		0		●ICP-QC	CU	QC	0.5	5.08e-01	101.600	% Recovery
20	ICSAB		0		●ICP-QC	FE	QC	100	9.49e+01	94.900	% Recovery
20	ICSAB		0		●ICP-QC	K	QC	1.0	<5.00e-1		ug/g
20	ICSAB		0		●ICP-QC	LA	QC	1.0	<5.00e-2		ug/g
20	ICSAB		0		●ICP-QC	LI	QC	1.0	1.03e+00	103.000	% Recovery
20	ICSAB		0		●ICP-QC	MG	QC	250	2.49e+02	99.600	% Recovery
20	ICSAB		0		●ICP-QC	MN	QC	0.5	4.60e-01	92.000	% Recovery
20	ICSAB		0		●ICP-QC	MO	QC	1.0	<5.00e-2		ug/g
20	ICSAB		0		●ICP-QC	NA	QC	200	2.03e+02	101.500	% Recovery
20	ICSAB		0		●ICP-QC	ND	QC	1.0	<1.00e-1		ug/g
20	ICSAB		0		●ICP-QC	NI	QC	1.0	9.42e-01	94.200	% Recovery
20	ICSAB		0		●ICP-QC	P	QC	1.0	<2.00e-1		ug/g

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

LABCORE Completed Worklist Report for Worklist# 7021

Seq	Type	Sample#	R	A		Test	Matrix	Actual	Found	DL or Yield	Unit
20	ICSAB		0		●ICP-QC	PB	QC	1.0	1.02e+00	102.000	% Recovery
20	ICSAB		0		●ICP-QC	S	QC	1.0	<1.00e-1		ug/g
20	ICSAB		0		●ICP-QC	SB	QC	1.0	<6.00e-2		ug/g
20	ICSAB		0		●ICP-QC	SE	QC	1.0	<1.00e-1		ug/g
20	ICSAB		0		●ICP-QC	SI	QC	1.0	<5.00e-2		ug/g
20	ICSAB		0		●ICP-QC	SM	QC	1.0	<1.00e-1		ug/g
20	ICSAB		0		●ICP-QC	SR	QC	1.0	<1.00e-2		ug/g
20	ICSAB		0		●ICP-QC	TI	QC	1.0	<1.00e-2		ug/g
20	ICSAB		0		●ICP-QC	TL	QC	1.0	<2.00e-1		ug/g
20	ICSAB		0		●ICP-QC	U	QC	1.0	<5.00e-1		ug/g
20	ICSAB		0		●ICP-QC	V	QC	0.5	4.80e-01	96.000	% Recovery
20	ICSAB		0		●ICP-QC	ZN	QC	1.0	9.80e-01	98.000	% Recovery
20	ICSAB		0		●ICP-QC	ZR	QC	1.0	<1.00e-2		ug/g
21	CCV		0		●ICP-QC	AG	QC	5.0	5.05e+00	101.000	% Recovery
21	CCV		0		●ICP-QC	AL	QC	5.0	5.06e+00	101.200	% Recovery
21	CCV		0		●ICP-QC	AS	QC	5.0	5.33e+00	106.600	% Recovery
21	CCV		0		●ICP-QC	B	QC	5.0	5.25e+00	105.000	% Recovery
21	CCV		0		●ICP-QC	BA	QC	5.0	5.30e+00	106.000	% Recovery
21	CCV		0		●ICP-QC	BE	QC	5.0	5.43e+00	108.600	% Recovery
21	CCV		0		●ICP-QC	BI	QC	5.0	5.20e+00	104.000	% Recovery
21	CCV		0		●ICP-QC	CA	QC	5.0	5.20e+00	104.000	% Recovery
21	CCV		0		●ICP-QC	CD	QC	5.0	5.11e+00	102.200	% Recovery
21	CCV		0		●ICP-QC	CE	QC	5.0	5.39e+00	107.800	% Recovery
21	CCV		0		●ICP-QC	CO	QC	5.0	5.13e+00	102.600	% Recovery
21	CCV		0		●ICP-QC	CR	QC	5.0	5.18e+00	103.600	% Recovery
21	CCV		0		●ICP-QC	CU	QC	5.0	5.43e+00	108.600	% Recovery
21	CCV		0		●ICP-QC	FE	QC	5.0	5.19e+00	103.800	% Recovery
21	CCV		0		●ICP-QC	K	QC	5.0	5.20e+00	104.000	% Recovery
21	CCV		0		●ICP-QC	LA	QC	5.0	5.30e+00	106.000	% Recovery
21	CCV		0		●ICP-QC	LI	QC	5.0	5.35e+00	107.000	% Recovery
21	CCV		0		●ICP-QC	MG	QC	5.0	5.05e+00	101.000	% Recovery
21	CCV		0		●ICP-QC	MN	QC	5.0	5.04e+00	100.800	% Recovery
21	CCV		0		●ICP-QC	MO	QC	5.0	5.14e+00	102.800	% Recovery
21	CCV		0		●ICP-QC	NA	QC	5.0	5.19e+00	103.800	% Recovery
21	CCV		0		●ICP-QC	ND	QC	5.0	5.38e+00	107.600	% Recovery
21	CCV		0		●ICP-QC	NI	QC	5.0	5.10e+00	102.000	% Recovery
21	CCV		0		●ICP-QC	P	QC	5.0	5.14e+00	102.800	% Recovery
21	CCV		0		●ICP-QC	PB	QC	5.0	5.02e+00	100.400	% Recovery
21	CCV		0		●ICP-QC	S	QC	5.0	5.06e+00	101.200	% Recovery
21	CCV		0		●ICP-QC	SB	QC	5.0	4.91e+00	98.200	% Recovery
21	CCV		0		●ICP-QC	SE	QC	5.0	5.11e+00	102.200	% Recovery
21	CCV		0		●ICP-QC	SI	QC	5.0	4.87e+00	97.400	% Recovery
21	CCV		0		●ICP-QC	SM	QC	5.0	5.18e+00	103.600	% Recovery
21	CCV		0		●ICP-QC	SR	QC	5.0	5.25e+00	105.000	% Recovery
21	CCV		0		●ICP-QC	TI	QC	5.0	5.06e+00	101.200	% Recovery
21	CCV		0		●ICP-QC	TL	QC	5.0	4.97e+00	99.400	% Recovery
21	CCV		0		●ICP-QC	U	QC	10.	1.02e+01	102.000	% Recovery
21	CCV		0		●ICP-QC	V	QC	5.0	5.19e+00	103.800	% Recovery
21	CCV		0		●ICP-QC	ZN	QC	5.0	5.08e+00	101.600	% Recovery

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

LABCORE Completed Worklist Report for Worklist# 7021

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
21	CCV		0		@ICP-QC ZR	QC	5.0	5.12e+00	102.400	% Recovery
22	CCB		0		@ICP-QC AG	QC	1	<1.00e-2		ug/g
22	CCB		0		@ICP-QC AL	QC	1	<5.00e-2		ug/g
22	CCB		0		@ICP-QC AS	QC	1	<1.00e-1		ug/g
22	CCB		0		@ICP-QC B	QC	1	<5.00e-2		ug/g
22	CCB		0		@ICP-QC BA	QC	1	<5.00e-2		ug/g
22	CCB		0		@ICP-QC BE	QC	1	<5.00e-3		ug/g
22	CCB		0		@ICP-QC BI	QC	1	<1.00e-1		ug/g
22	CCB		0		@ICP-QC CA	QC	1	<1.00e-1		ug/g
22	CCB		0		@ICP-QC CD	QC	1	<5.00e-3		ug/g
22	CCB		0		@ICP-QC CE	QC	1	<1.00e-1		ug/g
22	CCB		0		@ICP-QC CO	QC	1	<2.00e-2		ug/g
22	CCB		0		@ICP-QC CR	QC	1	<1.00e-2		ug/g
22	CCB		0		@ICP-QC CU	QC	1	<1.00e-2		ug/g
22	CCB		0		@ICP-QC FE	QC	1	<5.00e-2		ug/g
22	CCB		0		@ICP-QC K	QC	1	<5.00e-1		ug/g
22	CCB		0		@ICP-QC LA	QC	1	<5.00e-2		ug/g
22	CCB		0		@ICP-QC LI	QC	1	<1.00e-2		ug/g
22	CCB		0		@ICP-QC MG	QC	1	<1.00e-1		ug/g
22	CCB		0		@ICP-QC MN	QC	1	<1.00e-2		ug/g
22	CCB		0		@ICP-QC MO	QC	1	<5.00e-2		ug/g
22	CCB		0		@ICP-QC NA	QC	1	<1.00e-1		ug/g
22	CCB		0		@ICP-QC ND	QC	1	<1.00e-1		ug/g
22	CCB		0		@ICP-QC NI	QC	1	<2.00e-2		ug/g
22	CCB		0		@ICP-QC P	QC	1	<2.00e-1		ug/g
22	CCB		0		@ICP-QC PB	QC	1	<1.00e-1		ug/g
22	CCB		0		@ICP-QC S	QC	1	<1.00e-1		ug/g
22	CCB		0		@ICP-QC SB	QC	1	<6.00e-2		ug/g
22	CCB		0		@ICP-QC SE	QC	1	<1.00e-1		ug/g
22	CCB		0		@ICP-QC SI	QC	1	<5.00e-2		ug/g
22	CCB		0		@ICP-QC SM	QC	1	<1.00e-1		ug/g
22	CCB		0		@ICP-QC SR	QC	1	<1.00e-2		ug/g
22	CCB		0		@ICP-QC TI	QC	1	<1.00e-2		ug/g
22	CCB		0		@ICP-QC TL	QC	1	<2.00e-1		ug/g
22	CCB		0		@ICP-QC U	QC	1	<5.00e-1		ug/g
22	CCB		0		@ICP-QC V	QC	1	<5.00e-2		ug/g
22	CCB		0		@ICP-QC ZN	QC	1	<1.00e-2		ug/g
22	CCB		0		@ICP-QC ZR	QC	1	<1.00e-2		ug/g

Final page for worklist# 7021

Analyst Signature Date

Analyst Signature Date

Reviewer Signature Date 4/16/96

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

Analysis Report Summary Mon 04-15-96 10:01:36 AM page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	ICV	960415A	ICP2	04/15/96	07:54	DKS	Q	CONC
2	ICB	960415A	ICP2	04/15/96	07:57	DKS	Q	CONC
3	ICSA	960415A	ICP2	04/15/96	08:03	DKS	Q	CONC
4	ICSAB	960415A	ICP2	04/15/96	08:06	DKS	Q	CONC
5	S96T001110_L	960415A	ICP2	04/15/96	08:11	DKS	S	CONC
6	S96T001110	960415A	ICP2	04/15/96	08:14	DKS	S	CONC
7	S96T001110_D	960415A	ICP2	04/15/96	08:17	DKS	S	CONC
8	S96T001110_A	960415A	ICP2	04/15/96	08:21	DKS	S	CONC
9	S96T001119_L	960415A	ICP2	04/15/96	08:24	DKS	S	CONC
10	S96T001119	960415A	ICP2	04/15/96	08:28	DKS	S	CONC
11	S96T001119_D	960415A	ICP2	04/15/96	08:31	DKS	S	CONC
12	S96T001119_A	960415A	ICP2	04/15/96	08:35	DKS	S	CONC
13	CCV	960415A	ICP2	04/15/96	08:39	DKS	Q	CONC
~~14~~	~~CCB~~ JK 4-15-96	960415A	ICP2	04/15/96	08:43	DKS	Q	CONC
15	CCB	960415A	ICP2	04/15/96	08:50	DKS	Q	CONC
16	S96T001120_L	960415A	ICP2	04/15/96	08:53	DKS	S	CONC
17	S96T001120	960415A	ICP2	04/15/96	08:56	DKS	S	CONC
18	S96T001120_D	960415A	ICP2	04/15/96	08:59	DKS	S	CONC
19	S96T001120_A	960415A	ICP2	04/15/96	09:03	DKS	S	CONC
~~20~~	~~S96T001121_L~~ JK 4-15-96	960415A	ICP2	04/15/96	09:07	DKS	S	CONC
21	S96T001121_L	960415A	ICP2	04/15/96	09:27	DKS	S	CONC
22	S96T001121	960415A	ICP2	04/15/96	09:30	DKS	S	CONC
23	S96T001121_D	960415A	ICP2	04/15/96	09:33	DKS	S	CONC
24	S96T001121_A	960415A	ICP2	04/15/96	09:37	DKS	S	CONC
25	ICSA	960415A	ICP2	04/15/96	09:46	DKS	Q	CONC
26	ICSAB	960415A	ICP2	04/15/96	09:49	DKS	Q	CONC
27	CCV_1	960415A	ICP2	04/15/96	09:55	DKS	Q	CONC
28	CCB_1	960415A	ICP2	04/15/96	09:58	DKS	Q	CONC

JK
04-15-96
4-107 S96T001110
S96T001119
S96T001120
S96T001121
Worklist # 7021

SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 530 TO 535

Analysis Report Averages Mon 04-15-96 10:01:36 AM page 2

#	Sample Name	Ag	Al	As	B	Ba	Be
1	ICV	5.017	4.954	5.145	5.029	5.181	5.198
2	ICB	-.0007	.0043	.0128	.0044	.0001	.0001
3	ICSA	.0010	242.3	-.0682	-.0021	.0032	.0003
4	ICSAB	.9884	242.7	-.0490	-.0000	.5097	.4945
5	S96T001110_L	.1952	77.46	-34.18	3.929	.0775	.0001
6	S96T001110_	.1685	76.48	-24.09	3.722	.0466	-.0002
7	S96T001110_D	.1676	76.31	-24.44	3.749	.0472	-.0004
8	S96T001110_A	.5164	82.35	-26.82	9.699	6.226	6.292
9	S96T001119_L	16.74	26940.	-67.53	91.69	.3188	.7048
10	S96T001119_	16.06	26970.	-54.20	79.50	-.0174	.3991
11	S96T001119_D	15.99	26800.	-46.34	78.17	.0663	.4211
12	S96T001119_A	321.6	27140.	599.2	696.2	632.3	640.1
13	CCV	5.065	5.101	5.300	5.246	5.355	5.384
~~14~~	~~CCB~~ [illegible] 4-15-96	.0016	.0090	.0043	.0031	.0001	.0001
15	CCB	-.0003	.0096	-.0068	.0017	-.0001	.0001
16	S96T001120_L	1.932	402.3	-1.451	25.46	-.0965	.0995
17	S96T001120_	2.028	395.7	-9.650	25.25	.0047	.0167
18	S96T001120_D	2.136	393.2	-9.859	25.11	.0095	.0167
19	S96T001120_A	8.164	495.3	97.79	127.9	105.5	105.9
~~20~~	~~S96T001121_L~~ [illegible] 4-15-96	.2499	12.33	1.179	2.354	.0110	.0715
21	S96T001121_L	1.288	81.50	-2.397	17.14	.0398	.0486
22	S96T001121_	1.328	81.00	-5.437	17.96	.0777	.0164
23	S96T001121_D	1.285	80.85	-4.081	17.81	.0679	.0164
24	S96T001121_A	39.31	122.7	39.57	59.63	43.13	43.32
25	ICSA	.0034	246.2	-.0541	.0033	.0034	.0006
26	ICSAB	.9881	244.1	-.0436	-.0016	.5080	.5056
27	CCV_1	5.049	5.064	5.330	5.246	5.304	5.435
28	CCB_1	-.0005	.0162	.0010	.0022	-.0001	.0003

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
1	ICV	5.138	5.169	5.100	5.262	5.118	5.159
2	ICB	.0173	.0005	.0015	-.0024	-.0006	.0009
3	ICSA	.0129	256.6	.0010	.0104	.0021	-.0006
4	ICSAB	-.0061	254.4	.9700	.0063	.4787	.4886
5	S96T001110_L	.6675	3.298	.3225	.3293	.1123	2.323
6	S96T001110_	.0045	3.027	.3257	.2195	.0936	2.169
7	S96T001110_D	.0048	2.902	.3119	.2101	.0895	2.169
8	S96T001110_A	5.661	9.283	6.272	6.823	6.154	8.361
9	S96T001119_L	78.18	78.12	1.604	-8.751	-.4733	161.8
10	S96T001119_	3.937	85.98	1.451	-2.919	-.0959	163.9
11	S96T001119_D	10.02	83.09	.8439	.1702	.0413	163.8
12	S96T001119_A	630.6	717.5	617.1	653.4	616.7	785.4
13	CCV	5.274	5.185	5.099	5.419	5.125	5.172
~~14~~	~~CCB~~ [illegible] 4-15-96	.0006	-.0040	.0005	-.0073	.0002	.0003
15	CCB	.0262	-.0061	-.0008	-.0093	-.0011	-.0002
16	S96T001120_L	6.242	29.64	.3293	-2.104	-.2632	8.095
17	S96T001120_	1.633	30.27	-.0035	-.7764	.1551	7.926
18	S96T001120_D	1.260	29.26	-.0087	-.2163	.0738	8.016
~~19~~	~~S96T001120_A~~ [illegible] 4-15-96	104.2	133.9	101.9	108.5	102.4	111.6
20	S96T001121_L	5.090	1.738	.1828	.3621	-.1974	.8758
21	S96T001121_L	.3930	15.63	.1077	-2.141	-.0809	7.642

Analysis Report Averages Mon 04-15-96 10:01:36 AM page 3

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
22	S96T001121	.7975	17.76	.0168	.0400	-.0451	7.552
23	S96T001121_D	-.1741	17.55	.0188	-.4282	.0816	7.562
24	S96T001121_A	42.97	60.93	41.79	44.46	42.09	50.34
25	ICSA	.0357	250.3	.0009	.0111	.0023	.0000
26	ICSAB	.0050	254.6	.9689	.0086	.4796	.4911
27	CCV_1	5.198	5.202	5.106	5.386	5.132	5.179
28	CCB_1	.0155	-.0055	.0007	-.0097	.0009	.0009

#	Sample Name	Cu	Eu	Fe	K	La	Li
1	ICV	5.212	-.0033	5.113	5.084	5.174	5.057
2	ICB	.0005	-.0002	-.0001	-.2384	-.0003	-.0004
3	ICSA	-.0110	-.0424	94.56	.0949	-.0063	.0036
4	ICSAB	.5005	-.0374	94.27	-.0944	-.0058	1.016
5	S96T001110_L	.8318	-.0188	1.553	61.92	.0193	546.5
6	S96T001110	.7923	-.0081	1.512	57.90	-.0013	564.9
7	S96T001110_D	.7909	-.0066	1.518	58.80	.0038	561.9
8	S96T001110_A	7.096	-.0105	7.607	63.89	6.304	569.5
9	S96T001119_L	1.418	-5.715	3.815	3891.	.4452	-4.990
10	S96T001119	.4858	-.7449	4.728	3644.	.9038	-.5693
11	S96T001119_D	.4868	-.9189	4.208	3627.	.3354	-.6410
12	S96T001119_A	643.3	-1.621	624.9	4161.	642.1	634.5
13	CCV	5.441	-.0058	5.199	5.455	5.340	5.383
~~14~~	~~CCB~~ M 4-15-96	.0017	-.0020	-.0004	-.1732	-.0007	-.0023
15	CCB	.0001	-.0027	.0002	-.0252	-.0010	-.0024
16	S96T001120_L	4.144	-1.294	.2842	444.5	-.5583	1702.
17	S96T001120	4.235	-.2003	.1713	508.5	-.1788	1690.
18	S96T001120_D	3.599	-.2247	.2415	505.2	.1217	1678.
19	S96T001120_A	110.8	-.2778	103.5	592.2	106.6	1790.
~~20~~	~~S96T001121_L~~ M 4-15-96	.1977	-.4682	.2412	27.78	.0644	172.6
21	S96T001121_L	.2423	-.4123	-.0787	318.4	-.2658	1567.
22	S96T001121	.2340	-.0881	.1122	322.0	.0122	1602.
23	S96T001121_D	.8753	-.0964	.0730	318.4	-.0660	1599.
24	S96T001121_A	43.98	-.0918	42.47	374.3	43.65	1633.
25	ICSA	-.0105	-.0359	94.84	.0202	-.0042	.0007
26	ICSAB	.5077	-.0416	94.93	.0693	-.0041	1.027
27	CCV_1	5.426	-.0051	5.194	5.195	5.302	5.347
28	CCB_1	.0005	-.0026	-.0002	-.0628	-.0019	-.0028

#	Sample Name	Mg	Mn	Mo	Na	Nd	Ni
1	ICV	4.905	5.045	5.114	5.032	5.234	5.072
2	ICB	.0006	.0002	.0032	-.0009	-.0005	.0054
3	ICSA	244.7	-.0067	-.0110	200.6	.0030	.0008
4	ICSAB	246.0	.4608	-.0103	202.0	.0005	.9467
5	S96T001110_L	.6316	.1280	1.079	2406.	-.0147	.9722
6	S96T001110	.7251	.1177	1.067	2394.	-.0201	.7766
7	S96T001110_D	.7574	.1180	1.083	2381.	-.0148	.7369
8	S96T001110_A	6.407	5.960	7.075	2389.	6.386	6.756
9	S96T001119_L	-16.59	-.9008	110.4	231400.	-1.171	12.72
10	S96T001119	-1.229	.4151	101.2	226100.	-.4698	14.49
11	S96T001119_D	-2.689	.3986	101.2	225200.	.3917	14.82

Analysis Report Averages Mon 04-15-96 10:01:36 AM page 4

#	Sample Name	Mg	Mn	Mo	Na	Nd	Ni
12	S96T001119_A	593.2	593.4	727.1	225200.	650.4	624.9
13	CCV	5.063	5.047	5.142	5.235	5.438	5.107
~~14~~	~~CCB~~ 4-15-96	.0001	-.0003	.0006	-.0191	-.0011	-.0076
15	CCB	-.0036	-.0007	.0025	-.0217	-.0028	-.0063
16	S96T001120_L	-1.362	-.2819	15.95	29440.	-1.749	5.653
17	S96T001120	-.4140	-.0426	15.41	28980.	-.4064	3.730
18	S96T001120_D	1.062	-.0331	15.57	28760.	.0399	4.143
19	S96T001120_A	98.96	98.49	118.8	28930.	108.1	106.0
~~20~~	~~S96T001121_L~~ 4-15-96	-.4456	-.0869	1.272	2052.	-.8410	-.8981
21	S96T001121_L	.1201	-.0955	9.703	18640.	-.6999	1.706
22	S96T001121	-.4664	-.0140	9.456	18620.	-.3140	1.763
23	S96T001121_D	-.1743	-.0153	9.561	18570.	-.1766	1.564
24	S96T001121_A	40.72	40.43	52.19	18570.	44.22	43.65
25	ICSA	249.7	-.0078	-.0141	206.6	.0036	-.0057
26	ICSAB	248.6	.4601	-.0097	203.1	.0057	.9419
27	CCV_1	5.046	5.042	5.144	5.187	5.380	5.097
28	CCB_1	.0048	-.0006	.0002	-.0231	-.0018	-.0005

#	Sample Name	P	Pb	S	Sb	Se	Si
1	ICV	5.017	5.108	4.953	4.829	4.961	4.835
2	ICB	-.0112	.0143	.0051	.0049	-.0007	.0203
3	ICSA	.0090	.0514	.0149	.0050	-.0685	.0242
4	ICSAB	.0342	1.039	.0272	.0164	-.0443	.0099
5	S96T001110_L	17.05	.0412	47.81	.3607	.5650	33.80
6	S96T001110	17.00	-.1652	47.80	.0264	.6870	33.20
7	S96T001110_D	16.77	-.2326	47.75	-.0015	.7160	33.27
8	S96T001110_A	23.25	5.655	53.30	5.845	7.522	52.53
9	S96T001119_L	1055.	-16.60	1480.	7.595	-44.26	923.4
10	S96T001119	1082.	18.62	1499.	-.7740	.6203	210.1
11	S96T001119_D	1082.	15.97	1465.	1.841	7.042	185.1
12	S96T001119_A	1689.	625.7	2067.	597.3	612.3	763.1
13	CCV	5.164	5.030	5.037	4.897	5.085	5.044
~~14~~	~~CCB~~ 4-15-96	.0048	-.0046	.0086	.0102	-.0087	Q.0964
15	CCB	.0158	.0043	-.0056	.0028	-.0245	.0408
16	S96T001120_L	50.68	-.6792	200.8	1.865	-3.968	165.6
17	S96T001120	47.72	.1450	208.7	.5534	-.9888	141.9
18	S96T001120_D	50.05	-.2986	212.1	.2271	.0019	138.3
19	S96T001120_A	149.7	101.2	306.8	99.30	103.0	277.6
~~20~~	~~S96T001121_L~~ 4-15-96	4.133	1.083	14.02	-.0433	.4679	26.41
21	S96T001121_L	53.99	1.584	131.0	1.153	-.0190	104.8
22	S96T001121	44.10	1.003	130.8	.1166	.3695	104.3
23	S96T001121_D	44.08	.6992	140.7	.0260	.7402	104.0
24	S96T001121_A	86.23	42.62	187.7	40.79	43.30	169.3
25	ICSA	.0328	.0285	.0251	.0106	-.0484	.0176
26	ICSAB	.0429	1.024	.0298	.0014	-.0368	.0141
27	CCV_1	5.136	5.017	5.057	4.908	5.112	4.872
28	CCB_1	-.0070	.0012	.0040	.0023	.0130	.0122

Analysis Report Averages Mon 04-15-96 10:01:36 AM page 5

#	Sample Name	Sm	Sr	Th	Ti	Tl	U
1	ICV	5.044	5.085	-.0244	4.951	4.914	9.916
2	ICB	.0010	.0000	.0027	.0000	.0023	-.0196
3	ICSA	-.0022	-.0025	.0121	.0014	-.0359	.0867
4	ICSAB	-.0156	-.0025	.0017	.0016	-.0256	.0639
5	S96T001110_L	-.3851	.0033	.2262	.0084	-1.448	-1.396
6	S96T001110_	-.1686	.0065	.0768	-.0085	-.6951	-.2566
7	S96T001110_D	-.1601	.0068	.0591	-.0086	-.8686	-.2914
8	S96T001110_A	5.964	6.199	.0571	5.932	4.778	12.27
9	S96T001119_L	-73.16	-.7981	29.16	.1666	-45.99	-299.2
10	S96T001119_	-11.80	.0674	5.262	.1775	-6.721	-53.43
11	S96T001119_D	-12.93	.1001	3.690	.0217	-6.739	-49.58
12	S96T001119_A	607.5	630.8	.3601	608.4	590.6	1171.
13	CCV	5.218	5.276	-.0224	5.071	4.969	10.28
~~14~~	~~CCB~~ JK 4-15-96	-.0270	-.0003	.0070	.0000	-.0280	-.1027
15	CCB	-.0373	-.0005	.0075	-.0002	-.0122	-.1412
16	S96T001120_L	-16.80	-.2433	4.873	.3994	-2.202	-71.99
17	S96T001120_	-3.286	-.0386	.8407	-.0441	-1.089	-12.12
18	S96T001120_D	-3.293	-.0331	1.216	.0554	-1.468	-12.27
19	S96T001120_A	100.8	104.8	.0620	101.0	96.16	194.3
~~20~~	~~S96T001121_L~~ JK 4-15-96	-5.717	-.0876	3.396	.0680	-1.905	-24.75
21	S96T001121_L	-5.897	-.0657	1.538	-.0399	-3.357	-23.50
22	S96T001121_	-1.286	-.0024	.5826	-.0168	-.2273	-5.057
23	S96T001121_D	-1.339	-.0024	.2795	-.0180	-.5332	-5.163
24	S96T001121_A	41.35	42.88	.2826	41.56	40.01	80.55
25	ICSA	-.0302	-.0027	.0113	.0010	-.0438	.0203
26	ICSAB	-.0234	-.0026	.0141	.0020	-.0122	.0202
27	CCV_1	5.180	5.249	-.0172	5.062	4.974	10.23
28	CCB_1	-.0382	-.0005	.0138	.0001	.0009	-.1492

#	Sample Name	V	Y	Zn	Zr
1	ICV	5.108	.0057	5.077	5.044
2	ICB	-.0013	.0000	.0008	-.0005
3	ICSA	-.0020	.0069	-.0015	-.0041
4	ICSAB	.4779	.0064	.9767	-.0062
5	S96T001110_L	-.0327	-.0159	1.008	-.0799
6	S96T001110_	.0094	-.0069	1.158	-.0233
7	S96T001110_D	.0117	-.0069	1.131	-.0198
8	S96T001110_A	6.141	.0018	6.975	6.004
9	S96T001119_L	-15.56	-3.172	12.68	-10.38
10	S96T001119_	-2.025	-.4957	15.17	-1.885
11	S96T001119_D	-2.247	-.4973	15.02	-1.769
12	S96T001119_A	619.7	.0679	631.9	615.3
13	CCV	5.190	.0046	5.070	5.143
~~14~~	~~CCB~~ JK 4-15-96	-.0051	-.0011	-.0004	-.0039
15	CCB	-.0067	-.0014	-.0001	-.0050
16	S96T001120_L	-3.494	-.7218	6.242	-2.604
17	S96T001120_	-.5715	-.1374	6.462	-.4507
18	S96T001120_D	-.4808	-.1215	5.997	-.5155
19	S96T001120_A	102.9	-.0113	107.6	102.0
~~20~~	~~S96T001121_L~~ JK 4-15-96	-1.124	-.2306	.4270	-1.023
21	S96T001121_L	-1.021	-.2311	2.956	-.8155

Analysis Report Averages Mon 04-15-96 10:01:36 AM page 6

#	Sample Name	V	Y	Zn	Zr
22	S96T001121	-.2143	-.0557	3.011	-.1743
23	S96T001121_D	-.2435	-.0589	3.426	-.1802
24	S96T001121_A	42.42	.0108	44.98	41.84
25	ICSA	-.0069	.0056	-.0009	-.0081
26	ICSAB	.4801	.0062	.9803	-.0075
27	CCV_1	5.192	.0045	5.077	5.120
28	CCB_1	-.0065	-.0015	-.0002	-.0054

JK [illegible]
04-15-96

LABCORE Data Entry Template for Worklist# 7526

Analyst: DK Sato **Instrument:** ICP01-2 4-11-96 **Book#** 58848B 4-11-96

Method: LA-505-151/161 Rev/Mod B.0

Worklist Comment: ICP U-107 (ACID DIGEST)

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	ICV				@ICP-QC	QC		
2	ICB				@ICP-QC	QC		
3	ICSA				@ICP-QC	QC		
4	ICSAB				@ICP-QC	QC		
5	PREPSTDTJA				@ICP-A01	SOLID		
6	PREPBLKTJA				@ICP-A01	SOLID		
7	SERDIL	S96T001080	0	A	@ICP-A01	SOLID		
8	SAMPLE	S96T001080	0	A	@ICP-A01	SOLID	96000126	U-107
		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			
9	DUP	S96T001080	0	A	@ICP-A01	SOLID		
10	SPK-PREDIG	S96T001080	0	A	@ICP-A01	SOLID		
11	CCV				@ICP-QC	QC		
12	CCB				@ICP-QC	QC		
13	SERDIL	S96T001081	0	A	@ICP-A01	SOLID		
14	SAMPLE	S96T001081	0	A	@ICP-A01	SOLID	96000126	U-107
		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 ,			

Data Entry Comments:

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

LABCORE Data Entry Template for Worklist# 7526

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
					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			
15	DUP	S96T001081	0	A	@ICP-A01	SOLID		
16	SERDIL	S96T001082	0	A	@ICP-A01	SOLID		
17	SAMPLE	S96T001082	0	A	@ICP-A01	SOLID	96000126	U-107
		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	DUP	S96T001082	0	A	@ICP-A01	SOLID		
19	SERDIL	S96T001083	0	A	@ICP-A01	SOLID		
20	SAMPLE	S96T001083	0	A	@ICP-A01	SOLID	96000126	U-107
		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			
21	DUP	S96T001083	0	A	@ICP-A01	SOLID		
22	CCV				@ICP-QC	QC		
23	CCB				@ICP-QC	QC		
24	SERDIL	S96T001084	0	A	@ICP-A01	SOLID		
25	SAMPLE	S96T001084	0	A	@ICP-A01	SOLID	96000126	U-107
		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 ,			

Data Entry Comments:

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

LABCORE Data Entry Template for Worklist# 7526

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
					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			
26	DUP	S96T001084	0	A	@ICP-A01	SOLID		
27	ICSA				@ICP-QC	QC		
28	ICSAB				@ICP-QC	QC		
29	CCV				@ICP-QC	QC		
30	CCB				@ICP-QC	QC		

Final page for worklist # 7526

DK [illegible] 04-11-96
Analyst Signature **Date**

Reviewed by: [illegible] 4/16/96
Analyst Signature **Date**

repStd TJG , direct
repblk TJG , direct

96T001080_L , 3-4-2-8 , DF 15
96T001080 3-4 3
96T001080_D 3-4 3
96T001080_S 3-4 3
96T001081_L , 3-4-2-8 , DF 15
96T001081 3-4 3
96T001081_D 3-4 3
96T001082_L , 3-4-2-8 , DF 15
96T001082 3-4 3
96T001082_D 3-4 3
96T001083_L , 3-4-2-8 , DF 15
96T001083 3-4 3
96T001083_D 3-4 3
96T001084_L , 3-4-2-8 , DF 15
96T001084 3-4 3
96T001084_D 3-4 3

Data Entry Comments:

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

LABCORE Completed Worklist Report for Worklist# 7526

Analyst: dks **Instrument:** ICP02 **Book#** 53B48B

Method: LA505-161 Rev/Mod B-0

Worklist Comment: ICP U-107 (ACID DIGEST)

Seq	Type	Sample#	R	A		Test	Matrix	Actual	Found	DL or Yield	Unit
1	ICV		0		@ICP-QC	AG	QC	5.0	4.93e+00	98.600	% 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	5.14e+00	102.800	% Recovery
1	ICV		0		@ICP-QC	B	QC	5.0	5.00e+00	100.000	% Recovery
1	ICV		0		@ICP-QC	BA	QC	5.0	5.01e+00	100.200	% Recovery
1	ICV		0		@ICP-QC	BE	QC	5.0	5.22e+00	104.400	% Recovery
1	ICV		0		@ICP-QC	BI	QC	5.0	5.10e+00	102.000	% Recovery
1	ICV		0		@ICP-QC	CA	QC	5.0	5.04e+00	100.800	% Recovery
1	ICV		0		@ICP-QC	CD	QC	5.0	4.96e+00	99.200	% Recovery
1	ICV		0		@ICP-QC	CE	QC	5.0	5.17e+00	103.400	% 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	5.05e+00	101.000	% Recovery
1	ICV		0		@ICP-QC	CU	QC	5.0	5.19e+00	103.800	% Recovery
1	ICV		0		@ICP-QC	FE	QC	5.0	5.05e+00	101.000	% Recovery
1	ICV		0		@ICP-QC	K	QC	5.0	5.09e+00	101.800	% Recovery
1	ICV		0		@ICP-QC	LA	QC	5.0	5.08e+00	101.600	% Recovery
1	ICV		0		@ICP-QC	LI	QC	5.0	5.06e+00	101.200	% 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	4.88e+00	97.600	% Recovery
1	ICV		0		@ICP-QC	MO	QC	5.0	4.98e+00	99.600	% Recovery
1	ICV		0		@ICP-QC	NA	QC	5.0	4.98e+00	99.600	% Recovery
1	ICV		0		@ICP-QC	ND	QC	5.0	5.12e+00	102.400	% Recovery
1	ICV		0		@ICP-QC	NI	QC	5.0	4.96e+00	99.200	% Recovery
1	ICV		0		@ICP-QC	P	QC	5.0	4.95e+00	99.000	% Recovery
1	ICV		0		@ICP-QC	PB	QC	5.0	4.89e+00	97.800	% Recovery
1	ICV		0		@ICP-QC	S	QC	5.0	4.82e+00	96.400	% Recovery
1	ICV		0		@ICP-QC	SB	QC	5.0	4.77e+00	95.400	% Recovery
1	ICV		0		@ICP-QC	SE	QC	5.0	4.93e+00	98.600	% Recovery
1	ICV		0		@ICP-QC	SI	QC	5.0	4.68e+00	93.600	% Recovery
1	ICV		0		@ICP-QC	SM	QC	5.0	4.96e+00	99.200	% Recovery
1	ICV		0		@ICP-QC	SR	QC	5.0	5.01e+00	100.200	% Recovery
1	ICV		0		@ICP-QC	TI	QC	5.0	4.91e+00	98.200	% Recovery
1	ICV		0		@ICP-QC	TL	QC	5.00	4.83e+00	96.600	% Recovery
1	ICV		0		@ICP-QC	U	QC	10.	9.81e+00	98.100	% Recovery
1	ICV		0		@ICP-QC	V	QC	5.0	5.03e+00	100.600	% Recovery
1	ICV		0		@ICP-QC	ZN	QC	5.0	4.96e+00	99.200	% Recovery
1	ICV		0		@ICP-QC	ZR	QC	5.0	4.93e+00	98.600	% 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# 7526

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	ICSA		0		●ICP-QC	AG	QC	1	<1.00e-2		ug/g
3	ICSA		0		●ICP-QC	AL	QC	250	2.39e+02	95.600	% Recovery
3	ICSA		0		●ICP-QC	AS	QC	1.0	<1.00e-1		ug/g
3	ICSA		0		●ICP-QC	B	QC	1	<5.00e-2		ug/g
3	ICSA		0		●ICP-QC	BA	QC	1	<5.00e-2		ug/g
3	ICSA		0		●ICP-QC	BE	QC	1	<5.00e-3		ug/g
3	ICSA		0		●ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
3	ICSA		0		●ICP-QC	CA	QC	250	2.46e+02	98.400	% Recovery
3	ICSA		0		●ICP-QC	CD	QC	1	<5.00e-3		ug/g
3	ICSA		0		●ICP-QC	CE	QC	1	<1.00e-1		ug/g
3	ICSA		0		●ICP-QC	CO	QC	1	<2.00e-2		ug/g
3	ICSA		0		●ICP-QC	CR	QC	1	<1.00e-2		ug/g
3	ICSA		0		●ICP-QC	CU	QC	1	<1.00e-2		ug/g
3	ICSA		0		●ICP-QC	FE	QC	100	9.30e+01	93.000	% Recovery
3	ICSA		0		●ICP-QC	K	QC	1	<5.00e-1		ug/g
3	ICSA		0		●ICP-QC	LA	QC	1.0	<5.00e-2		ug/g

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

LABCORE Completed Worklist Report for Worklist# 7526

Seq	Type	Sample#	R	A		Test	Matrix	Actual	Found	DL or Yield	Unit
3	ICSA		0		@ICP-QC	LI	QC	1	<1.00e-2		ug/g
3	ICSA		0		@ICP-QC	MG	QC	250	2.42e+02	96.800	% Recovery
3	ICSA		0		@ICP-QC	MN	QC	1.0	<1.00e-2		ug/g
3	ICSA		0		@ICP-QC	MO	QC	1	<5.00e-2		ug/g
3	ICSA		0		@ICP-QC	NA	QC	200	1.99e+02	99.500	% Recovery
3	ICSA		0		@ICP-QC	ND	QC	1	<1.00e-1		ug/g
3	ICSA		0		@ICP-QC	NI	QC	1	<2.00e-2		ug/g
3	ICSA		0		@ICP-QC	P	QC	1.0	<2.00e-1		ug/g
3	ICSA		0		@ICP-QC	PB	QC	1	<1.00e-1		ug/g
3	ICSA		0		@ICP-QC	S	QC	1.0	<1.00e-1		ug/g
3	ICSA		0		@ICP-QC	SB	QC	1	<6.00e-2		ug/g
3	ICSA		0		@ICP-QC	SE	QC	1	<1.00e-1		ug/g
3	ICSA		0		@ICP-QC	SI	QC	1	<5.00e-2		ug/g
3	ICSA		0		@ICP-QC	SM	QC	1	<1.00e-1		ug/g
3	ICSA		0		@ICP-QC	SR	QC	1	<1.00e-2		ug/g
3	ICSA		0		@ICP-QC	TI	QC	1	<1.00e-2		ug/g
3	ICSA		0		@ICP-QC	TL	QC	1.0	<2.00e-1		ug/g
3	ICSA		0		@ICP-QC	U	QC	1	<5.00e-1		ug/g
3	ICSA		0		@ICP-QC	V	QC	1	<5.00e-2		ug/g
3	ICSA		0		@ICP-QC	ZN	QC	1.0	<1.00e-2		ug/g
3	ICSA		0		@ICP-QC	ZR	QC	1	<1.00e-2		ug/g
4	ICSAB		0		@ICP-QC	AG	QC	1.0	9.63e-01	96.300	% Recovery
4	ICSAB		0		@ICP-QC	AL	QC	250	2.44e+02	97.600	% Recovery
4	ICSAB		0		@ICP-QC	AS	QC	1.0	<1.00e-1		ug/g
4	ICSAB		0		@ICP-QC	B	QC	1.0	<5.00e-2		ug/g
4	ICSAB		0		@ICP-QC	BA	QC	0.5	4.91e-01	98.200	% Recovery
4	ICSAB		0		@ICP-QC	BE	QC	0.5	4.89e-01	97.800	% Recovery
4	ICSAB		0		@ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
4	ICSAB		0		@ICP-QC	CA	QC	250	2.48e+02	99.200	% Recovery
4	ICSAB		0		@ICP-QC	CD	QC	1.0	9.45e-01	94.500	% Recovery
4	ICSAB		0		@ICP-QC	CE	QC	1.0	<1.00e-1		ug/g
4	ICSAB		0		@ICP-QC	CO	QC	0.5	4.65e-01	93.000	% Recovery
4	ICSAB		0		@ICP-QC	CR	QC	0.5	4.80e-01	96.000	% Recovery
4	ICSAB		0		@ICP-QC	CU	QC	0.5	4.92e-01	98.400	% Recovery
4	ICSAB		0		@ICP-QC	FE	QC	100	9.25e+01	92.500	% Recovery
4	ICSAB		0		@ICP-QC	K	QC	1.0	<5.00e-1		ug/g
4	ICSAB		0		@ICP-QC	LA	QC	1.0	<5.00e-2		ug/g
4	ICSAB		0		@ICP-QC	LI	QC	1.0	9.96e-01	99.600	% Recovery
4	ICSAB		0		@ICP-QC	MG	QC	250	2.46e+02	98.400	% Recovery
4	ICSAB		0		@ICP-QC	MN	QC	0.5	4.48e-01	89.600	% Recovery
4	ICSAB		0		@ICP-QC	MO	QC	1.0	<5.00e-2		ug/g
4	ICSAB		0		@ICP-QC	NA	QC	200	1.98e+02	99.000	% Recovery
4	ICSAB		0		@ICP-QC	ND	QC	1.0	<1.00e-1		ug/g
4	ICSAB		0		@ICP-QC	NI	QC	1.0	9.09e-01	90.900	% Recovery
4	ICSAB		0		@ICP-QC	P	QC	1.0	<2.00e-1		ug/g
4	ICSAB		0		@ICP-QC	PB	QC	1.0	9.77e-01	97.700	% Recovery
4	ICSAB		0		@ICP-QC	S	QC	1.0	<1.00e-1		ug/g
4	ICSAB		0		@ICP-QC	SB	QC	1.0	<6.00e-2		ug/g
4	ICSAB		0		@ICP-QC	SE	QC	1.0	<1.00e-1		ug/g

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

LABCORE Completed Worklist Report for Worklist# 7526

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
4	ICSAB		0		@ICP-QC SI	QC	1.0	<5.00e-2		ug/g
4	ICSAB		0		@ICP-QC SM	QC	1.0	<1.00e-1		ug/g
4	ICSAB		0		@ICP-QC SR	QC	1.0	<1.00e-2		ug/g
4	ICSAB		0		@ICP-QC TI	QC	1.0	<1.00e-2		ug/g
4	ICSAB		0		@ICP-QC TL	QC	1.0	<2.00e-1		ug/g
4	ICSAB		0		@ICP-QC U	QC	1.0	<5.00e-1		ug/g
4	ICSAB		0		@ICP-QC V	QC	0.5	4.72e-01	94.400	% Recovery
4	ICSAB		0		@ICP-QC ZN	QC	1.0	9.59e-01	95.900	% Recovery
4	ICSAB		0		@ICP-QC ZR	QC	1.0	<1.00e-2		ug/g
5	PREPSTDTJA		0		@ICP-A01 AG-A-01	SOLID	1.0	9.48e-01	94.800	% Recovery
5	PREPSTDTJA		0		@ICP-A01 AL-A-01	SOLID	5.0	4.96e+00	99.200	% Recovery
5	PREPSTDTJA		0		@ICP-A01 AS-A-01	SOLID	5.0	4.92e+00	98.400	% Recovery
5	PREPSTDTJA		0		@ICP-A01 B-A-01	SOLID	5.0	5.53e+00	110.600	% Recovery
5	PREPSTDTJA		0		@ICP-A01 BA-A-01	SOLID	5.0	4.88e+00	97.600	% Recovery
5	PREPSTDTJA		0		@ICP-A01 BE-A-01	SOLID	5.0	5.44e+00	108.800	% Recovery
5	PREPSTDTJA		0		@ICP-A01 BI-A-01	SOLID	5.0	4.76e+00	95.200	% Recovery
5	PREPSTDTJA		0		@ICP-A01 CA-A-01	SOLID	5.0	4.79e+00	95.800	% Recovery
5	PREPSTDTJA		0		@ICP-A01 CD-A-01	SOLID	5.0	4.68e+00	93.600	% Recovery
5	PREPSTDTJA		0		@ICP-A01 CE-A-01	SOLID	5.0	5.02e+00	100.400	% Recovery
5	PREPSTDTJA		0		@ICP-A01 CO-A-01	SOLID	5.0	4.80e+00	96.000	% Recovery
5	PREPSTDTJA		0		@ICP-A01 CR-A-01	SOLID	5.0	4.72e+00	94.400	% Recovery
5	PREPSTDTJA		0		@ICP-A01 CU-A-01	SOLID	5.0	4.90e+00	98.000	% Recovery
5	PREPSTDTJA		0		@ICP-A01 FE-A-01	SOLID	5.0	4.76e+00	95.200	% Recovery
5	PREPSTDTJA		0		@ICP-A01 K-A-01	SOLID	5.0	4.82e+00	96.400	% Recovery
5	PREPSTDTJA		0		@ICP-A01 LA-A-01	SOLID	5.0	4.93e+00	98.600	% Recovery
5	PREPSTDTJA		0		@ICP-A01 LI-A-01	SOLID	5.0	5.01e+00	100.200	% Recovery
5	PREPSTDTJA		0		@ICP-A01 MG-A-01	SOLID	5.0	4.70e+00	94.000	% Recovery
5	PREPSTDTJA		0		@ICP-A01 MN-A-01	SOLID	5.0	4.63e+00	92.600	% Recovery
5	PREPSTDTJA		0		@ICP-A01 MO-A-01	SOLID	5.0	4.70e+00	94.000	% Recovery
5	PREPSTDTJA		0		@ICP-A01 NA-A-01	SOLID	5.0	6.00e+00	120.000	% Recovery
5	PREPSTDTJA		0		@ICP-A01 ND-A-01	SOLID	5.0	5.01e+00	100.200	% Recovery
5	PREPSTDTJA		0		@ICP-A01 NI-A-01	SOLID	5.0	4.81e+00	96.200	% Recovery
5	PREPSTDTJA		0		@ICP-A01 P-A-01	SOLID	5.0	4.90e+00	98.000	% Recovery
5	PREPSTDTJA		0		@ICP-A01 PB-A-01	SOLID	5.0	4.48e+00	89.600	% Recovery
5	PREPSTDTJA		0		@ICP-A01 S-A-01	SOLID	5.0	4.83e+00	96.600	% Recovery
5	PREPSTDTJA		0		@ICP-A01 SB-A-01	SOLID	5.0	4.74e+00	94.800	% Recovery
5	PREPSTDTJA		0		@ICP-A01 SE-A-01	SOLID	5.0	4.74e+00	94.800	% Recovery
5	PREPSTDTJA		0		@ICP-A01 SI-A-01	SOLID	5.0	5.68e+00	113.600	% Recovery
5	PREPSTDTJA		0		@ICP-A01 SM-A-01	SOLID	5.0	4.96e+00	99.200	% Recovery
5	PREPSTDTJA		0		@ICP-A01 SR-A-01	SOLID	5.0	4.86e+00	97.200	% Recovery
5	PREPSTDTJA		0		@ICP-A01 TL-A-01	SOLID	5.0	4.62e+00	92.400	% Recovery
5	PREPSTDTJA		0		@ICP-A01 U-A-01	SOLID	10.	9.97e+00	99.700	% Recovery
5	PREPSTDTJA		0		@ICP-A01 V-A-01	SOLID	5.0	4.75e+00	95.000	% Recovery
5	PREPSTDTJA		0		@ICP-A01 ZN-A-01	SOLID	5.0	4.60e+00	92.000	% Recovery
5	PREPSTDTJA		0		@ICP-A01 ZR-A-01	SOLID	5.0	4.91e+00	98.200	% Recovery
5	PREPSTDTJA		0		@ICP-A01 TI-A-01	SOLID	5.0	4.43e+00	88.600	% Recovery
6	PREPBLKTJA		0		@ICP-A01 AG-A-01	SOLID	1	<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 AL-A-01	SOLID	1	9.21e-02	9.000e-002	ug/g
6	PREPBLKTJA		0		@ICP-A01 AS-A-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# 7526

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
6	PREPBLKTJA		0		@ICP-A01 B-A-01	SOLID	1	3.17e-01	0.320	ug/g
6	PREPBLKTJA		0		@ICP-A01 BA-A-01	SOLID	1	<5.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 BE-A-01	SOLID	1	<5.00e-3		ug/g
6	PREPBLKTJA		0		@ICP-A01 BI-A-01	SOLID	1	<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 CA-A-01	SOLID	1	1.12e-01	0.110	ug/g
6	PREPBLKTJA		0		@ICP-A01 CD-A-01	SOLID	1	<5.00e-3		ug/g
6	PREPBLKTJA		0		@ICP-A01 CE-A-01	SOLID	1	<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 CO-A-01	SOLID	1	<2.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 CR-A-01	SOLID	1	<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 CU-A-01	SOLID	1	1.60e-02	2.000e-002	ug/g
6	PREPBLKTJA		0		@ICP-A01 FE-A-01	SOLID	1	<5.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 K-A-01	SOLID	1	<5.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 LA-A-01	SOLID	1	<5.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 LI-A-01	SOLID	1	<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 MG-A-01	SOLID	1	<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 MN-A-01	SOLID	1	<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 MO-A-01	SOLID	1	<5.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 NA-A-01	SOLID	1	5.67e-01	0.570	ug/g
6	PREPBLKTJA		0		@ICP-A01 ND-A-01	SOLID	1	<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 NI-A-01	SOLID	1	<2.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 P-A-01	SOLID	1	<2.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 PB-A-01	SOLID	1	<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 S-A-01	SOLID	1	<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 SB-A-01	SOLID	1	<6.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 SE-A-01	SOLID	1	<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 SI-A-01	SOLID	1	9.79e-02	0.100	ug/g
6	PREPBLKTJA		0		@ICP-A01 SM-A-01	SOLID	1	<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 SR-A-01	SOLID	1	<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 TL-A-01	SOLID	1	<2.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 U-A-01	SOLID	1	<5.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 V-A-01	SOLID	1	<5.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 ZN-A-01	SOLID	1	<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 ZR-A-01	SOLID	1	<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 TI-A-01	SOLID	1	<1.00e-2		ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 AG-A-01	SOLID	N/A	1.67e+01	5.940	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 AL-A-01	SOLID	N/A	3.09e+03	29.700	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 AS-A-01	SOLID	N/A <	5.94e+01	59.400	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 B-A-01	SOLID	N/A	8.75e+01	29.700	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 BA-A-01	SOLID	N/A <	2.97e+01	29.700	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 BE-A-01	SOLID	N/A <	2.97e+00	2.970	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 BI-A-01	SOLID	N/A <	5.94e+01	59.400	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 CA-A-01	SOLID	N/A	1.94e+02	59.400	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 CD-A-01	SOLID	N/A <	2.97e+00	2.970	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 CE-A-01	SOLID	N/A <	5.94e+01	59.400	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 CO-A-01	SOLID	N/A <	1.19e+01	11.900	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 CR-A-01	SOLID	N/A	6.16e+02	5.940	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 CU-A-01	SOLID	N/A <	5.94e+00	5.940	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 FE-A-01	SOLID	N/A	1.34e+03	29.700	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 K-A-01	SOLID	N/A	5.91e+02	297.000	ug/g

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

LABCORE Completed Worklist Report for Worklist# 7526

Seq	Type	Sample#	R	A	Test	Matrix	Actual		Found	DL or Yield	Unit
7	SAMPLE	S96T001080	0	A	@ICP-A01 LA-A-01	SOLID	N/A	<	2.97e+01	29.700	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 LI-A-01	SOLID	N/A	<	5.94e+00	5.940	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 MG-A-01	SOLID	N/A	<	5.94e+01	59.400	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 MN-A-01	SOLID	N/A		3.17e+01	5.940	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 MO-A-01	SOLID	N/A	<	2.97e+01	29.700	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 NA-A-01	SOLID	N/A		2.24e+05	59.400	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 ND-A-01	SOLID	N/A	<	5.94e+01	59.400	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 NI-A-01	SOLID	N/A	<	1.19e+01	11.900	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 P-A-01	SOLID	N/A		1.42e+03	119.000	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 PB-A-01	SOLID	N/A	<	5.94e+01	59.400	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 S-A-01	SOLID	N/A		5.43e+02	59.400	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 SB-A-01	SOLID	N/A	<	3.57e+01	35.700	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 SE-A-01	SOLID	N/A	<	5.94e+01	59.400	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 SI-A-01	SOLID	N/A		1.39e+02	29.700	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 SM-A-01	SOLID	N/A	<	5.94e+01	59.400	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 SR-A-01	SOLID	N/A	<	5.94e+00	5.940	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 TI-A-01	SOLID	N/A	<	5.94e+00	5.940	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 TL-A-01	SOLID	N/A	<	1.19e+02	119.000	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 U-A-01	SOLID	N/A	<	2.97e+02	297.000	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 V-A-01	SOLID	N/A	<	2.97e+01	29.700	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 ZN-A-01	SOLID	N/A		1.39e+01	5.940	ug/g
7	SAMPLE	S96T001080	0	A	@ICP-A01 ZR-A-01	SOLID	N/A	<	5.94e+00	5.940	ug/g
8	DUP	S96T001080	0	A	@ICP-A01 AG-A-01	SOLID	1.67e+01		1.48e+01	12.060	RPD
8	DUP	S96T001080	0	A	@ICP-A01 AL-A-01	SOLID	3.09e+03		2.65e+03	15.330	RPD
8	DUP	S96T001080	0	A	@ICP-A01 AS-A-01	SOLID	<5.94e1		<5.06e1		RPD
8	DUP	S96T001080	0	A	@ICP-A01 B-A-01	SOLID	8.75e+01		7.21e+01	19.300	RPD
8	DUP	S96T001080	0	A	@ICP-A01 BA-A-01	SOLID	<2.97e1		<2.53e1		RPD
8	DUP	S96T001080	0	A	@ICP-A01 BE-A-01	SOLID	<2.97e0		<2.53e0		RPD
8	DUP	S96T001080	0	A	@ICP-A01 BI-A-01	SOLID	<5.94e1		<5.06e1		RPD
8	DUP	S96T001080	0	A	@ICP-A01 CA-A-01	SOLID	1.94e+02		1.63e+02	17.370	RPD
8	DUP	S96T001080	0	A	@ICP-A01 CD-A-01	SOLID	<2.97e0		<2.53e0		RPD
8	DUP	S96T001080	0	A	@ICP-A01 CE-A-01	SOLID	<5.94e1		<5.06e1		RPD
8	DUP	S96T001080	0	A	@ICP-A01 CO-A-01	SOLID	<1.19e1		<1.01e1		RPD
8	DUP	S96T001080	0	A	@ICP-A01 CR-A-01	SOLID	6.16e+02		5.28e+02	15.380	RPD
8	DUP	S96T001080	0	A	@ICP-A01 CU-A-01	SOLID	<5.94e0		<5.06e0		RPD
8	DUP	S96T001080	0	A	@ICP-A01 FE-A-01	SOLID	1.34e+03		1.14e+03	16.130	RPD
8	DUP	S96T001080	0	A	@ICP-A01 K-A-01	SOLID	5.91e+02		4.65e+02	23.860	RPD
8	DUP	S96T001080	0	A	@ICP-A01 LA-A-01	SOLID	<2.97e1		<2.53e1		RPD
8	DUP	S96T001080	0	A	@ICP-A01 LI-A-01	SOLID	<5.94e0		<5.06e0		RPD
8	DUP	S96T001080	0	A	@ICP-A01 MG-A-01	SOLID	<5.94e1		<5.06e1		RPD
8	DUP	S96T001080	0	A	@ICP-A01 MN-A-01	SOLID	3.17e+01		2.70e+01	16.010	RPD
8	DUP	S96T001080	0	A	@ICP-A01 MO-A-01	SOLID	<2.97e1		<2.53e1		RPD
8	DUP	S96T001080	0	A	@ICP-A01 NA-A-01	SOLID	2.24e+05		1.92e+05	15.380	RPD
8	DUP	S96T001080	0	A	@ICP-A01 ND-A-01	SOLID	<5.94e1		<5.06e1		RPD
8	DUP	S96T001080	0	A	@ICP-A01 NI-A-01	SOLID	<1.19e1		<1.01e1		RPD
8	DUP	S96T001080	0	A	@ICP-A01 P-A-01	SOLID	1.42e+03		1.22e+03	15.150	RPD
8	DUP	S96T001080	0	A	@ICP-A01 PB-A-01	SOLID	<5.94e1		<5.06e1		RPD
8	DUP	S96T001080	0	A	@ICP-A01 S-A-01	SOLID	5.43e+02		4.63e+02	15.900	RPD
8	DUP	S96T001080	0	A	@ICP-A01 SB-A-01	SOLID	<3.57e1		<3.04e1		RPD

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

LABCORE Completed Worklist Report for Worklist# 7526

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
8	DUP	S96T001080	0	A	@ICP-A01 SE-A-01	SOLID	<5.94e1	<5.06e1		RPD
8	DUP	S96T001080	0	A	@ICP-A01 SI-A-01	SOLID	1.39e+02	1.19e+02	15.500	RPD
8	DUP	S96T001080	0	A	@ICP-A01 SM-A-01	SOLID	<5.94e1	<5.06e1		RPD
8	DUP	S96T001080	0	A	@ICP-A01 SR-A-01	SOLID	<5.94e0	<5.06e0		RPD
8	DUP	S96T001080	0	A	@ICP-A01 TL-A-01	SOLID	<1.19e2	<1.01e2		RPD
8	DUP	S96T001080	0	A	@ICP-A01 U-A-01	SOLID	<2.97e2	<2.53e2		RPD
8	DUP	S96T001080	0	A	@ICP-A01 V-A-01	SOLID	<2.97e1	<2.53e1		RPD
8	DUP	S96T001080	0	A	@ICP-A01 ZN-A-01	SOLID	1.39e+01	1.23e+01	12.210	RPD
8	DUP	S96T001080	0	A	@ICP-A01 ZR-A-01	SOLID	<5.94e0	<5.06e0		RPD
8	DUP	S96T001080	0	A	@ICP-A01 TI-A-01	SOLID	<5.94e0	<5.06e0		RPD
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 AG-A-01	SOLID	1.000	0.749	74.900	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 AL-A-01	SOLID	5.000	2.304	46.080	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 AS-A-01	SOLID	5.000	3.92e+00	78.400	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 B-A-01	SOLID	5.000	3.728	74.560	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 BA-A-01	SOLID	5.000	3.77e+00	75.400	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 BE-A-01	SOLID	5.000	3.90e+00	78.000	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 BI-A-01	SOLID	5.000	3.72e+00	74.400	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 CA-A-01	SOLID	5.000	3.319	66.380	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 CD-A-01	SOLID	5.000	3.74e+00	74.800	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 CE-A-01	SOLID	5.000	3.98e+00	79.600	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 CO-A-01	SOLID	5.000	3.80e+00	76.000	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 CR-A-01	SOLID	5.000	3.419	68.380	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 CU-A-01	SOLID	5.000	3.79e+00	75.800	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 FE-A-01	SOLID	5.000	<1.50e-1		% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 K-A-01	SOLID	5.000	3.088	61.760	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 LA-A-01	SOLID	5.000	3.86e+00	77.200	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 LI-A-01	SOLID	5.000	3.85e+00	77.000	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 MG-A-01	SOLID	5.000	3.76e+00	75.200	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 MN-A-01	SOLID	5.000	3.540	70.800	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 MO-A-01	SOLID	5.000	3.74e+00	74.800	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 NA-A-01	SOLID	5.000	<3.00e-1		% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 ND-A-01	SOLID	5.000	3.90e+00	78.000	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 NI-A-01	SOLID	5.000	3.86e+00	77.200	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 P-A-01	SOLID	5.000	4.521	90.420	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 PB-A-01	SOLID	5.000	3.58e+00	71.600	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 S-A-01	SOLID	5.000	3.650	73.000	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 SB-A-01	SOLID	5.000	3.83e+00	76.600	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 SE-A-01	SOLID	5.000	3.83e+00	76.600	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 SI-A-01	SOLID	5.000	2.227	44.540	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 SM-A-01	SOLID	5.000	3.80e+00	76.000	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 SR-A-01	SOLID	5.000	3.78e+00	75.600	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 TL-A-01	SOLID	5.000	3.62e+00	72.400	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 U-A-01	SOLID	10.000	7.60e+00	76.000	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 V-A-01	SOLID	5.000	3.72e+00	74.400	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 ZN-A-01	SOLID	5.000	3.690	73.800	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 ZR-A-01	SOLID	5.000	3.80e+00	76.000	% Recovery
9	SPK-PREDIGS	S96T001080	0	A	@ICP-A01 TI-A-01	SOLID	5.000	3.47e+00	69.400	% Recovery
10	CCV		0		@ICP-QC AG	QC	5.0	4.85e+00	97.000	% Recovery
10	CCV		0		@ICP-QC AL	QC	5.0	4.97e+00	99.400	% Recovery

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

LABCORE Completed Worklist Report for Worklist# 7526

Seq	Type	Sample#	R	A		Test	Matrix	Actual	Found	DL or Yield	Unit
10	CCV		0		●ICP-QC	AS	QC	5.0	5.07e+00	101.400	% Recovery
10	CCV		0		●ICP-QC	B	QC	5.0	5.02e+00	100.400	% Recovery
10	CCV		0		●ICP-QC	BA	QC	5.0	4.95e+00	99.000	% Recovery
10	CCV		0		●ICP-QC	BE	QC	5.0	5.19e+00	103.800	% Recovery
10	CCV		0		●ICP-QC	BI	QC	5.0	4.92e+00	98.400	% Recovery
10	CCV		0		●ICP-QC	CA	QC	5.0	4.96e+00	99.200	% Recovery
10	CCV		0		●ICP-QC	CD	QC	5.0	4.87e+00	97.400	% Recovery
10	CCV		0		●ICP-QC	CE	QC	5.0	5.02e+00	100.400	% Recovery
10	CCV		0		●ICP-QC	CO	QC	5.0	4.92e+00	98.400	% Recovery
10	CCV		0		●ICP-QC	CR	QC	5.0	4.97e+00	99.400	% Recovery
10	CCV		0		●ICP-QC	CU	QC	5.0	5.17e+00	103.400	% Recovery
10	CCV		0		●ICP-QC	FE	QC	5.0	4.98e+00	99.600	% Recovery
10	CCV		0		●ICP-QC	K	QC	5.0	4.97e+00	99.400	% Recovery
10	CCV		0		●ICP-QC	LA	QC	5.0	4.96e+00	99.200	% Recovery
10	CCV		0		●ICP-QC	LI	QC	5.0	5.10e+00	102.000	% Recovery
10	CCV		0		●ICP-QC	MG	QC	5.0	4.96e+00	99.200	% Recovery
10	CCV		0		●ICP-QC	MN	QC	5.0	4.82e+00	96.400	% Recovery
10	CCV		0		●ICP-QC	MO	QC	5.0	4.92e+00	98.400	% Recovery
10	CCV		0		●ICP-QC	NA	QC	5.0	4.94e+00	98.800	% Recovery
10	CCV		0		●ICP-QC	ND	QC	5.0	5.14e+00	102.800	% Recovery
10	CCV		0		●ICP-QC	NI	QC	5.0	4.92e+00	98.400	% Recovery
10	CCV		0		●ICP-QC	P	QC	5.0	4.92e+00	98.400	% Recovery
10	CCV		0		●ICP-QC	PB	QC	5.0	4.77e+00	95.400	% 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	4.70e+00	94.000	% Recovery
10	CCV		0		●ICP-QC	SE	QC	5.0	5.02e+00	100.400	% Recovery
10	CCV		0		●ICP-QC	SI	QC	5.0	4.65e+00	93.000	% Recovery
10	CCV		0		●ICP-QC	SM	QC	5.0	5.00e+00	100.000	% 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	4.83e+00	96.600	% Recovery
10	CCV		0		●ICP-QC	TL	QC	5.0	4.84e+00	96.800	% Recovery
10	CCV		0		●ICP-QC	U	QC	10.	1.01e+01	101.000	% 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	4.94e+00	98.800	% 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# 7526

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	SAMPLE	S96T001081	0	A	@ICP-A01	AG-A-01	SOLID	N/A		1.53e+01	5.660	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	AL-A-01	SOLID	N/A		4.51e+03	28.300	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	AS-A-01	SOLID	N/A	<	5.65e+01	56.500	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	B-A-01	SOLID	N/A		5.11e+01	28.300	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	BA-A-01	SOLID	N/A	<	2.83e+01	28.300	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	BE-A-01	SOLID	N/A	<	2.83e+00	2.830	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	BI-A-01	SOLID	N/A	<	5.65e+01	56.500	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	CA-A-01	SOLID	N/A		2.07e+02	56.500	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	CD-A-01	SOLID	N/A	<	2.83e+00	2.830	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	CE-A-01	SOLID	N/A	<	5.65e+01	56.500	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	CO-A-01	SOLID	N/A	<	1.13e+01	11.300	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	CR-A-01	SOLID	N/A		1.21e+03	5.660	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	CU-A-01	SOLID	N/A	<	5.65e+00	5.660	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	FE-A-01	SOLID	N/A		1.76e+02	28.300	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	K-A-01	SOLID	N/A		6.84e+02	283.000	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	LA-A-01	SOLID	N/A	<	2.83e+01	28.300	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	LI-A-01	SOLID	N/A	<	5.65e+00	5.660	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	MG-A-01	SOLID	N/A	<	5.65e+01	56.500	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	MN-A-01	SOLID	N/A		4.73e+01	5.660	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	MO-A-01	SOLID	N/A	<	2.83e+01	28.300	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	NA-A-01	SOLID	N/A		2.01e+05	56.500	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	ND-A-01	SOLID	N/A	<	5.65e+01	56.500	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	NI-A-01	SOLID	N/A	<	1.13e+01	11.300	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	P-A-01	SOLID	N/A		2.10e+03	113.000	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	PB-A-01	SOLID	N/A	<	5.65e+01	56.500	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	S-A-01	SOLID	N/A		1.23e+03	56.500	ug/g

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

WHC-SD-WM-DP-184, REV. |

LABCORE Completed Worklist Report for Worklist# 7526

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
12	SAMPLE	S96T001081	0	A	@ICP-A01	SB-A-01	SOLID	N/A <	3.39e+01	33.900	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	SE-A-01	SOLID	N/A <	5.65e+01	56.500	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	SI-A-01	SOLID	N/A	7.85e+01	28.300	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	SM-A-01	SOLID	N/A <	5.65e+01	56.500	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	SR-A-01	SOLID	N/A <	5.65e+00	5.660	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	TI-A-01	SOLID	N/A <	5.65e+00	5.660	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	TL-A-01	SOLID	N/A <	1.13e+02	113.000	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	U-A-01	SOLID	N/A <	2.83e+02	283.000	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	V-A-01	SOLID	N/A <	2.83e+01	28.300	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	ZN-A-01	SOLID	N/A	1.53e+01	5.660	ug/g
12	SAMPLE	S96T001081	0	A	@ICP-A01	ZR-A-01	SOLID	N/A <	5.65e+00	5.660	ug/g
13	DUP	S96T001081	0	A	@ICP-A01	AG-A-01	SOLID	1.53e+01	1.65e+01	7.550	RPD
13	DUP	S96T001081	0	A	@ICP-A01	AL-A-01	SOLID	4.51e+03	4.69e+03	3.910	RPD
13	DUP	S96T001081	0	A	@ICP-A01	AS-A-01	SOLID	<5.65e1	<5.85e1		RPD
13	DUP	S96T001081	0	A	@ICP-A01	B-A-01	SOLID	5.11e+01	5.44e+01	6.260	RPD
13	DUP	S96T001081	0	A	@ICP-A01	BA-A-01	SOLID	<2.83e1	<2.93e1		RPD
13	DUP	S96T001081	0	A	@ICP-A01	BE-A-01	SOLID	<2.83e0	<2.93e0		RPD
13	DUP	S96T001081	0	A	@ICP-A01	BI-A-01	SOLID	<5.65e1	<5.85e1		RPD
13	DUP	S96T001081	0	A	@ICP-A01	CA-A-01	SOLID	2.07e+02	2.18e+02	5.180	RPD
13	DUP	S96T001081	0	A	@ICP-A01	CD-A-01	SOLID	<2.83e0	<2.93e0		RPD
13	DUP	S96T001081	0	A	@ICP-A01	CE-A-01	SOLID	<5.65e1	<5.85e1		RPD
13	DUP	S96T001081	0	A	@ICP-A01	CO-A-01	SOLID	<1.13e1	<1.17e1		RPD
13	DUP	S96T001081	0	A	@ICP-A01	CR-A-01	SOLID	1.21e+03	1.26e+03	4.050	RPD
13	DUP	S96T001081	0	A	@ICP-A01	CU-A-01	SOLID	<5.65e0	<5.85e0		RPD
13	DUP	S96T001081	0	A	@ICP-A01	FE-A-01	SOLID	1.76e+02	1.83e+02	3.900	RPD
13	DUP	S96T001081	0	A	@ICP-A01	K-A-01	SOLID	6.84e+02	8.14e+02	17.360	RPD
13	DUP	S96T001081	0	A	@ICP-A01	LA-A-01	SOLID	<2.83e1	<2.93e1		RPD
13	DUP	S96T001081	0	A	@ICP-A01	LI-A-01	SOLID	<5.65e0	<5.85e0		RPD
13	DUP	S96T001081	0	A	@ICP-A01	MG-A-01	SOLID	<5.65e1	<5.85e1		RPD
13	DUP	S96T001081	0	A	@ICP-A01	MN-A-01	SOLID	4.73e+01	4.94e+01	4.340	RPD
13	DUP	S96T001081	0	A	@ICP-A01	MO-A-01	SOLID	<2.83e1	<2.93e1		RPD
13	DUP	S96T001081	0	A	@ICP-A01	NA-A-01	SOLID	2.01e+05	2.09e+05	3.900	RPD
13	DUP	S96T001081	0	A	@ICP-A01	ND-A-01	SOLID	<5.65e1	<5.85e1		RPD
13	DUP	S96T001081	0	A	@ICP-A01	NI-A-01	SOLID	<1.13e1	<1.17e1		RPD
13	DUP	S96T001081	0	A	@ICP-A01	P-A-01	SOLID	2.10e+03	2.19e+03	4.200	RPD
13	DUP	S96T001081	0	A	@ICP-A01	PB-A-01	SOLID	<5.65e1	<5.85e1		RPD
13	DUP	S96T001081	0	A	@ICP-A01	S-A-01	SOLID	1.23e+03	1.27e+03	3.200	RPD
13	DUP	S96T001081	0	A	@ICP-A01	SB-A-01	SOLID	<3.39e1	<3.51e1		RPD
13	DUP	S96T001081	0	A	@ICP-A01	SE-A-01	SOLID	<5.65e1	<5.85e1		RPD
13	DUP	S96T001081	0	A	@ICP-A01	SI-A-01	SOLID	7.85e+01	8.21e+01	4.480	RPD
13	DUP	S96T001081	0	A	@ICP-A01	SM-A-01	SOLID	<5.65e1	<5.85e1		RPD
13	DUP	S96T001081	0	A	@ICP-A01	SR-A-01	SOLID	<5.65e0	<5.85e0		RPD
13	DUP	S96T001081	0	A	@ICP-A01	TL-A-01	SOLID	<1.13e2	<1.17e2		RPD
13	DUP	S96T001081	0	A	@ICP-A01	U-A-01	SOLID	<2.83e2	<2.93e2		RPD
13	DUP	S96T001081	0	A	@ICP-A01	V-A-01	SOLID	<2.83e1	<2.93e1		RPD
13	DUP	S96T001081	0	A	@ICP-A01	ZN-A-01	SOLID	1.53e+01	1.60e+01	4.470	RPD
13	DUP	S96T001081	0	A	@ICP-A01	ZR-A-01	SOLID	<5.65e0	<5.85e0		RPD
13	DUP	S96T001081	0	A	@ICP-A01	TI-A-01	SOLID	<5.65e0	<5.85e0		RPD
14	SAMPLE	S96T001082	0	A	@ICP-A01	AG-A-01	SOLID	N/A	1.48e+01	5.320	ug/g

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

LABCORE Completed Worklist Report for Worklist# 7526

Seq	Type	Sample#	R	A	Test	Matrix	Actual		Found	DL or Yield	Unit
14	SAMPLE	S96T001082	0	A	@ICP-A01 AL-A-01	SOLID	N/A		1.95e+04	26.600	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 AS-A-01	SOLID	N/A	<	5.32e+01	53.200	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 B-A-01	SOLID	N/A		4.75e+01	26.600	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 BA-A-01	SOLID	N/A	<	2.66e+01	26.600	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 BE-A-01	SOLID	N/A	<	2.66e+00	2.660	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 BI-A-01	SOLID	N/A		6.34e+01	53.200	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 CA-A-01	SOLID	N/A		3.26e+02	53.200	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 CD-A-01	SOLID	N/A		7.50e+00	2.660	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 CE-A-01	SOLID	N/A	<	5.32e+01	53.200	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 CO-A-01	SOLID	N/A	<	1.06e+01	10.600	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 CR-A-01	SOLID	N/A		6.02e+03	5.320	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 CU-A-01	SOLID	N/A		1.13e+01	5.320	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 FE-A-01	SOLID	N/A		1.72e+03	26.600	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 K-A-01	SOLID	N/A		1.69e+03	266.000	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 LA-A-01	SOLID	N/A	<	2.66e+01	26.600	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 LI-A-01	SOLID	N/A	<	5.32e+00	5.320	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 MG-A-01	SOLID	N/A		1.09e+02	53.200	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 MN-A-01	SOLID	N/A		6.51e+02	5.320	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 MO-A-01	SOLID	N/A		4.77e+01	26.600	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 NA-A-01	SOLID	N/A		1.73e+05	53.200	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 ND-A-01	SOLID	N/A	<	5.32e+01	53.200	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 NI-A-01	SOLID	N/A		5.82e+01	10.600	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 P-A-01	SOLID	N/A		3.65e+03	106.000	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 PB-A-01	SOLID	N/A		1.13e+02	53.200	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 S-A-01	SOLID	N/A		1.52e+03	53.200	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 SB-A-01	SOLID	N/A	<	3.19e+01	31.900	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 SE-A-01	SOLID	N/A	<	5.32e+01	53.200	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 SI-A-01	SOLID	N/A		1.31e+02	26.600	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 SM-A-01	SOLID	N/A	<	5.32e+01	53.200	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 SR-A-01	SOLID	N/A	<	5.32e+00	5.320	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 TI-A-01	SOLID	N/A		5.70e+00	5.320	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 TL-A-01	SOLID	N/A	<	1.06e+02	106.000	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 U-A-01	SOLID	N/A	<	2.66e+02	266.000	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 V-A-01	SOLID	N/A	<	2.66e+01	26.600	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 ZN-A-01	SOLID	N/A		4.20e+01	5.320	ug/g
14	SAMPLE	S96T001082	0	A	@ICP-A01 ZR-A-01	SOLID	N/A		7.95e+00	5.320	ug/g
15	DUP	S96T001082	0	A	@ICP-A01 AG-A-01	SOLID	1.48e+01		1.47e+01	0.680	RPD
15	DUP	S96T001082	0	A	@ICP-A01 AL-A-01	SOLID	1.95e+04		1.83e+04	6.350	RPD
15	DUP	S96T001082	0	A	@ICP-A01 AS-A-01	SOLID	<5.32e1		<5.48e1		RPD
15	DUP	S96T001082	0	A	@ICP-A01 B-A-01	SOLID	4.75e+01		5.05e+01	6.120	RPD
15	DUP	S96T001082	0	A	@ICP-A01 BA-A-01	SOLID	<2.66e1		<2.74e1		RPD
15	DUP	S96T001082	0	A	@ICP-A01 BE-A-01	SOLID	<2.66e0		<2.74e0		RPD
15	DUP	S96T001082	0	A	@ICP-A01 BI-A-01	SOLID	6.34e+01		5.67e+01	11.160	RPD
15	DUP	S96T001082	0	A	@ICP-A01 CA-A-01	SOLID	3.26e+02		3.15e+02	3.430	RPD
15	DUP	S96T001082	0	A	@ICP-A01 CD-A-01	SOLID	7.50e+00		7.79e+00	3.790	RPD
15	DUP	S96T001082	0	A	@ICP-A01 CE-A-01	SOLID	<5.32e1		<5.48e1		RPD
15	DUP	S96T001082	0	A	@ICP-A01 CO-A-01	SOLID	<1.06e1		<1.10e1		RPD
15	DUP	S96T001082	0	A	@ICP-A01 CR-A-01	SOLID	6.02e+03		5.89e+03	2.180	RPD
15	DUP	S96T001082	0	A	@ICP-A01 CU-A-01	SOLID	1.13e+01		1.10e+01	2.690	RPD

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

LABCORE Completed Worklist Report for Worklist# 7526

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
15	DUP	S96T001082	0	A	@ICP-A01 FE-A-01	SOLID	1.72e+03	1.69e+03	1.760	RPD
15	DUP	S96T001082	0	A	@ICP-A01 K-A-01	SOLID	1.69e+03	1.58e+03	6.730	RPD
15	DUP	S96T001082	0	A	@ICP-A01 LA-A-01	SOLID	<2.66e1	<2.74e1		RPD
15	DUP	S96T001082	0	A	@ICP-A01 LI-A-01	SOLID	<5.32e0	<5.48e0		RPD
15	DUP	S96T001082	0	A	@ICP-A01 MG-A-01	SOLID	1.09e+02	1.08e+02	0.920	RPD
15	DUP	S96T001082	0	A	@ICP-A01 MN-A-01	SOLID	6.51e+02	6.30e+02	3.280	RPD
15	DUP	S96T001082	0	A	@ICP-A01 MO-A-01	SOLID	4.77e+01	4.49e+01	6.050	RPD
15	DUP	S96T001082	0	A	@ICP-A01 NA-A-01	SOLID	1.73e+05	1.68e+05	2.930	RPD
15	DUP	S96T001082	0	A	@ICP-A01 ND-A-01	SOLID	<5.32e1	<5.48e1		RPD
15	DUP	S96T001082	0	A	@ICP-A01 NI-A-01	SOLID	5.82e+01	5.56e+01	4.570	RPD
15	DUP	S96T001082	0	A	@ICP-A01 P-A-01	SOLID	3.65e+03	3.36e+03	8.270	RPD
15	DUP	S96T001082	0	A	@ICP-A01 PB-A-01	SOLID	1.13e+02	1.10e+02	2.690	RPD
15	DUP	S96T001082	0	A	@ICP-A01 S-A-01	SOLID	1.52e+03	1.43e+03	6.100	RPD
15	DUP	S96T001082	0	A	@ICP-A01 SB-A-01	SOLID	<3.19e1	<3.29e1		RPD
15	DUP	S96T001082	0	A	@ICP-A01 SE-A-01	SOLID	<5.32e1	<5.48e1		RPD
15	DUP	S96T001082	0	A	@ICP-A01 SI-A-01	SOLID	1.31e+02	1.54e+02	16.140	RPD
15	DUP	S96T001082	0	A	@ICP-A01 SM-A-01	SOLID	<5.32e1	<5.48e1		RPD
15	DUP	S96T001082	0	A	@ICP-A01 SR-A-01	SOLID	<5.32e0	<5.48e0		RPD
15	DUP	S96T001082	0	A	@ICP-A01 TL-A-01	SOLID	<1.06e2	<1.10e2		RPD
15	DUP	S96T001082	0	A	@ICP-A01 U-A-01	SOLID	<2.66e2	<2.74e2		RPD
15	DUP	S96T001082	0	A	@ICP-A01 V-A-01	SOLID	<2.66e1	<2.74e1		RPD
15	DUP	S96T001082	0	A	@ICP-A01 ZN-A-01	SOLID	4.20e+01	4.16e+01	0.960	RPD
15	DUP	S96T001082	0	A	@ICP-A01 ZR-A-01	SOLID	7.95e+00	7.31e+00	8.390	RPD
15	DUP	S96T001082	0	A	@ICP-A01 TI-A-01	SOLID	5.70e+00	6.01e+00	5.290	RPD
16	SAMPLE	S96T001083	0	A	@ICP-A01 AG-A-01	SOLID	N/A	1.52e+01	5.990	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 AL-A-01	SOLID	N/A	1.04e+04	30.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 AS-A-01	SOLID	N/A <	6.00e+01	60.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 B-A-01	SOLID	N/A	8.40e+01	30.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 BA-A-01	SOLID	N/A <	3.00e+01	30.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 BE-A-01	SOLID	N/A <	3.00e+00	3.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 BI-A-01	SOLID	N/A <	6.00e+01	60.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 CA-A-01	SOLID	N/A	2.49e+02	60.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 CD-A-01	SOLID	N/A	4.13e+00	3.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 CE-A-01	SOLID	N/A <	6.00e+01	60.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 CO-A-01	SOLID	N/A <	1.20e+01	12.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 CR-A-01	SOLID	N/A	2.11e+03	5.990	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 CU-A-01	SOLID	N/A <	6.00e+00	5.990	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 FE-A-01	SOLID	N/A	2.82e+02	30.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 K-A-01	SOLID	N/A	1.20e+03	300.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 LA-A-01	SOLID	N/A <	3.00e+01	30.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 LI-A-01	SOLID	N/A <	6.00e+00	5.990	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 MG-A-01	SOLID	N/A <	6.00e+01	60.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 MN-A-01	SOLID	N/A	9.43e+01	5.990	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 MO-A-01	SOLID	N/A	3.42e+01	30.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 NA-A-01	SOLID	N/A	1.95e+05	60.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 ND-A-01	SOLID	N/A <	6.00e+01	60.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 NI-A-01	SOLID	N/A	2.75e+01	12.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 P-A-01	SOLID	N/A	1.40e+03	120.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01 PB-A-01	SOLID	N/A <	6.00e+01	60.000	ug/g

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

LABCORE Completed Worklist Report for Worklist# 7526

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
16	SAMPLE	S96T001083	0	A	@ICP-A01	S-A-01	SOLID	N/A		1.77e+03	60.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01	SB-A-01	SOLID	N/A	<	3.60e+01	36.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01	SE-A-01	SOLID	N/A	<	6.00e+01	60.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01	SI-A-01	SOLID	N/A		4.84e+01	30.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01	SM-A-01	SOLID	N/A	<	6.00e+01	60.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01	SR-A-01	SOLID	N/A	<	6.00e+00	5.990	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01	TI-A-01	SOLID	N/A	<	6.00e+00	5.990	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01	TL-A-01	SOLID	N/A	<	1.20e+02	120.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01	U-A-01	SOLID	N/A	<	3.00e+02	300.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01	V-A-01	SOLID	N/A	<	3.00e+01	30.000	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01	ZN-A-01	SOLID	N/A		1.77e+01	5.990	ug/g
16	SAMPLE	S96T001083	0	A	@ICP-A01	ZR-A-01	SOLID	N/A	<	6.00e+00	5.990	ug/g
17	DUP	S96T001083	0	A	@ICP-A01	AG-A-01	SOLID	1.52e+01		1.46e+01	4.030	RPD
17	DUP	S96T001083	0	A	@ICP-A01	AL-A-01	SOLID	1.04e+04		1.04e+04	0.000	RPD
17	DUP	S96T001083	0	A	@ICP-A01	AS-A-01	SOLID	<6.00e1		<5.74e1		RPD
17	DUP	S96T001083	0	A	@ICP-A01	B-A-01	SOLID	8.40e+01		7.97e+01	5.250	RPD
17	DUP	S96T001083	0	A	@ICP-A01	BA-A-01	SOLID	<3.00e1		<2.87e1		RPD
17	DUP	S96T001083	0	A	@ICP-A01	BE-A-01	SOLID	<3.00e0		<2.87e0		RPD
17	DUP	S96T001083	0	A	@ICP-A01	BI-A-01	SOLID	<6.00e1		<5.74e1		RPD
17	DUP	S96T001083	0	A	@ICP-A01	CA-A-01	SOLID	2.49e+02		2.50e+02	0.400	RPD
17	DUP	S96T001083	0	A	@ICP-A01	CD-A-01	SOLID	4.13e+00		3.82e+00	7.800	RPD
17	DUP	S96T001083	0	A	@ICP-A01	CE-A-01	SOLID	<6.00e1		<5.74e1		RPD
17	DUP	S96T001083	0	A	@ICP-A01	CO-A-01	SOLID	<1.20e1		<1.15e1		RPD
17	DUP	S96T001083	0	A	@ICP-A01	CR-A-01	SOLID	2.11e+03		2.12e+03	0.470	RPD
17	DUP	S96T001083	0	A	@ICP-A01	CU-A-01	SOLID	<6.00e0		<5.74e0		RPD
17	DUP	S96T001083	0	A	@ICP-A01	FE-A-01	SOLID	2.82e+02		2.74e+02	2.880	RPD
17	DUP	S96T001083	0	A	@ICP-A01	K-A-01	SOLID	1.20e+03		1.19e+03	0.840	RPD
17	DUP	S96T001083	0	A	@ICP-A01	LA-A-01	SOLID	<3.00e1		<2.87e1		RPD
17	DUP	S96T001083	0	A	@ICP-A01	LI-A-01	SOLID	<6.00e0		<5.74e0		RPD
17	DUP	S96T001083	0	A	@ICP-A01	MG-A-01	SOLID	<6.00e1		<5.74e1		RPD
17	DUP	S96T001083	0	A	@ICP-A01	MN-A-01	SOLID	9.43e+01		9.26e+01	1.820	RPD
17	DUP	S96T001083	0	A	@ICP-A01	MO-A-01	SOLID	3.42e+01		3.19e+01	6.960	RPD
17	DUP	S96T001083	0	A	@ICP-A01	NA-A-01	SOLID	1.95e+05		1.91e+05	2.070	RPD
17	DUP	S96T001083	0	A	@ICP-A01	ND-A-01	SOLID	<6.00e1		<5.74e1		RPD
17	DUP	S96T001083	0	A	@ICP-A01	NI-A-01	SOLID	2.75e+01		2.39e+01	14.010	RPD
17	DUP	S96T001083	0	A	@ICP-A01	P-A-01	SOLID	1.40e+03		1.02e+03	31.400	RPD
17	DUP	S96T001083	0	A	@ICP-A01	PB-A-01	SOLID	<6.00e1		<5.74e1		RPD
17	DUP	S96T001083	0	A	@ICP-A01	S-A-01	SOLID	1.77e+03		1.83e+03	3.330	RPD
17	DUP	S96T001083	0	A	@ICP-A01	SB-A-01	SOLID	<3.60e1		<3.45e1		RPD
17	DUP	S96T001083	0	A	@ICP-A01	SE-A-01	SOLID	<6.00e1		<5.74e1		RPD
17	DUP	S96T001083	0	A	@ICP-A01	SI-A-01	SOLID	4.84e+01		7.43e+01	42.220	RPD
17	DUP	S96T001083	0	A	@ICP-A01	SM-A-01	SOLID	<6.00e1		<5.74e1		RPD
17	DUP	S96T001083	0	A	@ICP-A01	SR-A-01	SOLID	<6.00e0		<5.74e0		RPD
17	DUP	S96T001083	0	A	@ICP-A01	TL-A-01	SOLID	<1.20e2		<1.15e2		RPD
17	DUP	S96T001083	0	A	@ICP-A01	U-A-01	SOLID	<3.00e2		<2.87e2		RPD
17	DUP	S96T001083	0	A	@ICP-A01	V-A-01	SOLID	<3.00e1		<2.87e1		RPD
17	DUP	S96T001083	0	A	@ICP-A01	ZN-A-01	SOLID	1.77e+01		1.62e+01	8.850	RPD
17	DUP	S96T001083	0	A	@ICP-A01	ZR-A-01	SOLID	<6.00e0		<5.74e0		RPD
17	DUP	S96T001083	0	A	@ICP-A01	TI-A-01	SOLID	<6.00e0		<5.74e0		RPD

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

WHC-SD-WM-DP-184, REV. 1

LABCORE Completed Worklist Report for Worklist# 7526

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
18	CCV	0		●ICP-QC	AG	QC	5.0	4.85e+00	97.000	% Recovery
18	CCV	0		●ICP-QC	AL	QC	5.0	4.99e+00	99.800	% Recovery
18	CCV	0		●ICP-QC	AS	QC	5.0	5.12e+00	102.400	% Recovery
18	CCV	0		●ICP-QC	B	QC	5.0	5.00e+00	100.000	% Recovery
18	CCV	0		●ICP-QC	BA	QC	5.0	4.96e+00	99.200	% Recovery
18	CCV	0		●ICP-QC	BE	QC	5.0	5.21e+00	104.200	% Recovery
18	CCV	0		●ICP-QC	BI	QC	5.0	4.97e+00	99.400	% Recovery
18	CCV	0		●ICP-QC	CA	QC	5.0	4.92e+00	98.400	% Recovery
18	CCV	0		●ICP-QC	CD	QC	5.0	4.88e+00	97.600	% Recovery
18	CCV	0		●ICP-QC	CE	QC	5.0	5.05e+00	101.000	% Recovery
18	CCV	0		●ICP-QC	CO	QC	5.0	4.92e+00	98.400	% Recovery
18	CCV	0		●ICP-QC	CR	QC	5.0	4.95e+00	99.000	% Recovery
18	CCV	0		●ICP-QC	CU	QC	5.0	5.21e+00	104.200	% Recovery
18	CCV	0		●ICP-QC	FE	QC	5.0	4.99e+00	99.800	% Recovery
18	CCV	0		●ICP-QC	K	QC	5.0	4.87e+00	97.400	% Recovery
18	CCV	0		●ICP-QC	LA	QC	5.0	4.98e+00	99.600	% Recovery
18	CCV	0		●ICP-QC	LI	QC	5.0	5.14e+00	102.800	% Recovery
18	CCV	0		●ICP-QC	MG	QC	5.0	4.98e+00	99.600	% Recovery
18	CCV	0		●ICP-QC	MN	QC	5.0	4.82e+00	96.400	% Recovery
18	CCV	0		●ICP-QC	MO	QC	5.0	4.92e+00	98.400	% Recovery
18	CCV	0		●ICP-QC	NA	QC	5.0	4.97e+00	99.400	% Recovery
18	CCV	0		●ICP-QC	ND	QC	5.0	5.16e+00	103.200	% Recovery
18	CCV	0		●ICP-QC	NI	QC	5.0	4.90e+00	98.000	% Recovery
18	CCV	0		●ICP-QC	P	QC	5.0	4.95e+00	99.000	% Recovery
18	CCV	0		●ICP-QC	PB	QC	5.0	4.75e+00	95.000	% Recovery
18	CCV	0		●ICP-QC	S	QC	5.0	4.94e+00	98.800	% Recovery
18	CCV	0		●ICP-QC	SB	QC	5.0	4.69e+00	93.800	% Recovery
18	CCV	0		●ICP-QC	SE	QC	5.0	5.04e+00	100.800	% Recovery
18	CCV	0		●ICP-QC	SI	QC	5.0	4.64e+00	92.800	% Recovery
18	CCV	0		●ICP-QC	SM	QC	5.0	5.02e+00	100.400	% Recovery
18	CCV	0		●ICP-QC	SR	QC	5.0	4.96e+00	99.200	% Recovery
18	CCV	0		●ICP-QC	TI	QC	5.0	4.85e+00	97.000	% Recovery
18	CCV	0		●ICP-QC	TL	QC	5.0	4.84e+00	96.800	% Recovery
18	CCV	0		●ICP-QC	U	QC	10.	1.02e+01	102.000	% Recovery
18	CCV	0		●ICP-QC	V	QC	5.0	5.00e+00	100.000	% Recovery
18	CCV	0		●ICP-QC	ZN	QC	5.0	4.93e+00	98.600	% Recovery
18	CCV	0		●ICP-QC	ZR	QC	5.0	4.88e+00	97.600	% Recovery
19	CCB	0		●ICP-QC	AG	QC	1	<1.00e-2		ug/g
19	CCB	0		●ICP-QC	AL	QC	1	<5.00e-2		ug/g
19	CCB	0		●ICP-QC	AS	QC	1	<1.00e-1		ug/g
19	CCB	0		●ICP-QC	B	QC	1	<5.00e-2		ug/g
19	CCB	0		●ICP-QC	BA	QC	1	<5.00e-2		ug/g
19	CCB	0		●ICP-QC	BE	QC	1	<5.00e-3		ug/g
19	CCB	0		●ICP-QC	BI	QC	1	<1.00e-1		ug/g
19	CCB	0		●ICP-QC	CA	QC	1	<1.00e-1		ug/g
19	CCB	0		●ICP-QC	CD	QC	1	<5.00e-3		ug/g
19	CCB	0		●ICP-QC	CE	QC	1	<1.00e-1		ug/g
19	CCB	0		●ICP-QC	CO	QC	1	<2.00e-2		ug/g
19	CCB	0		●ICP-QC	CR	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# 7526

Seq	Type	Sample#	R	A		Test	Matrix	Actual		Found	DL or Yield	Unit
19	CCB		0		●ICP-QC	CU	QC	1		<1.00e-2		ug/g
19	CCB		0		●ICP-QC	FE	QC	1		<5.00e-2		ug/g
19	CCB		0		●ICP-QC	K	QC	1		<5.00e-1		ug/g
19	CCB		0		●ICP-QC	LA	QC	1		<5.00e-2		ug/g
19	CCB		0		●ICP-QC	LI	QC	1		<1.00e-2		ug/g
19	CCB		0		●ICP-QC	MG	QC	1		<1.00e-1		ug/g
19	CCB		0		●ICP-QC	MN	QC	1		<1.00e-2		ug/g
19	CCB		0		●ICP-QC	MO	QC	1		<5.00e-2		ug/g
19	CCB		0		●ICP-QC	NA	QC	1		<1.00e-1		ug/g
19	CCB		0		●ICP-QC	ND	QC	1		<1.00e-1		ug/g
19	CCB		0		●ICP-QC	NI	QC	1		<2.00e-2		ug/g
19	CCB		0		●ICP-QC	P	QC	1		<2.00e-1		ug/g
19	CCB		0		●ICP-QC	PB	QC	1		<1.00e-1		ug/g
19	CCB		0		●ICP-QC	S	QC	1		<1.00e-1		ug/g
19	CCB		0		●ICP-QC	SB	QC	1		<6.00e-2		ug/g
19	CCB		0		●ICP-QC	SE	QC	1		<1.00e-1		ug/g
19	CCB		0		●ICP-QC	SI	QC	1		<5.00e-2		ug/g
19	CCB		0		●ICP-QC	SM	QC	1		<1.00e-1		ug/g
19	CCB		0		●ICP-QC	SR	QC	1		<1.00e-2		ug/g
19	CCB		0		●ICP-QC	TI	QC	1		<1.00e-2		ug/g
19	CCB		0		●ICP-QC	TL	QC	1		<2.00e-1		ug/g
19	CCB		0		●ICP-QC	U	QC	1		<5.00e-1		ug/g
19	CCB		0		●ICP-QC	V	QC	1		<5.00e-2		ug/g
19	CCB		0		●ICP-QC	ZN	QC	1		<1.00e-2		ug/g
19	CCB		0		●ICP-QC	ZR	QC	1		<1.00e-2		ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	AG-A-01	SOLID	N/A		1.41e+01	5.300	ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	AL-A-01	SOLID	N/A		1.38e+04	26.500	ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	AS-A-01	SOLID	N/A	<	5.30e+01	53.000	ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	B-A-01	SOLID	N/A		8.64e+01	26.500	ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	BA-A-01	SOLID	N/A	<	2.65e+01	26.500	ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	BE-A-01	SOLID	N/A	<	2.65e+00	2.650	ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	BI-A-01	SOLID	N/A	<	5.30e+01	53.000	ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	CA-A-01	SOLID	N/A		1.95e+02	53.000	ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	CD-A-01	SOLID	N/A		3.48e+00	2.650	ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	CE-A-01	SOLID	N/A	<	5.30e+01	53.000	ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	CO-A-01	SOLID	N/A	<	1.06e+01	10.600	ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	CR-A-01	SOLID	N/A		2.81e+03	5.300	ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	CU-A-01	SOLID	N/A		5.53e+00	5.300	ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	FE-A-01	SOLID	N/A		2.10e+02	26.500	ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	K-A-01	SOLID	N/A		1.48e+03	265.000	ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	LA-A-01	SOLID	N/A	<	2.65e+01	26.500	ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	LI-A-01	SOLID	N/A	<	5.30e+00	5.300	ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	MG-A-01	SOLID	N/A	<	5.30e+01	53.000	ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	MN-A-01	SOLID	N/A		8.91e+01	5.300	ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	MO-A-01	SOLID	N/A		4.09e+01	26.500	ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	NA-A-01	SOLID	N/A		1.78e+05	53.000	ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	ND-A-01	SOLID	N/A	<	5.30e+01	53.000	ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	NI-A-01	SOLID	N/A		2.73e+01	10.600	ug/g
20	SAMPLE	S96T001084	0	A	●ICP-A01	P-A-01	SOLID	N/A		1.51e+03	106.000	ug/g

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

LABCORE Completed Worklist Report for Worklist# 7526

Seq	Type	Sample#	R	A	Test	Matrix	Actual		Found	DL or Yield	Unit
20	SAMPLE	S96T001084	0	A	@ICP-A01 PB-A-01	SOLID	N/A	<	5.30e+01	53.000	ug/g
20	SAMPLE	S96T001084	0	A	@ICP-A01 S-A-01	SOLID	N/A		1.72e+03	53.000	ug/g
20	SAMPLE	S96T001084	0	A	@ICP-A01 SB-A-01	SOLID	N/A	<	3.18e+01	31.800	ug/g
20	SAMPLE	S96T001084	0	A	@ICP-A01 SE-A-01	SOLID	N/A	<	5.30e+01	53.000	ug/g
20	SAMPLE	S96T001084	0	A	@ICP-A01 SI-A-01	SOLID	N/A		9.30e+01	26.500	ug/g
20	SAMPLE	S96T001084	0	A	@ICP-A01 SM-A-01	SOLID	N/A	<	5.30e+01	53.000	ug/g
20	SAMPLE	S96T001084	0	A	@ICP-A01 SR-A-01	SOLID	N/A	<	5.30e+00	5.300	ug/g
20	SAMPLE	S96T001084	0	A	@ICP-A01 TI-A-01	SOLID	N/A	<	5.30e+00	5.300	ug/g
20	SAMPLE	S96T001084	0	A	@ICP-A01 TL-A-01	SOLID	N/A	<	1.06e+02	106.000	ug/g
20	SAMPLE	S96T001084	0	A	@ICP-A01 U-A-01	SOLID	N/A	<	2.65e+02	265.000	ug/g
20	SAMPLE	S96T001084	0	A	@ICP-A01 V-A-01	SOLID	N/A	<	2.65e+01	26.500	ug/g
20	SAMPLE	S96T001084	0	A	@ICP-A01 ZN-A-01	SOLID	N/A		1.58e+01	5.300	ug/g
20	SAMPLE	S96T001084	0	A	@ICP-A01 ZR-A-01	SOLID	N/A	<	5.30e+00	5.300	ug/g
21	DUP	S96T001084	0	A	@ICP-A01 AG-A-01	SOLID	1.41e+01		1.50e+01	6.190	RPD
21	DUP	S96T001084	0	A	@ICP-A01 AL-A-01	SOLID	1.38e+04		1.45e+04	4.950	RPD
21	DUP	S96T001084	0	A	@ICP-A01 AS-A-01	SOLID	<5.30e1		<5.34e1		RPD
21	DUP	S96T001084	0	A	@ICP-A01 B-A-01	SOLID	8.64e+01		1.43e+02	49.350	RPD
21	DUP	S96T001084	0	A	@ICP-A01 BA-A-01	SOLID	<2.65e1		<2.67e1		RPD
21	DUP	S96T001084	0	A	@ICP-A01 BE-A-01	SOLID	<2.65e0		<2.67e0		RPD
21	DUP	S96T001084	0	A	@ICP-A01 BI-A-01	SOLID	<5.30e1		<5.34e1		RPD
21	DUP	S96T001084	0	A	@ICP-A01 CA-A-01	SOLID	1.95e+02		2.52e+02	25.500	RPD
21	DUP	S96T001084	0	A	@ICP-A01 CD-A-01	SOLID	3.48e+00		3.64e+00	4.490	RPD
21	DUP	S96T001084	0	A	@ICP-A01 CE-A-01	SOLID	<5.30e1		<5.34e1		RPD
21	DUP	S96T001084	0	A	@ICP-A01 CO-A-01	SOLID	<1.06e1		<1.07e1		RPD
21	DUP	S96T001084	0	A	@ICP-A01 CR-A-01	SOLID	2.81e+03		3.04e+03	7.860	RPD
21	DUP	S96T001084	0	A	@ICP-A01 CU-A-01	SOLID	5.53e+00		<5.34e0		RPD
21	DUP	S96T001084	0	A	@ICP-A01 FE-A-01	SOLID	2.10e+02		2.27e+02	7.780	RPD
21	DUP	S96T001084	0	A	@ICP-A01 K-A-01	SOLID	1.48e+03		1.43e+03	3.440	RPD
21	DUP	S96T001084	0	A	@ICP-A01 LA-A-01	SOLID	<2.65e1		<2.67e1		RPD
21	DUP	S96T001084	0	A	@ICP-A01 LI-A-01	SOLID	<5.30e0		<5.34e0		RPD
21	DUP	S96T001084	0	A	@ICP-A01 MG-A-01	SOLID	<5.30e1		<5.34e1		RPD
21	DUP	S96T001084	0	A	@ICP-A01 MN-A-01	SOLID	8.91e+01		9.56e+01	7.040	RPD
21	DUP	S96T001084	0	A	@ICP-A01 MO-A-01	SOLID	4.09e+01		4.18e+01	2.180	RPD
21	DUP	S96T001084	0	A	@ICP-A01 NA-A-01	SOLID	1.78e+05		1.92e+05	7.570	RPD
21	DUP	S96T001084	0	A	@ICP-A01 ND-A-01	SOLID	<5.30e1		<5.34e1		RPD
21	DUP	S96T001084	0	A	@ICP-A01 NI-A-01	SOLID	2.73e+01		3.13e+01	13.650	RPD
21	DUP	S96T001084	0	A	@ICP-A01 P-A-01	SOLID	1.51e+03		1.73e+03	13.580	RPD
21	DUP	S96T001084	0	A	@ICP-A01 PB-A-01	SOLID	<5.30e1		<5.34e1		RPD
21	DUP	S96T001084	0	A	@ICP-A01 S-A-01	SOLID	1.72e+03		1.84e+03	6.740	RPD
21	DUP	S96T001084	0	A	@ICP-A01 SB-A-01	SOLID	<3.18e1		<3.20e1		RPD
21	DUP	S96T001084	0	A	@ICP-A01 SE-A-01	SOLID	<5.30e1		<5.34e1		RPD
21	DUP	S96T001084	0	A	@ICP-A01 SI-A-01	SOLID	9.30e+01		1.03e+02	10.200	RPD
21	DUP	S96T001084	0	A	@ICP-A01 SM-A-01	SOLID	<5.30e1		<5.34e1		RPD
21	DUP	S96T001084	0	A	@ICP-A01 SR-A-01	SOLID	<5.30e0		<5.34e0		RPD
21	DUP	S96T001084	0	A	@ICP-A01 TL-A-01	SOLID	<1.06e2		<1.07e2		RPD
21	DUP	S96T001084	0	A	@ICP-A01 U-A-01	SOLID	<2.65e2		<2.67e2		RPD
21	DUP	S96T001084	0	A	@ICP-A01 V-A-01	SOLID	<2.65e1		<2.67e1		RPD
21	DUP	S96T001084	0	A	@ICP-A01 ZN-A-01	SOLID	1.58e+01		1.98e+01	22.470	RPD
21	DUP	S96T001084	0	A	@ICP-A01 ZR-A-01	SOLID	<5.30e0		<5.34e0		RPD

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

LABCORE Completed Worklist Report for Worklist# 7526

Seq	Type	Sample#	R	A		Test	Matrix	Actual	Found	DL or Yield	Unit
21	DUP	S96T001084	0	A	@ICP-A01	TI-A-01	SOLID	<5.30e0	<5.34e0		RPD
22	ICSA		0		@ICP-QC	AG	QC	1	<1.00e-2		ug/g
22	ICSA		0		@ICP-QC	AL	QC	250	2.41e+02	96.400	% 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	2.41e+02	96.400	% 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	<1.00e-2		ug/g
22	ICSA		0		@ICP-QC	CU	QC	1	<1.00e-2		ug/g
22	ICSA		0		@ICP-QC	FE	QC	100	9.16e+01	91.600	% 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	2.46e+02	98.400	% 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	1.98e+02	99.000	% 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	9.53e-01	95.300	% 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	4.82e-01	96.400	% Recovery
23	ICSAB		0		@ICP-QC	BE	QC	0.5	4.88e-01	97.600	% Recovery
23	ICSAB		0		@ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
23	ICSAB		0		@ICP-QC	CA	QC	250	2.40e+02	96.000	% Recovery
23	ICSAB		0		@ICP-QC	CD	QC	1.0	9.23e-01	92.300	% Recovery
23	ICSAB		0		@ICP-QC	CE	QC	1.0	<1.00e-1		ug/g
23	ICSAB		0		@ICP-QC	CO	QC	0.5	4.55e-01	91.000	% Recovery

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

LABCORE Completed Worklist Report for Worklist# 7526

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
23	ICSAB	0		@ICP-QC	CR	QC	0.5	4.66e-01	93.200	% Recovery
23	ICSAB	0		@ICP-QC	CU	QC	0.5	4.95e-01	99.000	% Recovery
23	ICSAB	0		@ICP-QC	FE	QC	100	9.10e+01	91.000	% 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	1.01e+00	101.000	% Recovery
23	ICSAB	0		@ICP-QC	MG	QC	250	2.46e+02	98.400	% Recovery
23	ICSAB	0		@ICP-QC	MN	QC	0.5	4.38e-01	87.600	% Recovery
23	ICSAB	0		@ICP-QC	MO	QC	1.0	<5.00e-2		ug/g
23	ICSAB	0		@ICP-QC	NA	QC	200	1.99e+02	99.500	% Recovery
23	ICSAB	0		@ICP-QC	ND	QC	1.0	<1.00e-1		ug/g
23	ICSAB	0		@ICP-QC	NI	QC	1.0	8.99e-01	89.900	% Recovery
23	ICSAB	0		@ICP-QC	P	QC	1.0	<2.00e-1		ug/g
23	ICSAB	0		@ICP-QC	PB	QC	1.0	9.50e-01	95.000	% 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	4.61e-01	92.200	% Recovery
23	ICSAB	0		@ICP-QC	ZN	QC	1.0	9.46e-01	94.600	% Recovery
23	ICSAB	0		@ICP-QC	ZR	QC	1.0	<1.00e-2		ug/g
24	CCV	0		@ICP-QC	AG	QC	5.0	4.85e+00	97.000	% Recovery
24	CCV	0		@ICP-QC	AL	QC	5.0	4.99e+00	99.800	% Recovery
24	CCV	0		@ICP-QC	AS	QC	5.0	5.12e+00	102.400	% Recovery
24	CCV	0		@ICP-QC	B	QC	5.0	5.00e+00	100.000	% Recovery
24	CCV	0		@ICP-QC	BA	QC	5.0	4.95e+00	99.000	% Recovery
24	CCV	0		@ICP-QC	BE	QC	5.0	5.20e+00	104.000	% Recovery
24	CCV	0		@ICP-QC	BI	QC	5.0	4.96e+00	99.200	% Recovery
24	CCV	0		@ICP-QC	CA	QC	5.0	4.94e+00	98.800	% Recovery
24	CCV	0		@ICP-QC	CD	QC	5.0	4.86e+00	97.200	% Recovery
24	CCV	0		@ICP-QC	CE	QC	5.0	5.02e+00	100.400	% Recovery
24	CCV	0		@ICP-QC	CO	QC	5.0	4.91e+00	98.200	% Recovery
24	CCV	0		@ICP-QC	CR	QC	5.0	4.95e+00	99.000	% Recovery
24	CCV	0		@ICP-QC	CU	QC	5.0	5.20e+00	104.000	% Recovery
24	CCV	0		@ICP-QC	FE	QC	5.0	4.97e+00	99.400	% Recovery
24	CCV	0		@ICP-QC	K	QC	5.0	4.89e+00	97.800	% Recovery
24	CCV	0		@ICP-QC	LA	QC	5.0	4.96e+00	99.200	% Recovery
24	CCV	0		@ICP-QC	LI	QC	5.0	5.15e+00	103.000	% Recovery
24	CCV	0		@ICP-QC	MG	QC	5.0	4.95e+00	99.000	% Recovery
24	CCV	0		@ICP-QC	MN	QC	5.0	4.81e+00	96.200	% Recovery
24	CCV	0		@ICP-QC	MO	QC	5.0	4.92e+00	98.400	% Recovery
24	CCV	0		@ICP-QC	NA	QC	5.0	4.97e+00	99.400	% Recovery
24	CCV	0		@ICP-QC	ND	QC	5.0	5.15e+00	103.000	% Recovery
24	CCV	0		@ICP-QC	NI	QC	5.0	4.87e+00	97.400	% Recovery

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

LABCORE Completed Worklist Report for Worklist# 7526

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
24	CCV		0	●ICP-QC	P	QC	5.0	4.85e+00	97.000	% Recovery
24	CCV		0	●ICP-QC	PB	QC	5.0	4.76e+00	95.200	% Recovery
24	CCV		0	●ICP-QC	S	QC	5.0	4.94e+00	98.800	% Recovery
24	CCV		0	●ICP-QC	SB	QC	5.0	4.70e+00	94.000	% Recovery
24	CCV		0	●ICP-QC	SE	QC	5.0	5.01e+00	100.200	% Recovery
24	CCV		0	●ICP-QC	SI	QC	5.0	4.64e+00	92.800	% Recovery
24	CCV		0	●ICP-QC	SM	QC	5.0	5.01e+00	100.200	% Recovery
24	CCV		0	●ICP-QC	SR	QC	5.0	4.95e+00	99.000	% 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	4.86e+00	97.200	% Recovery
24	CCV		0	●ICP-QC	U	QC	10.	1.01e+01	101.000	% Recovery
24	CCV		0	●ICP-QC	V	QC	5.0	4.99e+00	99.800	% Recovery
24	CCV		0	●ICP-QC	ZN	QC	5.0	4.93e+00	98.600	% Recovery
24	CCV		0	●ICP-QC	ZR	QC	5.0	4.87e+00	97.400	% 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# 7526

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# 7526

Analyst Signature Date

Analyst Signature Date

Reviewer Signature Date 4/16/96

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

Analysis Report Summary Thu 04-11-96 02:56:50 PM page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	ICV	960411B	ICP2	04/11/96	13:06	DKS	Q	CONC
2	ICB	960411B	ICP2	04/11/96	13:10	DKS	Q	CONC
3	ICSA	960411B	ICP2	04/11/96	13:12	DKS	Q	CONC
4	ICSAB	960411B	ICP2	04/11/96	13:16	DKS	Q	CONC
5	PREPSTDTJA	960411B	ICP2	04/11/96	13:21	DKS	S	CONC
6	PREPBLKTJA	960411B	ICP2	04/11/96	13:25	DKS	S	CONC
7	S96T001080_L	960411B	ICP2	04/11/96	13:28	DKS	S	CONC
8	S96T001080	960411B	ICP2	04/11/96	13:31	DKS	S	CONC
9	S96T001080_D	960411B	ICP2	04/11/96	13:34	DKS	S	CONC
10	S96T001080_S	960411B	ICP2	04/11/96	13:39	DKS	S	CONC
11	CCV	960411B	ICP2	04/11/96	13:43	DKS	Q	CONC
12	CCB	960411B	ICP2	04/11/96	13:46	DKS	Q	CONC
13	S96T001081_L	960411B	ICP2	04/11/96	13:50	DKS	S	CONC
14	S96T001081	960411B	ICP2	04/11/96	13:56	DKS	S	CONC
15	S96T001081_D	960411B	ICP2	04/11/96	13:59	DKS	S	CONC
16	S96T001082_L	960411B	ICP2	04/11/96	14:02	DKS	S	CONC
17	S96T001082	960411B	ICP2	04/11/96	14:05	DKS	S	CONC
18	S96T001082_D	960411B	ICP2	04/11/96	14:09	DKS	S	CONC
19	S96T001083_L	960411B	ICP2	04/11/96	14:12	DKS	S	CONC
20	S96T001083	960411B	ICP2	04/11/96	14:15	DKS	S	CONC
21	S96T001083_D	960411B	ICP2	04/11/96	14:19	DKS	S	CONC
22	CCV_1	960411B	ICP2	04/11/96	14:23	DKS	Q	CONC
23	CCB_1	960411B	ICP2	04/11/96	14:27	DKS	Q	CONC
24	S96T001084_L	960411B	ICP2	04/11/96	14:30	DKS	S	CONC
25	S96T001084	960411B	ICP2	04/11/96	14:33	DKS	S	CONC
26	S96T001084_D	960411B	ICP2	04/11/96	14:36	DKS	S	CONC
27	ICSA	960411B	ICP2	04/11/96	14:41	DKS	Q	CONC
28	ICSAB	960411B	ICP2	04/11/96	14:45	DKS	Q	CONC
29	CCV_2	960411B	ICP2	04/11/96	14:49	DKS	Q	CONC
30	CCB_2	960411B	ICP2	04/11/96	14:53	DKS	Q	CONC

JK [signature]
04-11-96
4-107

Worklist # 7526

S96T001080
S96T001081
S96T001082
S96T001083
S96T001084

SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 559 TO 564

Analysis Report Averages Thu 04-11-96 02:56:50 PM page 2

#	Sample Name	Ag	Al	As	B	Ba	Be
1	ICV	4.932	4.918	5.144	4.996	5.009	5.219
2	ICB	.0012	.0209	.0032	.0047	.0002	.0004
3	ICSA	.0038	239.4	-.0822	.0047	.0031	.0007
4	ICSAB	.9634	243.7	-.1028	.0057	.4912	.4892
5	PREPSTDTJA	.9476	4.961	4.916	5.529	4.880	5.440
6	PREPBLKTJA	.0024	.0921	-.0008	.3173	.0008	.0005
7	S96T001080_L	.0954	16.12	-.1108	.4622	.0049	.0050
8	S96T001080	.0844	15.60	-.0670	.4416	.0045	.0008
9	S96T001080_D	.0877	15.71	-.0560	.4273	.0050	.0013
10	S96T001080_S	.8329	17.95	3.916	4.173	3.770	3.899
11	CCV	4.849	4.965	5.070	5.019	4.947	5.188
12	CCB	.0026	.0228	-.0032	.0021	.0003	.0006
13	S96T001081_L	.1123	24.65	.0038	.2593	.0098	.0056
14	S96T001081	.0812	23.92	-.0864	.2710	.0063	.0017
15	S96T001081_D	.0845	24.02	-.0319	.2788	.0061	.0016
16	S96T001082_L	.1046	111.2	-.0113	.2822	.0356	.0066
17	S96T001082	.0837	109.9	-.1546	.2681	.0329	.0022
18	S96T001082_D	.0804	100.5	-.1648	.2769	.0314	.0022
19	S96T001083_L	.1101	53.76	-.2246	.4733	.0102	.0084
20	S96T001083	.0762	52.14	-.1179	.4202	.0085	.0018
21	S96T001083_D	.0762	54.52	-.0991	.4163	.0084	.0017
22	CCV_1	4.847	4.993	5.120	5.001	4.960	5.213
23	CCB_1	.0021	.0262	.0033	.0065	.0001	.0005
24	S96T001084_L	.0939	79.18	-.3081	.5637	.0096	.0062
25	S96T001084	.0795	77.82	-.1728	.4887	.0091	.0019
26	S96T001084_D	.0842	81.42	-.1605	.8061	.0099	.0022
27	ICSA	.0045	241.3	-.0854	.0033	.0031	.0006
28	ICSAB	.9530	242.1	-.1038	-.0009	.4822	.4884
29	CCV_2	4.848	4.987	5.121	4.998	4.952	5.202
30	CCB_2	.0018	.0271	.0062	.0039	.0000	.0004

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
1	ICV	5.105	5.037	4.961	5.169	4.997	5.047
2	ICB	-.0402	.0055	.0015	.0105	-.0035	.0004
3	ICSA	-.0031	246.4	.0001	.0240	-.0009	.0012
4	ICSAB	-.0410	248.0	.9445	.0237	.4649	.4797
5	PREPSTDTJA	4.761	4.786	4.680	5.020	4.798	4.718
6	PREPBLKTJA	-.0176	.1124	.0012	.0103	-.0005	.0039
7	S96T001080_L	-.4489	1.012	.0240	.1053	-.0240	3.163
8	S96T001080	-.0978	.9814	.0058	.0324	-.0048	3.111
9	S96T001080_D	-.0448	.9655	.0076	.0402	-.0049	3.126
10	S96T001080_S	3.716	4.302	3.738	3.979	3.800	6.530
11	CCV	4.916	4.958	4.874	5.021	4.925	4.965
12	CCB	-.0327	.0033	.0007	.0097	-.0015	.0013
13	S96T001081_L	-.1812	1.177	.0261	.2868	-.0373	6.647
14	S96T001081	-.0409	1.100	.0122	.0495	-.0065	6.425
15	S96T001081_D	-.0257	1.119	.0123	.0460	-.0045	6.465
16	S96T001082_L	.3046	1.881	.0726	.2936	.0096	34.45
17	S96T001082	.3579	1.838	.0423	.0928	.0074	33.97
18	S96T001082_D	.3105	1.728	.0427	.0802	.0110	32.26
19	S96T001083_L	-.0494	1.319	.0471	.3254	-.0124	10.86

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
20	S96T001083	.0097	1.248	.0207	.0553	-.0012	10.55
21	S96T001083_D	.0245	1.304	.0200	.0360	.0005	11.08
22	CCV_1	4.972	4.923	4.877	5.050	4.921	4.952
23	CCB_1	-.0283	.0037	.0013	.0138	-.0016	.0000
24	S96T001084_L	-.1912	1.106	.0356	.1898	-.0308	16.09
25	S96T001084_	.1179	1.104	.0197	.0440	.0029	15.87
26	S96T001084_D	.0178	1.418	.0205	.0248	.0045	17.10
27	ICSA	-.0323	241.1	.0015	.0312	-.0009	.0013
28	ICSAB	-.0307	239.9	.9234	.0280	.4550	.4662
29	CCV_2	4.957	4.944	4.865	5.025	4.910	4.950
30	CCB_2	-.0163	.0016	.0013	.0062	-.0013	.0006

#	Sample Name	Cu	Eu	Fe	K	La	Li
1	ICV	5.189	-.0033	5.048	5.093	5.082	5.057
2	ICB	.0000	-.0020	.0016	.0487	.0011	-.0014
3	ICSA	-.0105	-.0274	93.04	.2442	-.0032	.0022
4	ICSAB	.4924	-.0273	92.47	.1733	-.0031	.9963
5	PREPSTDTJA	4.899	-.0057	4.757	4.821	4.928	5.005
6	PREPBLKTJA	.0160	-.0029	.0471	.1830	.0028	-.0026
7	S96T001080_L	.0336	-.0348	6.937	6.336	.0125	-.0210
8	S96T001080_	.0279	-.0073	6.782	2.982	.0055	-.0038
9	S96T001080_D	.0272	-.0085	6.738	2.757	.0089	-.0073
10	S96T001080_S	3.786	-.0088	4.184	6.068	3.861	3.846
11	CCV	5.174	-.0046	4.982	4.967	4.958	5.099
12	CCB	.0016	-.0022	.0016	.3050	.0022	-.0013
13	S96T001081_L	.0288	-.0265	.9662	7.330	.0405	-.0122
14	S96T001081_	.0254	-.0067	.9345	3.628	.0119	-.0049
15	S96T001081_D	.0247	-.0069	.9358	4.170	.0096	-.0056
16	S96T001082_L	.0880	-.0294	9.872	12.66	.0870	-.0176
17	S96T001082_	.0640	-.0045	9.701	9.524	.0536	.0010
18	S96T001082_D	.0605	-.0057	9.261	8.662	.0515	-.0022
19	S96T001083_L	.0446	-.0371	2.163	9.180	.0500	-.0210
20	S96T001083_	.0295	-.0074	1.412	6.001	.0168	-.0039
21	S96T001083_D	.0232	-.0090	1.429	6.196	.0145	-.0053
22	CCV_1	5.206	-.0051	4.986	4.875	4.980	5.140
23	CCB_1	.0005	-.0019	.0011	.0665	.0018	-.0007
24	S96T001084_L	.0500	-.0369	1.207	9.208	.0304	-.0297
25	S96T001084_	.0313	-.0077	1.187	8.356	.0149	-.0042
26	S96T001084_D	.0268	-.0081	1.276	8.032	.0155	-.0056
27	ICSA	-.0106	-.0233	91.64	.1121	-.0024	.0024
28	ICSAB	.4954	-.0204	90.96	.2620	-.0022	1.012
29	CCV_2	5.203	-.0051	4.965	4.888	4.963	5.149
30	CCB_2	.0007	-.0029	.0010	.2299	.0024	-.0023

#	Sample Name	Mg	Mn	Mo	Na	Nd	Ni
1	ICV	4.897	4.885	4.985	4.977	5.125	4.959
2	ICB	-.0033	-.0003	.0023	-.0134	.0003	.0014
3	ICSA	242.3	-.0074	-.0148	199.1	.0066	-.0061
4	ICSAB	246.5	.4482	-.0137	198.3	.0076	.9089
5	PREPSTDTJA	4.704	4.627	4.704	6.001	5.010	4.806

Analysis Report Averages Thu 04-11-96 02:56:50 PM page 4

#	Sample Name	Mg	Mn	Mo	Na	Nd	Ni
6	PREPBLKTJA	.0447	.0001	-.0003	.5672	.0043	-.0014
7	S96T001080_L	.2659	.1582	.0132	1156.	.0311	.0469
8	S96T001080_	.1170	.1599	.0363	1130.	.0133	.0348
9	S96T001080_D	.1194	.1599	.0367	1137.	.0076	.0448
10	S96T001080_S	3.761	3.702	3.740	948.1	3.897	3.861
11	CCV	4.962	4.823	4.923	4.944	5.137	4.915
12	CCB	.0089	-.0004	.0012	-.0143	.0035	-.0037
13	S96T001081_L	.3058	.2576	.0834	1086.	.0621	.0548
14	S96T001081_	.1748	.2510	.0727	1068.	.0177	.0547
15	S96T001081_D	.1565	.2529	.0750	1069.	.0138	.0397
16	S96T001082_L	.7906	3.687	.2660	992.2	.1475	.3042
17	S96T001082_	.6141	3.674	.2691	977.5	.0857	.3286
18	S96T001082_D	.5938	3.453	.2461	919.8	.0870	.3046
19	S96T001083_L	.3631	.4793	.1883	1003.	.0504	.0632
20	S96T001083_	.1789	.4719	.1713	977.1	.0238	.1378
21	S96T001083_D	.1503	.4837	.1666	998.8	.0243	.1249
22	CCV_1	4.980	4.816	4.921	4.970	5.157	4.898
23	CCB_1	.0123	-.0003	-.0019	-.0113	.0007	-.0005
24	S96T001084_L	.1921	.5024	.2118	1026.	.0122	.1707
25	S96T001084_	.1626	.5042	.2311	1007.	.0257	.1542
26	S96T001084_D	.2033	.5370	.2348	1080.	.0330	.1758
27	ICSA	246.1	-.0080	-.0125	198.2	.0083	-.0108
28	ICSAB	246.1	.4376	-.0137	198.9	.0053	.8988
29	CCV_2	4.954	4.808	4.915	4.974	5.152	4.869
30	CCB_2	.0108	-.0006	.0012	-.0195	.0014	-.0056

#	Sample Name	P	Pb	S	Sb	Se	Si
1	ICV	4.952	4.893	4.821	4.774	4.930	4.678
2	ICB	.0167	-.0053	-.0023	.0023	.0390	-.0072
3	ICSA	.0287	.0201	.0129	.0002	-.0274	.0039
4	ICSAB	.0376	.9772	.0099	.0020	-.0023	-.0027
5	PREPSTDTJA	4.901	4.481	4.825	4.744	4.740	5.678
6	PREPBLKTJA	.0157	-.0088	.0633	-.0062	.0365	.0979
7	S96T001080_L	7.291	-.1598	2.610	.0049	.5309	.6274
8	S96T001080_	7.179	.0464	2.740	-.0039	.0971	.7027
9	S96T001080_D	7.210	.0054	2.744	.0030	.0862	.7021
10	S96T001080_S	11.73	3.582	6.392	3.827	3.832	2.927
11	CCV	4.919	4.773	4.945	4.695	5.020	4.649
12	CCB	.0254	-.0097	-.0128	-.0009	.0392	-.0061
13	S96T001081_L	11.70	.0436	6.445	.1538	.6366	.3563
14	S96T001081_	11.12	.0954	6.524	-.0056	.1297	.4165
15	S96T001081_D	11.22	.0989	6.495	.0183	.0897	.4206
16	S96T001082_L	20.94	.4553	8.534	-.0126	.6488	.6803
17	S96T001082_	20.57	.6387	8.559	.0290	.1132	.7409
18	S96T001082_D	18.40	.6042	7.852	.0235	.1032	.8410
19	S96T001083_L	7.141	-.0793	8.900	.1689	.4783	.1510
20	S96T001083_	6.982	.1089	8.869	-.0068	.1069	.2424
21	S96T001083_D	5.337	.1394	9.568	-.0080	.1545	.3882
22	CCV_1	4.954	4.746	4.940	4.693	5.043	4.638
23	CCB_1	.0198	-.0032	-.0081	.0015	.0398	-.0057
24	S96T001084_L	8.859	-.0544	9.678	.0379	.4826	.4108
25	S96T001084_	8.541	.1360	9.729	.0129	.1287	.5260

Analysis Report Averages Thu 04-11-96 02:56:50 PM page 5

#	Sample Name	P	Pb	S	Sb	Se	Si
26	S96T001084_D	9.731	.2187	10.33	.0345	.0996	.5779
27	ICSA	.0251	.0050	.0078	.0056	-.0166	-.0007
28	ICSAB	.0330	.9501	.0191	.0085	-.0410	-.0049
29	CCV_2	4.849	4.764	4.937	4.702	5.008	4.638
30	CCB_2	.0282	-.0090	.0082	.0012	.0389	-.0116

#	Sample Name	Sm	Sr	Th	Ti	Tl	U
1	ICV	4.955	5.011	.0071	4.908	4.832	9.814
2	ICB	-.0220	-.0003	.0148	.0003	-.0050	-.0767
3	ICSA	-.0242	-.0026	.0194	.0019	-.0364	.0053
4	ICSAB	-.0194	-.0025	.0195	.0023	.0178	.1358
5	PREPSTDTJA	4.963	4.862	-.0143	4.431	4.620	9.969
6	PREPBLKTJA	-.0418	-.0003	.0216	.0013	.0070	-.1576
7	S96T001080_L	-.3680	-.0023	.2143	.0116	.1357	-1.346
8	S96T001080_	-.0864	.0016	.0467	.0073	.0474	-.2351
9	S96T001080_D	-.0998	.0013	.0593	.0066	.0266	-.3187
10	S96T001080_S	3.799	3.777	.0366	3.470	3.625	7.603
11	CCV	5.002	4.935	-.0206	4.835	4.837	10.14
12	CCB	-.0238	-.0002	.0158	.0010	-.0014	-.0956
13	S96T001081_L	-.3005	.0008	.2347	.0080	.1813	-.8544
14	S96T001081_	-.0797	.0036	.0598	.0051	.0129	-.1286
15	S96T001081_D	-.0837	.0038	.0736	.0052	-.0279	-.1810
16	S96T001082_L	-.3357	.0260	.3061	.0466	-.0619	.2536
17	S96T001082_	-.0318	.0294	.1013	.0322	.0660	1.339
18	S96T001082_D	-.0590	.0275	.1009	.0330	.0046	1.126
19	S96T001083_L	-.4469	.0001	.3571	.0156	-.2024	-1.318
20	S96T001083_	-.0835	.0052	.0679	.0072	-.0638	-.0042
21	S96T001083_D	-.0945	.0052	.0707	.0059	.0391	-.1022
22	CCV_1	5.021	4.959	-.0119	4.850	4.841	10.18
23	CCB_1	-.0208	-.0003	.0132	.0003	.0166	-.0715
24	S96T001084_L	-.4175	.0009	.2808	.0153	.2543	-1.211
25	S96T001084_	-.0976	.0061	.0654	.0086	-.0432	.0573
26	S96T001084_D	-.1071	.0071	.0733	.0093	-.0464	.0449
27	ICSA	-.0214	-.0025	.0136	.0021	-.0175	.1590
28	ICSAB	-.0296	-.0026	.0100	.0020	.0461	.1321
29	CCV_2	5.011	4.951	-.0037	4.838	4.859	10.15
30	CCB_2	-.0300	-.0005	.0165	.0010	.0351	-.1254

#	Sample Name	V	Y	Zn	Zr
1	ICV	5.031	.0054	4.956	4.933
2	ICB	-.0040	-.0011	.0003	-.0038
3	ICSA	-.0050	.0058	.0002	-.0083
4	ICSAB	.4718	.0060	.9589	-.0075
5	PREPSTDTJA	4.750	.0032	4.596	4.912
6	PREPBLKTJA	-.0065	-.0017	.0081	-.0056
7	S96T001080_L	-.0637	-.0182	.0602	-.0665
8	S96T001080_	-.0124	-.0034	.0704	-.0098
9	S96T001080_D	-.0166	-.0041	.0728	-.0127
10	S96T001080_S	3.724	.0017	3.756	3.800
11	CCV	4.991	.0051	4.940	4.877

Analysis Report Averages Thu 04-11-96 02:56:50 PM page 6

#	Sample Name	V	Y	Zn	Zr
12	CCB	-.0043	-.0011	-.0013	-.0042
13	S96T001081_L	-.0474	-.0102	.0794	-.0479
14	S96T001081	-.0109	-.0028	.0814	-.0096
15	S96T001081_D	-.0114	-.0030	.0822	-.0106
16	S96T001082_L	-.0518	-.0060	.2269	-.0086
17	S96T001082	.0060	.0079	.2370	.0449
18	S96T001082_D	-.0014	.0063	.2279	.0400
19	S96T001083_L	-.0767	-.0183	.1033	-.0722
20	S96T001083	-.0103	-.0016	.0887	-.0032
21	S96T001083_D	-.0171	-.0021	.0845	-.0075
22	CCV_1	5.001	.0046	4.925	4.884
23	CCB_1	-.0038	-.0009	-.0004	-.0033
24	S96T001084_L	-.0765	-.0171	.0926	-.0560
25	S96T001084	-.0099	-.0014	.0896	-.0011
26	S96T001084_D	-.0126	-.0014	.1110	.0004
27	ICSA	-.0054	.0058	.0005	-.0079
28	ICSAB	.4611	.0055	.9457	-.0080
29	CCV_2	4.992	.0046	4.928	4.873
30	CCB_2	-.0064	-.0016	-.0003	-.0059

DK
04-11-96

LABCORE Data Entry Template for Worklist# 7532

Analyst: DK Sato **Instrument:** ICP01-2 DK 4-11-96 **Book#** 53B48B

Method: LA-505-151/161 Rev/Mod B-0

Worklist Comment: ICP U-107 (ACID DIGEST)

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	ICV				@ICP-QC	QC		
2	ICB				@ICP-QC	QC		
3	ICSA				@ICP-QC	QC		
4	ICSAB				@ICP-QC	QC		
5	PREPSTDTJA				@ICP-A01	SOLID		
6	PREPBLKTJA				@ICP-A01	SOLID		
7	SERDIL	S96T001085	0	A	@ICP-A01	SOLID		
8	SAMPLE	S96T001085	0	A	@ICP-A01	SOLID	96000126	U-107
	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						
9	DUP	S96T001085	0	A	@ICP-A01	SOLID		
10	SPK-PREDIG	S96T001085	0	A	@ICP-A01	SOLID		
11	CCV				@ICP-QC	QC		
12	CCB				@ICP-QC	QC		
13	SERDIL	S96T001086	0	A	@ICP-A01	SOLID		
14	SAMPLE	S96T001086	0	A	@ICP-A01	SOLID	96000126	U-107
	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 ,						

Data Entry Comments:

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

LABCORE Data Entry Template for Worklist# 7532

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
					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			
15	DUP	S96T001086	0	A	@ICP-A01	SOLID		
16	SERDIL	S96T001087	0	A	@ICP-A01	SOLID		
17	SAMPLE	S96T001087	0	A	@ICP-A01	SOLID	96000126	U-107
		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	DUP	S96T001087	0	A	@ICP-A01	SOLID		
19	SERDIL	S96T001088	0	A	@ICP-A01	SOLID		
20	SAMPLE	S96T001088	0	A	@ICP-A01	SOLID	96000126	U-107
		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			
21	DUP	S96T001088	0	A	@ICP-A01	SOLID		
22	CCV				@ICP-QC	QC		
23	CCB				@ICP-QC	QC		
24	SERDIL	S96T001130	0	A	@ICP-A01	SOLID		
25	SAMPLE	S96T001130	0	A	@ICP-A01	SOLID	96000126	U-107
		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 ,			

Data Entry Comments:

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

LABCORE Data Entry Template for Worklist# 7532

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
					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			
26	DUP	S96T001130	0	A	@ICP-A01	SOLID		
27	ICSA				@ICP-QC	QC		
28	ICSAB				@ICP-QC	QC		
29	CCV				@ICP-QC	QC		
30	CCB				@ICP-QC	QC		

Final page for worklist # 7532

JK [signature] 04-11-96
Analyst Signature **Date**

Reviewed by: Saul M. Passaro 4/12/96
Analyst Signature **Date**

cpSdTJa, direct
cpblKTJa, direct
6T001085_L, 3-6-2-8, DF 15
6T001085 3-6 3
6T001085_D 3-6 3
6T001085_S 3-6 3
6T001086_L, 3-6-2-8, DF 15
6T001086 3-6 3
6T001086_D 3-6 3
6T001087_L, 3-6-2-8, DF 15
6T001087_ 3-6 3
6T001087_D 3-6 3
6T001088_L, 2-8, DF 5
6T001088 direct 1
6T001088_D direct 1
6T001130_L, 3-6-2-8, DF 15
6T001130 3-6 3
6T001130_D 3-6 3

Data Entry Comments:

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

LABCORE Completed Worklist Report for Worklist# 7532

Analyst: dks LA -505-161 **Instrument:** ICP02 **Book#** 53B 48B

Method: ~~LA 151-151~~ SP 4/12/96 Rev/Mod B-0

Worklist Comment: ICP U-107 (ACID DIGEST)

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
1	ICV		0		@ICP-QC AG	QC	5.0	4.93e+00	98.600	% Recovery
1	ICV		0		@ICP-QC AL	QC	5.0	4.84e+00	96.800	% Recovery
1	ICV		0		@ICP-QC AS	QC	5.0	5.10e+00	102.000	% Recovery
1	ICV		0		@ICP-QC B	QC	5.0	4.94e+00	98.800	% Recovery
1	ICV		0		@ICP-QC BA	QC	5.0	4.92e+00	98.400	% Recovery
1	ICV		0		@ICP-QC BE	QC	5.0	5.09e+00	101.800	% 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	5.04e+00	100.800	% Recovery
1	ICV		0		@ICP-QC CD	QC	5.0	5.01e+00	100.200	% Recovery
1	ICV		0		@ICP-QC CE	QC	5.0	5.08e+00	101.600	% Recovery
1	ICV		0		@ICP-QC CO	QC	5.0	5.02e+00	100.400	% Recovery
1	ICV		0		@ICP-QC CR	QC	5.0	5.06e+00	101.200	% Recovery
1	ICV		0		@ICP-QC CU	QC	5.0	5.09e+00	101.800	% Recovery
1	ICV		0		@ICP-QC FE	QC	5.0	5.02e+00	100.400	% Recovery
1	ICV		0		@ICP-QC K	QC	5.0	4.93e+00	98.600	% 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	4.95e+00	99.000	% Recovery
1	ICV		0		@ICP-QC MG	QC	5.0	4.82e+00	96.400	% Recovery
1	ICV		0		@ICP-QC MN	QC	5.0	4.91e+00	98.200	% 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	4.93e+00	98.600	% Recovery
1	ICV		0		@ICP-QC ND	QC	5.0	5.05e+00	101.000	% 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	5.00e+00	100.000	% Recovery
1	ICV		0		@ICP-QC PB	QC	5.0	4.98e+00	99.600	% Recovery
1	ICV		0		@ICP-QC S	QC	5.0	4.89e+00	97.800	% 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	4.72e+00	94.400	% Recovery
1	ICV		0		@ICP-QC SM	QC	5.0	4.87e+00	97.400	% Recovery
1	ICV		0		@ICP-QC SR	QC	5.0	4.91e+00	98.200	% Recovery
1	ICV		0		@ICP-QC TI	QC	5.0	4.82e+00	96.400	% Recovery
1	ICV		0		@ICP-QC TL	QC	5.00	4.89e+00	97.800	% Recovery
1	ICV		0		@ICP-QC U	QC	10.	9.56e+00	95.600	% Recovery
1	ICV		0		@ICP-QC V	QC	5.0	5.00e+00	100.000	% Recovery
1	ICV		0		@ICP-QC ZN	QC	5.0	5.02e+00	100.400	% Recovery
1	ICV		0		@ICP-QC ZR	QC	5.0	4.89e+00	97.800	% 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# 7532

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	ICSA	0		@ICP-QC	AG	QC	1	<1.00e-2		ug/g
3	ICSA	0		@ICP-QC	AL	QC	250	2.37e+02	94.800	% Recovery
3	ICSA	0		@ICP-QC	AS	QC	1.0	<1.00e-1		ug/g
3	ICSA	0		@ICP-QC	B	QC	1	<5.00e-2		ug/g
3	ICSA	0		@ICP-QC	BA	QC	1	<5.00e-2		ug/g
3	ICSA	0		@ICP-QC	BE	QC	1	<5.00e-3		ug/g
3	ICSA	0		@ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
3	ICSA	0		@ICP-QC	CA	QC	250	2.47e+02	98.800	% Recovery
3	ICSA	0		@ICP-QC	CD	QC	1	<5.00e-3		ug/g
3	ICSA	0		@ICP-QC	CE	QC	1	<1.00e-1		ug/g
3	ICSA	0		@ICP-QC	CO	QC	1	<2.00e-2		ug/g
3	ICSA	0		@ICP-QC	CR	QC	1	<1.00e-2		ug/g
3	ICSA	0		@ICP-QC	CU	QC	1	<1.00e-2		ug/g
3	ICSA	0		@ICP-QC	FE	QC	100	9.28e+01	92.800	% Recovery
3	ICSA	0		@ICP-QC	K	QC	1	<5.00e-1		ug/g
3	ICSA	0		@ICP-QC	LA	QC	1.0	<5.00e-2		ug/g

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

LABCORE Completed Worklist Report for Worklist# 7532

Seq	Type	Sample#	R	A		Test	Matrix	Actual	Found	DL or Yield	Unit
3	ICSA		0		●ICP-QC	LI	QC	1	<1.00e-2		ug/g
3	ICSA		0		●ICP-QC	MG	QC	250	2.40e+02	96.000	% Recovery
3	ICSA		0		●ICP-QC	MN	QC	1.0	<1.00e-2		ug/g
3	ICSA		0		●ICP-QC	MO	QC	1	<5.00e-2		ug/g
3	ICSA		0		●ICP-QC	NA	QC	200	1.98e+02	99.000	% Recovery
3	ICSA		0		●ICP-QC	ND	QC	1	<1.00e-1		ug/g
3	ICSA		0		●ICP-QC	NI	QC	1	<2.00e-2		ug/g
3	ICSA		0		●ICP-QC	P	QC	1.0	<2.00e-1		ug/g
3	ICSA		0		●ICP-QC	PB	QC	1	<1.00e-1		ug/g
3	ICSA		0		●ICP-QC	S	QC	1.0	<1.00e-1		ug/g
3	ICSA		0		●ICP-QC	SB	QC	1	<6.00e-2		ug/g
3	ICSA		0		●ICP-QC	SE	QC	1	<1.00e-1		ug/g
3	ICSA		0		●ICP-QC	SI	QC	1	<5.00e-2		ug/g
3	ICSA		0		●ICP-QC	SM	QC	1	<1.00e-1		ug/g
3	ICSA		0		●ICP-QC	SR	QC	1	<1.00e-2		ug/g
3	ICSA		0		●ICP-QC	TI	QC	1	<1.00e-2		ug/g
3	ICSA		0		●ICP-QC	TL	QC	1.0	<2.00e-1		ug/g
3	ICSA		0		●ICP-QC	U	QC	1	<5.00e-1		ug/g
3	ICSA		0		●ICP-QC	V	QC	1	<5.00e-2		ug/g
3	ICSA		0		●ICP-QC	ZN	QC	1.0	<1.00e-2		ug/g
3	ICSA		0		●ICP-QC	ZR	QC	1	<1.00e-2		ug/g
4	ICSAB		0		●ICP-QC	AG	QC	1.0	9.79e-01	97.900	% Recovery
4	ICSAB		0		●ICP-QC	AL	QC	250	2.40e+02	96.000	% Recovery
4	ICSAB		0		●ICP-QC	AS	QC	1.0	<1.00e-1		ug/g
4	ICSAB		0		●ICP-QC	B	QC	1.0	<5.00e-2		ug/g
4	ICSAB		0		●ICP-QC	BA	QC	0.5	4.91e-01	98.200	% Recovery
4	ICSAB		0		●ICP-QC	BE	QC	0.5	4.83e-01	96.600	% Recovery
4	ICSAB		0		●ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
4	ICSAB		0		●ICP-QC	CA	QC	250	2.52e+02	100.800	% Recovery
4	ICSAB		0		●ICP-QC	CD	QC	1.0	9.65e-01	96.500	% Recovery
4	ICSAB		0		●ICP-QC	CE	QC	1.0	<1.00e-1		ug/g
4	ICSAB		0		●ICP-QC	CO	QC	0.5	4.77e-01	95.400	% Recovery
4	ICSAB		0		●ICP-QC	CR	QC	0.5	4.85e-01	97.000	% Recovery
4	ICSAB		0		●ICP-QC	CU	QC	0.5	4.90e-01	98.000	% Recovery
4	ICSAB		0		●ICP-QC	FE	QC	100	9.33e+01	93.300	% Recovery
4	ICSAB		0		●ICP-QC	K	QC	1.0	<5.00e-1		ug/g
4	ICSAB		0		●ICP-QC	LA	QC	1.0	<5.00e-2		ug/g
4	ICSAB		0		●ICP-QC	LI	QC	1.0	9.85e-01	98.500	% Recovery
4	ICSAB		0		●ICP-QC	MG	QC	250	2.41e+02	96.400	% Recovery
4	ICSAB		0		●ICP-QC	MN	QC	0.5	4.57e-01	91.400	% Recovery
4	ICSAB		0		●ICP-QC	MO	QC	1.0	<5.00e-2		ug/g
4	ICSAB		0		●ICP-QC	NA	QC	200	1.98e+02	99.000	% Recovery
4	ICSAB		0		●ICP-QC	ND	QC	1.0	<1.00e-1		ug/g
4	ICSAB		0		●ICP-QC	NI	QC	1.0	9.24e-01	92.400	% Recovery
4	ICSAB		0		●ICP-QC	P	QC	1.0	<2.00e-1		ug/g
4	ICSAB		0		●ICP-QC	PB	QC	1.0	1.05e+00	105.000	% Recovery
4	ICSAB		0		●ICP-QC	S	QC	1.0	<1.00e-1		ug/g
4	ICSAB		0		●ICP-QC	SB	QC	1.0	<6.00e-2		ug/g
4	ICSAB		0		●ICP-QC	SE	QC	1.0	<1.00e-1		ug/g

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

LABCORE Completed Worklist Report for Worklist# 7532

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
4	ICSAB	0		●ICP-QC	SI	QC	1.0	<5.00e-2		ug/g
4	ICSAB	0		●ICP-QC	SM	QC	1.0	<1.00e-1		ug/g
4	ICSAB	0		●ICP-QC	SR	QC	1.0	<1.00e-2		ug/g
4	ICSAB	0		●ICP-QC	TI	QC	1.0	<1.00e-2		ug/g
4	ICSAB	0		●ICP-QC	TL	QC	1.0	<2.00e-1		ug/g
4	ICSAB	0		●ICP-QC	U	QC	1.0	<5.00e-1		ug/g
4	ICSAB	0		●ICP-QC	V	QC	0.5	4.75e-01	95.000	% Recovery
4	ICSAB	0		●ICP-QC	ZN	QC	1.0	9.73e-01	97.300	% Recovery
4	ICSAB	0		●ICP-QC	ZR	QC	1.0	<1.00e-2		ug/g
5	PREPSTDTJA	0		●ICP-A01	AG-A-01	SOLID	1.0	9.45e-01	94.500	% Recovery
5	PREPSTDTJA	0		●ICP-A01	AL-A-01	SOLID	5.0	4.77e+00	95.400	% Recovery
5	PREPSTDTJA	0		●ICP-A01	AS-A-01	SOLID	5.0	4.88e+00	97.600	% Recovery
5	PREPSTDTJA	0		●ICP-A01	B-A-01	SOLID	5.0	5.19e+00	103.800	% Recovery
5	PREPSTDTJA	0		●ICP-A01	BA-A-01	SOLID	5.0	4.78e+00	95.600	% Recovery
5	PREPSTDTJA	0		●ICP-A01	BE-A-01	SOLID	5.0	5.36e+00	107.200	% Recovery
5	PREPSTDTJA	0		●ICP-A01	BI-A-01	SOLID	5.0	4.77e+00	95.400	% Recovery
5	PREPSTDTJA	0		●ICP-A01	CA-A-01	SOLID	5.0	4.88e+00	97.600	% Recovery
5	PREPSTDTJA	0		●ICP-A01	CD-A-01	SOLID	5.0	4.73e+00	94.600	% Recovery
5	PREPSTDTJA	0		●ICP-A01	CE-A-01	SOLID	5.0	5.01e+00	100.200	% Recovery
5	PREPSTDTJA	0		●ICP-A01	CO-A-01	SOLID	5.0	4.84e+00	96.800	% Recovery
5	PREPSTDTJA	0		●ICP-A01	CR-A-01	SOLID	5.0	4.76e+00	95.200	% Recovery
5	PREPSTDTJA	0		●ICP-A01	CU-A-01	SOLID	5.0	4.72e+00	94.400	% Recovery
5	PREPSTDTJA	0		●ICP-A01	FE-A-01	SOLID	5.0	4.75e+00	95.000	% Recovery
5	PREPSTDTJA	0		●ICP-A01	K-A-01	SOLID	5.0	4.76e+00	95.200	% Recovery
5	PREPSTDTJA	0		●ICP-A01	LA-A-01	SOLID	5.0	4.87e+00	97.400	% Recovery
5	PREPSTDTJA	0		●ICP-A01	LI-A-01	SOLID	5.0	4.78e+00	95.600	% Recovery
5	PREPSTDTJA	0		●ICP-A01	MG-A-01	SOLID	5.0	4.54e+00	90.800	% Recovery
5	PREPSTDTJA	0		●ICP-A01	MN-A-01	SOLID	5.0	4.65e+00	93.000	% Recovery
5	PREPSTDTJA	0		●ICP-A01	MO-A-01	SOLID	5.0	4.75e+00	95.000	% Recovery
5	PREPSTDTJA	0		●ICP-A01	NA-A-01	SOLID	5.0	5.69e+00	113.800	% Recovery
5	PREPSTDTJA	0		●ICP-A01	ND-A-01	SOLID	5.0	4.82e+00	96.400	% Recovery
5	PREPSTDTJA	0		●ICP-A01	NI-A-01	SOLID	5.0	4.82e+00	96.400	% Recovery
5	PREPSTDTJA	0		●ICP-A01	P-A-01	SOLID	5.0	4.84e+00	96.800	% Recovery
5	PREPSTDTJA	0		●ICP-A01	PB-A-01	SOLID	5.0	4.63e+00	92.600	% Recovery
5	PREPSTDTJA	0		●ICP-A01	S-A-01	SOLID	5.0	4.70e+00	94.000	% Recovery
5	PREPSTDTJA	0		●ICP-A01	SB-A-01	SOLID	5.0	4.83e+00	96.600	% Recovery
5	PREPSTDTJA	0		●ICP-A01	SE-A-01	SOLID	5.0	4.58e+00	91.600	% Recovery
5	PREPSTDTJA	0		●ICP-A01	SI-A-01	SOLID	5.0	6.91e+00	138.200	% Recovery
5	PREPSTDTJA	0		●ICP-A01	SM-A-01	SOLID	5.0	4.74e+00	94.800	% Recovery
5	PREPSTDTJA	0		●ICP-A01	SR-A-01	SOLID	5.0	4.75e+00	95.000	% Recovery
5	PREPSTDTJA	0		●ICP-A01	TL-A-01	SOLID	5.0	4.55e+00	91.000	% Recovery
5	PREPSTDTJA	0		●ICP-A01	U-A-01	SOLID	10.	9.25e+00	92.500	% Recovery
5	PREPSTDTJA	0		●ICP-A01	V-A-01	SOLID	5.0	4.69e+00	93.800	% Recovery
5	PREPSTDTJA	0		●ICP-A01	ZN-A-01	SOLID	5.0	4.61e+00	92.200	% Recovery
5	PREPSTDTJA	0		●ICP-A01	ZR-A-01	SOLID	5.0	5.09e+00	101.800	% Recovery
5	PREPSTDTJA	0		●ICP-A01	TI-A-01	SOLID	5.0	4.44e+00	88.800	% Recovery
6	PREPBLKTJA	0		●ICP-A01	AG-A-01	SOLID	1	<1.00e-2		ug/g
6	PREPBLKTJA	0		●ICP-A01	AL-A-01	SOLID	1	1.43e-01	0.140	ug/g
6	PREPBLKTJA	0		●ICP-A01	AS-A-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# 7532

Seq	Type	Sample#	R	A	Test	Matrix	Actual		Found	DL or Yield	Unit
6	PREPBLKTJA		0		@ICP-A01 B-A-01	SOLID	1		6.37e-01	0.640	ug/g
6	PREPBLKTJA		0		@ICP-A01 BA-A-01	SOLID	1		<5.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 BE-A-01	SOLID	1		<5.00e-3		ug/g
6	PREPBLKTJA		0		@ICP-A01 BI-A-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 CA-A-01	SOLID	1		2.87e-01	0.290	ug/g
6	PREPBLKTJA		0		@ICP-A01 CD-A-01	SOLID	1		<5.00e-3		ug/g
6	PREPBLKTJA		0		@ICP-A01 CE-A-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 CO-A-01	SOLID	1		<2.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 CR-A-01	SOLID	1		1.04e-02	1.000e-002	ug/g
6	PREPBLKTJA		0		@ICP-A01 CU-A-01	SOLID	1		2.77e-02	3.000e-002	ug/g
6	PREPBLKTJA		0		@ICP-A01 FE-A-01	SOLID	1		7.14e-02	7.000e-002	ug/g
6	PREPBLKTJA		0		@ICP-A01 K-A-01	SOLID	1		<5.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 LA-A-01	SOLID	1		<5.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 LI-A-01	SOLID	1		<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 MG-A-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 MN-A-01	SOLID	1		<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 MO-A-01	SOLID	1		<5.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 NA-A-01	SOLID	1		1.19e+00	1.190	ug/g
6	PREPBLKTJA		0		@ICP-A01 ND-A-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 NI-A-01	SOLID	1		<2.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 P-A-01	SOLID	1		<2.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 PB-A-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 S-A-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 SB-A-01	SOLID	1		<6.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 SE-A-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 SI-A-01	SOLID	1		6.50e-01	0.650	ug/g
6	PREPBLKTJA		0		@ICP-A01 SM-A-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 SR-A-01	SOLID	1		<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 TL-A-01	SOLID	1		<2.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 U-A-01	SOLID	1		<5.00e-1		ug/g
6	PREPBLKTJA		0		@ICP-A01 V-A-01	SOLID	1		<5.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 ZN-A-01	SOLID	1		1.79e-02	2.000e-002	ug/g
6	PREPBLKTJA		0		@ICP-A01 ZR-A-01	SOLID	1		<1.00e-2		ug/g
6	PREPBLKTJA		0		@ICP-A01 TI-A-01	SOLID	1		<1.00e-2		ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 AG-A-01	SOLID	N/A		1.30e+01	5.890	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 AL-A-01	SOLID	N/A		1.43e+04	29.400	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 AS-A-01	SOLID	N/A	<	5.88e+01	58.800	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 B-A-01	SOLID	N/A		3.41e+01	29.400	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 BA-A-01	SOLID	N/A	<	2.94e+01	29.400	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 BE-A-01	SOLID	N/A	<	2.94e+00	2.940	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 BI-A-01	SOLID	N/A		1.07e+02	58.800	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 CA-A-01	SOLID	N/A		4.81e+02	58.800	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 CD-A-01	SOLID	N/A		8.93e+00	2.940	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 CE-A-01	SOLID	N/A	<	5.88e+01	58.800	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 CO-A-01	SOLID	N/A	<	1.18e+01	11.800	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 CR-A-01	SOLID	N/A		8.04e+03	5.890	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 CU-A-01	SOLID	N/A		1.18e+01	5.890	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 FE-A-01	SOLID	N/A		3.45e+03	29.400	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 K-A-01	SOLID	N/A		7.67e+02	294.000	ug/g

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

LABCORE Completed Worklist Report for Worklist# 7532

Seq	Type	Sample#	R	A	Test	Matrix	Actual		Found	DL or Yield	Unit
7	SAMPLE	S96T001085	0	A	@ICP-A01 LA-A-01	SOLID	N/A	<	2.94e+01	29.400	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 LI-A-01	SOLID	N/A		5.36e+01	5.890	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 MG-A-01	SOLID	N/A		1.57e+02	58.800	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 MN-A-01	SOLID	N/A		2.27e+03	5.890	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 MO-A-01	SOLID	N/A	<	2.94e+01	29.400	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 NA-A-01	SOLID	N/A		1.63e+05	58.800	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 ND-A-01	SOLID	N/A	<	5.88e+01	58.800	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 NI-A-01	SOLID	N/A		7.04e+01	11.800	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 P-A-01	SOLID	N/A		1.64e+04	118.000	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 PB-A-01	SOLID	N/A		2.56e+02	58.800	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 S-A-01	SOLID	N/A		5.16e+02	58.800	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 SB-A-01	SOLID	N/A	<	3.53e+01	35.300	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 SE-A-01	SOLID	N/A	<	5.88e+01	58.800	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 SI-A-01	SOLID	N/A		3.02e+02	29.400	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 SM-A-01	SOLID	N/A	<	5.88e+01	58.800	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 SR-A-01	SOLID	N/A		7.44e+00	5.890	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 TI-A-01	SOLID	N/A		9.14e+00	5.890	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 TL-A-01	SOLID	N/A	<	1.18e+02	118.000	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 U-A-01	SOLID	N/A		3.33e+02	294.000	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 V-A-01	SOLID	N/A	<	2.94e+01	29.400	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 ZN-A-01	SOLID	N/A		8.39e+01	5.890	ug/g
7	SAMPLE	S96T001085	0	A	@ICP-A01 ZR-A-01	SOLID	N/A		1.18e+01	5.890	ug/g
8	DUP	S96T001085	0	A	@ICP-A01 AG-A-01	SOLID	1.30e+01		1.37e+01	5.240	RPD
8	DUP	S96T001085	0	A	@ICP-A01 AL-A-01	SOLID	1.43e+04		2.09e+04	37.500	RPD
8	DUP	S96T001085	0	A	@ICP-A01 AS-A-01	SOLID	<5.88e1		<5.55e1		RPD
8	DUP	S96T001085	0	A	@ICP-A01 B-A-01	SOLID	3.41e+01		1.44e+02	123.410	RPD
8	DUP	S96T001085	0	A	@ICP-A01 BA-A-01	SOLID	<2.94e1		<2.78e1		RPD
8	DUP	S96T001085	0	A	@ICP-A01 BE-A-01	SOLID	<2.94e0		<2.78e0		RPD
8	DUP	S96T001085	0	A	@ICP-A01 BI-A-01	SOLID	1.07e+02		1.16e+02	8.070	RPD
8	DUP	S96T001085	0	A	@ICP-A01 CA-A-01	SOLID	4.81e+02		4.49e+02	6.880	RPD
8	DUP	S96T001085	0	A	@ICP-A01 CD-A-01	SOLID	8.93e+00		8.21e+00	8.400	RPD
8	DUP	S96T001085	0	A	@ICP-A01 CE-A-01	SOLID	<5.88e1		<5.55e1		RPD
8	DUP	S96T001085	0	A	@ICP-A01 CO-A-01	SOLID	<1.18e1		<1.11e1		RPD
8	DUP	S96T001085	0	A	@ICP-A01 CR-A-01	SOLID	8.04e+03		8.39e+03	4.260	RPD
8	DUP	S96T001085	0	A	@ICP-A01 CU-A-01	SOLID	1.18e+01		1.21e+01	2.510	RPD
8	DUP	S96T001085	0	A	@ICP-A01 FE-A-01	SOLID	3.45e+03		3.52e+03	2.010	RPD
8	DUP	S96T001085	0	A	@ICP-A01 K-A-01	SOLID	7.67e+02		7.80e+02	1.680	RPD
8	DUP	S96T001085	0	A	@ICP-A01 LA-A-01	SOLID	<2.94e1		<2.78e1		RPD
8	DUP	S96T001085	0	A	@ICP-A01 LI-A-01	SOLID	5.36e+01		5.16e+01	3.800	RPD
8	DUP	S96T001085	0	A	@ICP-A01 MG-A-01	SOLID	1.57e+02		1.55e+02	1.280	RPD
8	DUP	S96T001085	0	A	@ICP-A01 MN-A-01	SOLID	2.27e+03		2.28e+03	0.440	RPD
8	DUP	S96T001085	0	A	@ICP-A01 MO-A-01	SOLID	<2.94e1		<2.78e1		RPD
8	DUP	S96T001085	0	A	@ICP-A01 NA-A-01	SOLID	1.63e+05		1.73e+05	5.950	RPD
8	DUP	S96T001085	0	A	@ICP-A01 ND-A-01	SOLID	<5.88e1		<5.55e1		RPD
8	DUP	S96T001085	0	A	@ICP-A01 NI-A-01	SOLID	7.04e+01		8.16e+01	14.740	RPD
8	DUP	S96T001085	0	A	@ICP-A01 P-A-01	SOLID	1.64e+04		1.58e+04	3.730	RPD
8	DUP	S96T001085	0	A	@ICP-A01 PB-A-01	SOLID	2.56e+02		2.66e+02	3.830	RPD
8	DUP	S96T001085	0	A	@ICP-A01 S-A-01	SOLID	5.16e+02		5.17e+02	0.190	RPD
8	DUP	S96T001085	0	A	@ICP-A01 SB-A-01	SOLID	<3.53e1		<3.33e1		RPD

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

LABCORE Completed Worklist Report for Worklist# 7532

Seq	Type	Sample#	R	A		Test	Matrix	Actual	Found	DL or Yield	Unit
8	DUP	S96T001085	0	A	@ICP-A01	SE-A-01	SOLID	<5.88e1	<5.55e1		RPD
8	DUP	S96T001085	0	A	@ICP-A01	SI-A-01	SOLID	3.02e+02	3.93e+02	26.190	RPD
8	DUP	S96T001085	0	A	@ICP-A01	SM-A-01	SOLID	<5.88e1	<5.55e1		RPD
8	DUP	S96T001085	0	A	@ICP-A01	SR-A-01	SOLID	7.44e+00	7.74e+00	3.950	RPD
8	DUP	S96T001085	0	A	@ICP-A01	TL-A-01	SOLID	<1.18e2	<1.11e2		RPD
8	DUP	S96T001085	0	A	@ICP-A01	U-A-01	SOLID	3.33e+02	3.34e+02	0.300	RPD
8	DUP	S96T001085	0	A	@ICP-A01	V-A-01	SOLID	<2.94e1	<2.78e1		RPD
8	DUP	S96T001085	0	A	@ICP-A01	ZN-A-01	SOLID	8.39e+01	8.54e+01	1.770	RPD
8	DUP	S96T001085	0	A	@ICP-A01	ZR-A-01	SOLID	1.18e+01	7.03e+00	50.660	RPD
8	DUP	S96T001085	0	A	@ICP-A01	TI-A-01	SOLID	9.14e+00	8.89e+00	2.770	RPD
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	AG-A-01	SOLID	1.000	0.914	91.400	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	AL-A-01	SOLID	5.000	41.977	839.540	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	AS-A-01	SOLID	5.000	4.61e+00	92.200	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	B-A-01	SOLID	5.000	4.546	90.920	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	BA-A-01	SOLID	5.000	4.58e+00	91.600	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	BE-A-01	SOLID	5.000	4.63e+00	92.600	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	BI-A-01	SOLID	5.000	4.645	92.900	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	CA-A-01	SOLID	5.000	4.488	89.760	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	CD-A-01	SOLID	5.000	4.564	91.280	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	CE-A-01	SOLID	5.000	4.79e+00	95.800	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	CO-A-01	SOLID	5.000	4.65e+00	93.000	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	CR-A-01	SOLID	5.000	7.406	148.120	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	CU-A-01	SOLID	5.000	4.460	89.200	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	FE-A-01	SOLID	5.000	6.021	120.420	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	K-A-01	SOLID	5.000	4.488	89.760	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	LA-A-01	SOLID	5.000	4.75e+00	95.000	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	LI-A-01	SOLID	5.000	4.527	90.540	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	MG-A-01	SOLID	5.000	4.272	85.440	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	MN-A-01	SOLID	5.000	5.445	108.900	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	MO-A-01	SOLID	5.000	4.65e+00	93.000	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	NA-A-01	SOLID	5.000	87.050	1.741e+003	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	ND-A-01	SOLID	5.000	4.73e+00	94.600	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	NI-A-01	SOLID	5.000	4.661	93.220	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	P-A-01	SOLID	5.000	<6.00e-1		% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	PB-A-01	SOLID	5.000	4.567	91.340	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	S-A-01	SOLID	5.000	4.738	94.760	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	SB-A-01	SOLID	5.000	4.60e+00	92.000	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	SE-A-01	SOLID	5.000	4.34e+00	86.800	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	SI-A-01	SOLID	5.000	1.969	39.380	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	SM-A-01	SOLID	5.000	4.54e+00	90.800	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	SR-A-01	SOLID	5.000	4.532	90.640	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	TL-A-01	SOLID	5.000	4.41e+00	88.200	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	U-A-01	SOLID	10.000	8.902	89.020	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	V-A-01	SOLID	5.000	4.50e+00	90.000	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	ZN-A-01	SOLID	5.000	4.552	91.040	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	ZR-A-01	SOLID	5.000	0.635	12.700	% Recovery
9	SPK-PREDIGS	96T001085	0	A	@ICP-A01	TI-A-01	SOLID	5.000	4.043	80.860	% Recovery
10	CCV		0		@ICP-QC	AG	QC	5.0	4.96e+00	99.200	% Recovery
10	CCV		0		@ICP-QC	AL	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# 7532

Seq	Type	Sample#	R	A		Test	Matrix	Actual	Found	DL or Yield	Unit
10	CCV		0		●ICP-QC	AS	QC	5.0	5.12e+00	102.400	% Recovery
10	CCV		0		●ICP-QC	B	QC	5.0	4.92e+00	98.400	% Recovery
10	CCV		0		●ICP-QC	BA	QC	5.0	4.95e+00	99.000	% Recovery
10	CCV		0		●ICP-QC	BE	QC	5.0	5.10e+00	102.000	% Recovery
10	CCV		0		●ICP-QC	BI	QC	5.0	5.02e+00	100.400	% Recovery
10	CCV		0		●ICP-QC	CA	QC	5.0	5.14e+00	102.800	% Recovery
10	CCV		0		●ICP-QC	CD	QC	5.0	5.04e+00	100.800	% Recovery
10	CCV		0		●ICP-QC	CE	QC	5.0	5.12e+00	102.400	% Recovery
10	CCV		0		●ICP-QC	CO	QC	5.0	5.06e+00	101.200	% Recovery
10	CCV		0		●ICP-QC	CR	QC	5.0	5.09e+00	101.800	% Recovery
10	CCV		0		●ICP-QC	CU	QC	5.0	5.07e+00	101.400	% 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	5.02e+00	100.400	% Recovery
10	CCV		0		●ICP-QC	LA	QC	5.0	5.01e+00	100.200	% Recovery
10	CCV		0		●ICP-QC	LI	QC	5.0	4.92e+00	98.400	% Recovery
10	CCV		0		●ICP-QC	MG	QC	5.0	4.83e+00	96.600	% Recovery
10	CCV		0		●ICP-QC	MN	QC	5.0	4.95e+00	99.000	% Recovery
10	CCV		0		●ICP-QC	MO	QC	5.0	5.03e+00	100.600	% Recovery
10	CCV		0		●ICP-QC	NA	QC	5.0	4.89e+00	97.800	% 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	4.99e+00	99.800	% Recovery
10	CCV		0		●ICP-QC	P	QC	5.0	4.95e+00	99.000	% Recovery
10	CCV		0		●ICP-QC	PB	QC	5.0	5.04e+00	100.800	% Recovery
10	CCV		0		●ICP-QC	S	QC	5.0	4.91e+00	98.200	% Recovery
10	CCV		0		●ICP-QC	SB	QC	5.0	4.77e+00	95.400	% Recovery
10	CCV		0		●ICP-QC	SE	QC	5.0	4.91e+00	98.200	% Recovery
10	CCV		0		●ICP-QC	SI	QC	5.0	4.76e+00	95.200	% Recovery
10	CCV		0		●ICP-QC	SM	QC	5.0	4.87e+00	97.400	% Recovery
10	CCV		0		●ICP-QC	SR	QC	5.0	4.91e+00	98.200	% Recovery
10	CCV		0		●ICP-QC	TI	QC	5.0	4.84e+00	96.800	% Recovery
10	CCV		0		●ICP-QC	TL	QC	5.0	4.90e+00	98.000	% Recovery
10	CCV		0		●ICP-QC	U	QC	10.	9.58e+00	95.800	% Recovery
10	CCV		0		●ICP-QC	V	QC	5.0	5.03e+00	100.600	% Recovery
10	CCV		0		●ICP-QC	ZN	QC	5.0	5.05e+00	101.000	% Recovery
10	CCV		0		●ICP-QC	ZR	QC	5.0	4.92e+00	98.400	% 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# 7532

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	SAMPLE	S96T001086	0	A	●ICP-A01	AG-A-01	SOLID	N/A		1.66e+01	5.460	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	AL-A-01	SOLID	N/A		1.16e+04	27.300	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	AS-A-01	SOLID	N/A	<	5.46e+01	54.600	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	B-A-01	SOLID	N/A		3.40e+01	27.300	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	BA-A-01	SOLID	N/A	<	2.73e+01	27.300	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	BE-A-01	SOLID	N/A	<	2.73e+00	2.730	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	BI-A-01	SOLID	N/A		2.54e+02	54.600	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	CA-A-01	SOLID	N/A		3.87e+02	54.600	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	CD-A-01	SOLID	N/A		9.36e+00	2.730	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	CE-A-01	SOLID	N/A	<	5.46e+01	54.600	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	CO-A-01	SOLID	N/A	<	1.09e+01	10.900	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	CR-A-01	SOLID	N/A		8.05e+03	5.460	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	CU-A-01	SOLID	N/A		2.82e+01	5.460	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	FE-A-01	SOLID	N/A		6.25e+03	27.300	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	K-A-01	SOLID	N/A		5.93e+02	273.000	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	LA-A-01	SOLID	N/A	<	2.73e+01	27.300	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	LI-A-01	SOLID	N/A		1.72e+01	5.460	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	MG-A-01	SOLID	N/A		2.73e+02	54.600	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	MN-A-01	SOLID	N/A		1.23e+03	5.460	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	MO-A-01	SOLID	N/A	<	2.73e+01	27.300	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	NA-A-01	SOLID	N/A		1.74e+05	54.600	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	ND-A-01	SOLID	N/A	<	5.46e+01	54.600	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	NI-A-01	SOLID	N/A		6.66e+01	10.900	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	P-A-01	SOLID	N/A		1.27e+04	109.000	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	PB-A-01	SOLID	N/A		3.49e+02	54.600	ug/g
12	SAMPLE	S96T001086	0	A	●ICP-A01	S-A-01	SOLID	N/A		2.79e+02	54.600	ug/g

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

LABCORE Completed Worklist Report for Worklist# 7532

Seq	Type	Sample#	R	A	Test	Matrix	Actual		Found	DL or Yield	Unit
12	SAMPLE	S96T001086	0	A	@ICP-A01 SB-A-01	SOLID	N/A	<	3.28e+01	32.800	ug/g
12	SAMPLE	S96T001086	0	A	@ICP-A01 SE-A-01	SOLID	N/A	<	5.46e+01	54.600	ug/g
12	SAMPLE	S96T001086	0	A	@ICP-A01 SI-A-01	SOLID	N/A		2.49e+02	27.300	ug/g
12	SAMPLE	S96T001086	0	A	@ICP-A01 SM-A-01	SOLID	N/A	<	5.46e+01	54.600	ug/g
12	SAMPLE	S96T001086	0	A	@ICP-A01 SR-A-01	SOLID	N/A		1.17e+01	5.460	ug/g
12	SAMPLE	S96T001086	0	A	@ICP-A01 TI-A-01	SOLID	N/A		1.43e+01	5.460	ug/g
12	SAMPLE	S96T001086	0	A	@ICP-A01 TL-A-01	SOLID	N/A	<	1.09e+02	109.000	ug/g
12	SAMPLE	S96T001086	0	A	@ICP-A01 U-A-01	SOLID	N/A		5.54e+02	273.000	ug/g
12	SAMPLE	S96T001086	0	A	@ICP-A01 V-A-01	SOLID	N/A	<	2.73e+01	27.300	ug/g
12	SAMPLE	S96T001086	0	A	@ICP-A01 ZN-A-01	SOLID	N/A		9.03e+01	5.460	ug/g
12	SAMPLE	S96T001086	0	A	@ICP-A01 ZR-A-01	SOLID	N/A		1.81e+01	5.460	ug/g
13	DUP	S96T001086	0	A	@ICP-A01 AG-A-01	SOLID	1.66e+01		1.80e+01	8.090	RPD
13	DUP	S96T001086	0	A	@ICP-A01 AL-A-01	SOLID	1.16e+04		2.11e+04	58.100	RPD
13	DUP	S96T001086	0	A	@ICP-A01 AS-A-01	SOLID	<5.46e1		<6.04e1		RPD
13	DUP	S96T001086	0	A	@ICP-A01 B-A-01	SOLID	3.40e+01		6.46e+01	62.070	RPD
13	DUP	S96T001086	0	A	@ICP-A01 BA-A-01	SOLID	<2.73e1		<3.02e1		RPD
13	DUP	S96T001086	0	A	@ICP-A01 BE-A-01	SOLID	<2.73e0		<3.02e0		RPD
13	DUP	S96T001086	0	A	@ICP-A01 BI-A-01	SOLID	2.54e+02		3.79e+02	39.490	RPD
13	DUP	S96T001086	0	A	@ICP-A01 CA-A-01	SOLID	3.87e+02		6.68e+02	53.270	RPD
13	DUP	S96T001086	0	A	@ICP-A01 CD-A-01	SOLID	9.36e+00		1.66e+01	55.780	RPD
13	DUP	S96T001086	0	A	@ICP-A01 CE-A-01	SOLID	<5.46e1		<6.04e1		RPD
13	DUP	S96T001086	0	A	@ICP-A01 CO-A-01	SOLID	<1.09e1		<1.21e1		RPD
13	DUP	S96T001086	0	A	@ICP-A01 CR-A-01	SOLID	8.05e+03		1.41e+04	54.630	RPD
13	DUP	S96T001086	0	A	@ICP-A01 CU-A-01	SOLID	2.82e+01		3.79e+01	29.350	RPD
13	DUP	S96T001086	0	A	@ICP-A01 FE-A-01	SOLID	6.25e+03		1.02e+04	48.020	RPD
13	DUP	S96T001086	0	A	@ICP-A01 K-A-01	SOLID	5.93e+02		8.75e+02	38.420	RPD
13	DUP	S96T001086	0	A	@ICP-A01 LA-A-01	SOLID	<2.73e1		<3.02e1		RPD
13	DUP	S96T001086	0	A	@ICP-A01 LI-A-01	SOLID	1.72e+01		3.55e+01	69.450	RPD
13	DUP	S96T001086	0	A	@ICP-A01 MG-A-01	SOLID	2.73e+02		4.48e+02	48.540	RPD
13	DUP	S96T001086	0	A	@ICP-A01 MN-A-01	SOLID	1.23e+03		2.11e+03	52.690	RPD
13	DUP	S96T001086	0	A	@ICP-A01 MO-A-01	SOLID	<2.73e1		3.82e+01		RPD
13	DUP	S96T001086	0	A	@ICP-A01 NA-A-01	SOLID	1.74e+05		1.54e+05	12.200	RPD
13	DUP	S96T001086	0	A	@ICP-A01 ND-A-01	SOLID	<5.46e1		<6.04e1		RPD
13	DUP	S96T001086	0	A	@ICP-A01 NI-A-01	SOLID	6.66e+01		1.14e+02	52.490	RPD
13	DUP	S96T001086	0	A	@ICP-A01 P-A-01	SOLID	1.27e+04		2.48e+04	64.530	RPD
13	DUP	S96T001086	0	A	@ICP-A01 PB-A-01	SOLID	3.49e+02		5.64e+02	47.100	RPD
13	DUP	S96T001086	0	A	@ICP-A01 S-A-01	SOLID	2.79e+02		4.89e+02	54.690	RPD
13	DUP	S96T001086	0	A	@ICP-A01 SB-A-01	SOLID	<3.28e1		<3.62e1		RPD
13	DUP	S96T001086	0	A	@ICP-A01 SE-A-01	SOLID	<5.46e1		<6.04e1		RPD
13	DUP	S96T001086	0	A	@ICP-A01 SI-A-01	SOLID	2.49e+02		3.97e+02	45.820	RPD
13	DUP	S96T001086	0	A	@ICP-A01 SM-A-01	SOLID	<5.46e1		<6.04e1		RPD
13	DUP	S96T001086	0	A	@ICP-A01 SR-A-01	SOLID	1.17e+01		1.95e+01	50.000	RPD
13	DUP	S96T001086	0	A	@ICP-A01 TL-A-01	SOLID	<1.09e2		<1.21e2		RPD
13	DUP	S96T001086	0	A	@ICP-A01 U-A-01	SOLID	5.54e+02		8.80e+02	45.470	RPD
13	DUP	S96T001086	0	A	@ICP-A01 V-A-01	SOLID	<2.73e1		<3.02e1		RPD
13	DUP	S96T001086	0	A	@ICP-A01 ZN-A-01	SOLID	9.03e+01		1.38e+02	41.790	RPD
13	DUP	S96T001086	0	A	@ICP-A01 ZR-A-01	SOLID	1.81e+01		2.00e+01	9.970	RPD
13	DUP	S96T001086	0	A	@ICP-A01 TI-A-01	SOLID	1.43e+01		2.16e+01	40.670	RPD
14	SAMPLE	S96T001087	0	A	@ICP-A01 AG-A-01	SOLID	N/A		1.37e+01	5.180	ug/g

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

LABCORE Completed Worklist Report for Worklist# 7532

Seq	Type	Sample#	R	A	Test	Matrix	Actual		Found	DL or Yield	Unit
14	SAMPLE	S96T001087	0	A	@ICP-A01 AL-A-01	SOLID	N/A		7.56e+03	25.900	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 AS-A-01	SOLID	N/A	<	5.18e+01	51.800	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 B-A-01	SOLID	N/A		4.37e+01	25.900	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 BA-A-01	SOLID	N/A	<	2.59e+01	25.900	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 BE-A-01	SOLID	N/A	<	2.59e+00	2.590	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 BI-A-01	SOLID	N/A	<	5.18e+01	51.800	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 CA-A-01	SOLID	N/A		2.71e+02	51.800	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 CD-A-01	SOLID	N/A	<	2.59e+00	2.590	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 CE-A-01	SOLID	N/A	<	5.18e+01	51.800	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 CO-A-01	SOLID	N/A	<	1.04e+01	10.400	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 CR-A-01	SOLID	N/A		2.59e+03	5.180	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 CU-A-01	SOLID	N/A	<	5.18e+00	5.180	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 FE-A-01	SOLID	N/A		8.02e+02	25.900	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 K-A-01	SOLID	N/A		6.70e+02	259.000	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 LA-A-01	SOLID	N/A	<	2.59e+01	25.900	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 LI-A-01	SOLID	N/A		8.08e+00	5.180	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 MG-A-01	SOLID	N/A		6.09e+01	51.800	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 MN-A-01	SOLID	N/A		4.57e+02	5.180	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 MO-A-01	SOLID	N/A	<	2.59e+01	25.900	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 NA-A-01	SOLID	N/A		1.81e+05	51.800	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 ND-A-01	SOLID	N/A	<	5.18e+01	51.800	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 NI-A-01	SOLID	N/A		2.71e+01	10.400	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 P-A-01	SOLID	N/A		1.12e+04	104.000	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 PB-A-01	SOLID	N/A		6.51e+01	51.800	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 S-A-01	SOLID	N/A		4.61e+02	51.800	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 SB-A-01	SOLID	N/A	<	3.11e+01	31.100	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 SE-A-01	SOLID	N/A	<	5.18e+01	51.800	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 SI-A-01	SOLID	N/A		1.48e+02	25.900	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 SM-A-01	SOLID	N/A	<	5.18e+01	51.800	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 SR-A-01	SOLID	N/A	<	5.18e+00	5.180	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 TI-A-01	SOLID	N/A	<	5.18e+00	5.180	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 TL-A-01	SOLID	N/A	<	1.04e+02	104.000	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 U-A-01	SOLID	N/A	<	2.59e+02	259.000	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 V-A-01	SOLID	N/A	<	2.59e+01	25.900	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 ZN-A-01	SOLID	N/A		5.46e+01	5.180	ug/g
14	SAMPLE	S96T001087	0	A	@ICP-A01 ZR-A-01	SOLID	N/A	<	5.18e+00	5.180	ug/g
15	DUP	S96T001087	0	A	@ICP-A01 AG-A-01	SOLID	1.37e+01		1.26e+01	8.370	RPD
15	DUP	S96T001087	0	A	@ICP-A01 AL-A-01	SOLID	7.56e+03		7.28e+03	3.770	RPD
15	DUP	S96T001087	0	A	@ICP-A01 AS-A-01	SOLID	<5.18e1		<6.56e1		RPD
15	DUP	S96T001087	0	A	@ICP-A01 B-A-01	SOLID	4.37e+01		1.37e+02	103.270	RPD
15	DUP	S96T001087	0	A	@ICP-A01 BA-A-01	SOLID	<2.59e1		<3.28e1		RPD
15	DUP	S96T001087	0	A	@ICP-A01 BE-A-01	SOLID	<2.59e0		<3.28e0		RPD
15	DUP	S96T001087	0	A	@ICP-A01 BI-A-01	SOLID	<5.18e1		<6.56e1		RPD
15	DUP	S96T001087	0	A	@ICP-A01 CA-A-01	SOLID	2.71e+02		2.53e+02	6.870	RPD
15	DUP	S96T001087	0	A	@ICP-A01 CD-A-01	SOLID	<2.59e0		<3.28e0		RPD
15	DUP	S96T001087	0	A	@ICP-A01 CE-A-01	SOLID	<5.18e1		<6.56e1		RPD
15	DUP	S96T001087	0	A	@ICP-A01 CO-A-01	SOLID	<1.04e1		<1.31e1		RPD
15	DUP	S96T001087	0	A	@ICP-A01 CR-A-01	SOLID	2.59e+03		2.35e+03	9.720	RPD
15	DUP	S96T001087	0	A	@ICP-A01 CU-A-01	SOLID	<5.18e0		<6.56e0		RPD

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

LABCORE Completed Worklist Report for Worklist# 7532

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
15	DUP	S96T001087	0	A	@ICP-A01	FE-A-01	SOLID	8.02e+02		7.03e+02	13.160	RPD
15	DUP	S96T001087	0	A	@ICP-A01	K-A-01	SOLID	6.70e+02		5.30e+02	23.330	RPD
15	DUP	S96T001087	0	A	@ICP-A01	LA-A-01	SOLID	<2.59e1		<3.28e1		RPD
15	DUP	S96T001087	0	A	@ICP-A01	LI-A-01	SOLID	8.08e+00		8.17e+00	1.110	RPD
15	DUP	S96T001087	0	A	@ICP-A01	MG-A-01	SOLID	6.09e+01		<6.56e1		RPD
15	DUP	S96T001087	0	A	@ICP-A01	MN-A-01	SOLID	4.57e+02		4.04e+02	12.310	RPD
15	DUP	S96T001087	0	A	@ICP-A01	MO-A-01	SOLID	<2.59e1		<3.28e1		RPD
15	DUP	S96T001087	0	A	@ICP-A01	NA-A-01	SOLID	1.81e+05		1.80e+05	0.550	RPD
15	DUP	S96T001087	0	A	@ICP-A01	ND-A-01	SOLID	<5.18e1		<6.56e1		RPD
15	DUP	S96T001087	0	A	@ICP-A01	NI-A-01	SOLID	2.71e+01		2.75e+01	1.470	RPD
15	DUP	S96T001087	0	A	@ICP-A01	P-A-01	SOLID	1.12e+04		1.08e+04	3.640	RPD
15	DUP	S96T001087	0	A	@ICP-A01	PB-A-01	SOLID	6.51e+01		<6.56e1		RPD
15	DUP	S96T001087	0	A	@ICP-A01	S-A-01	SOLID	4.61e+02		4.16e+02	10.260	RPD
15	DUP	S96T001087	0	A	@ICP-A01	SB-A-01	SOLID	<3.11e1		<3.94e1		RPD
15	DUP	S96T001087	0	A	@ICP-A01	SE-A-01	SOLID	<5.18e1		<6.56e1		RPD
15	DUP	S96T001087	0	A	@ICP-A01	SI-A-01	SOLID	1.48e+02		1.33e+02	10.680	RPD
15	DUP	S96T001087	0	A	@ICP-A01	SM-A-01	SOLID	<5.18e1		<6.56e1		RPD
15	DUP	S96T001087	0	A	@ICP-A01	SR-A-01	SOLID	<5.18e0		<6.56e0		RPD
15	DUP	S96T001087	0	A	@ICP-A01	TL-A-01	SOLID	<1.04e2		<1.31e2		RPD
15	DUP	S96T001087	0	A	@ICP-A01	U-A-01	SOLID	<2.59e2		<3.28e2		RPD
15	DUP	S96T001087	0	A	@ICP-A01	V-A-01	SOLID	<2.59e1		<3.28e1		RPD
15	DUP	S96T001087	0	A	@ICP-A01	ZN-A-01	SOLID	5.46e+01		4.56e+01	17.960	RPD
15	DUP	S96T001087	0	A	@ICP-A01	ZR-A-01	SOLID	<5.18e0		<6.56e0		RPD
15	DUP	S96T001087	0	A	@ICP-A01	TI-A-01	SOLID	<5.18e0		<6.56e0		RPD
16	SAMPLE	S96T001088	0	A	@ICP-A01	AG-A-01	SOLID	N/A	<	1.81e+00	1.810	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	AL-A-01	SOLID	N/A		5.32e+03	9.060	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	AS-A-01	SOLID	N/A	<	1.81e+01	18.100	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	B-A-01	SOLID	N/A		2.49e+01	9.060	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	BA-A-01	SOLID	N/A	<	9.06e+00	9.060	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	BE-A-01	SOLID	N/A	<	9.06e-01	0.906	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	BI-A-01	SOLID	N/A	<	1.81e+01	18.100	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	CA-A-01	SOLID	N/A		1.10e+02	18.100	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	CD-A-01	SOLID	N/A	<	9.06e-01	0.906	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	CE-A-01	SOLID	N/A	<	1.81e+01	18.100	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	CO-A-01	SOLID	N/A	<	3.62e+00	3.620	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	CR-A-01	SOLID	N/A		4.65e+01	1.810	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	CU-A-01	SOLID	N/A		3.41e+00	1.810	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	FE-A-01	SOLID	N/A		1.21e+02	9.060	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	K-A-01	SOLID	N/A		1.73e+02	90.600	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	LA-A-01	SOLID	N/A	<	9.06e+00	9.060	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	LI-A-01	SOLID	N/A		1.83e+03	1.810	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	MG-A-01	SOLID	N/A	<	1.81e+01	18.100	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	MN-A-01	SOLID	N/A		2.10e+01	1.810	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	MO-A-01	SOLID	N/A	<	9.06e+00	9.060	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	NA-A-01	SOLID	N/A		1.32e+04	18.100	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	ND-A-01	SOLID	N/A	<	1.81e+01	18.100	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	NI-A-01	SOLID	N/A	<	3.62e+00	3.620	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	P-A-01	SOLID	N/A		2.26e+02	36.200	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	PB-A-01	SOLID	N/A	<	1.81e+01	18.100	ug/g

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

LABCORE Completed Worklist Report for Worklist# 7532

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
16	SAMPLE	S96T001088	0	A	@ICP-A01	S-A-01	SOLID	N/A		9.05e+01	18.100	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	SB-A-01	SOLID	N/A	<	1.09e+01	10.900	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	SE-A-01	SOLID	N/A	<	1.81e+01	18.100	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	SI-A-01	SOLID	N/A		1.25e+02	9.060	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	SM-A-01	SOLID	N/A	<	1.81e+01	18.100	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	SR-A-01	SOLID	N/A	<	1.81e+00	1.810	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	TI-A-01	SOLID	N/A	<	1.81e+00	1.810	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	TL-A-01	SOLID	N/A	<	3.62e+01	36.200	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	U-A-01	SOLID	N/A	<	9.06e+01	90.600	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	V-A-01	SOLID	N/A	<	9.06e+00	9.060	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	ZN-A-01	SOLID	N/A		1.20e+01	1.810	ug/g
16	SAMPLE	S96T001088	0	A	@ICP-A01	ZR-A-01	SOLID	N/A	<	1.81e+00	1.810	ug/g
17	DUP	S96T001088	0	A	@ICP-A01	AG-A-01	SOLID	<1.81e0		<1.90e0		RPD
17	DUP	S96T001088	0	A	@ICP-A01	AL-A-01	SOLID	5.32e+03		5.18e+03	2.670	RPD
17	DUP	S96T001088	0	A	@ICP-A01	AS-A-01	SOLID	<1.81e1		<1.90e1		RPD
17	DUP	S96T001088	0	A	@ICP-A01	B-A-01	SOLID	2.49e+01		9.12e+01	114.210	RPD
17	DUP	S96T001088	0	A	@ICP-A01	BA-A-01	SOLID	<9.06e0		<9.49e0		RPD
17	DUP	S96T001088	0	A	@ICP-A01	BE-A-01	SOLID	<9.06e-1		<9.49e-1		RPD
17	DUP	S96T001088	0	A	@ICP-A01	BI-A-01	SOLID	<1.81e1		<1.90e1		RPD
17	DUP	S96T001088	0	A	@ICP-A01	CA-A-01	SOLID	1.10e+02		1.23e+02	11.160	RPD
17	DUP	S96T001088	0	A	@ICP-A01	CD-A-01	SOLID	<9.06e-1		<9.49e-1		RPD
17	DUP	S96T001088	0	A	@ICP-A01	CE-A-01	SOLID	<1.81e1		<1.90e1		RPD
17	DUP	S96T001088	0	A	@ICP-A01	CO-A-01	SOLID	<3.62e0		<3.80e0		RPD
17	DUP	S96T001088	0	A	@ICP-A01	CR-A-01	SOLID	4.65e+01		4.70e+01	1.070	RPD
17	DUP	S96T001088	0	A	@ICP-A01	CU-A-01	SOLID	3.41e+00		5.71e+00	50.440	RPD
17	DUP	S96T001088	0	A	@ICP-A01	FE-A-01	SOLID	1.21e+02		1.16e+02	4.220	RPD
17	DUP	S96T001088	0	A	@ICP-A01	K-A-01	SOLID	1.73e+02		2.00e+02	14.480	RPD
17	DUP	S96T001088	0	A	@ICP-A01	LA-A-01	SOLID	<9.06e0		<9.49e0		RPD
17	DUP	S96T001088	0	A	@ICP-A01	LI-A-01	SOLID	1.83e+03		1.90e+03	3.750	RPD
17	DUP	S96T001088	0	A	@ICP-A01	MG-A-01	SOLID	<1.81e1		<1.90e1		RPD
17	DUP	S96T001088	0	A	@ICP-A01	MN-A-01	SOLID	2.10e+01		1.97e+01	6.390	RPD
17	DUP	S96T001088	0	A	@ICP-A01	MO-A-01	SOLID	<9.06e0		<9.49e0		RPD
17	DUP	S96T001088	0	A	@ICP-A01	NA-A-01	SOLID	1.32e+04		1.44e+04	8.700	RPD
17	DUP	S96T001088	0	A	@ICP-A01	ND-A-01	SOLID	<1.81e1		<1.90e1		RPD
17	DUP	S96T001088	0	A	@ICP-A01	NI-A-01	SOLID	<3.62e0		<3.80e0		RPD
17	DUP	S96T001088	0	A	@ICP-A01	P-A-01	SOLID	2.26e+02		2.28e+02	0.880	RPD
17	DUP	S96T001088	0	A	@ICP-A01	PB-A-01	SOLID	<1.81e1		<1.90e1		RPD
17	DUP	S96T001088	0	A	@ICP-A01	S-A-01	SOLID	9.05e+01		1.00e+02	9.970	RPD
17	DUP	S96T001088	0	A	@ICP-A01	SB-A-01	SOLID	<1.09e1		<1.14e1		RPD
17	DUP	S96T001088	0	A	@ICP-A01	SE-A-01	SOLID	<1.81e1		<1.90e1		RPD
17	DUP	S96T001088	0	A	@ICP-A01	SI-A-01	SOLID	1.25e+02		1.37e+02	9.160	RPD
17	DUP	S96T001088	0	A	@ICP-A01	SM-A-01	SOLID	<1.81e1		<1.90e1		RPD
17	DUP	S96T001088	0	A	@ICP-A01	SR-A-01	SOLID	<1.81e0		<1.90e0		RPD
17	DUP	S96T001088	0	A	@ICP-A01	TL-A-01	SOLID	<3.62e1		<3.80e1		RPD
17	DUP	S96T001088	0	A	@ICP-A01	U-A-01	SOLID	<9.06e1		<9.49e1		RPD
17	DUP	S96T001088	0	A	@ICP-A01	V-A-01	SOLID	<9.06e0		<9.49e0		RPD
17	DUP	S96T001088	0	A	@ICP-A01	ZN-A-01	SOLID	1.20e+01		1.36e+01	12.500	RPD
17	DUP	S96T001088	0	A	@ICP-A01	ZR-A-01	SOLID	<1.81e0		<1.90e0		RPD
17	DUP	S96T001088	0	A	@ICP-A01	TI-A-01	SOLID	<1.81e0		<1.90e0		RPD

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

LABCORE Completed Worklist Report for Worklist# 7532

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
18	CCV	0		●ICP-QC	AG	QC	5.0	4.94e+00	98.800	% Recovery
18	CCV	0		●ICP-QC	AL	QC	5.0	4.85e+00	97.000	% Recovery
18	CCV	0		●ICP-QC	AS	QC	5.0	5.10e+00	102.000	% Recovery
18	CCV	0		●ICP-QC	B	QC	5.0	4.95e+00	99.000	% Recovery
18	CCV	0		●ICP-QC	BA	QC	5.0	4.92e+00	98.400	% Recovery
18	CCV	0		●ICP-QC	BE	QC	5.0	5.09e+00	101.800	% Recovery
18	CCV	0		●ICP-QC	BI	QC	5.0	5.04e+00	100.800	% Recovery
18	CCV	0		●ICP-QC	CA	QC	5.0	5.08e+00	101.600	% Recovery
18	CCV	0		●ICP-QC	CD	QC	5.0	5.00e+00	100.000	% Recovery
18	CCV	0		●ICP-QC	CE	QC	5.0	5.07e+00	101.400	% Recovery
18	CCV	0		●ICP-QC	CO	QC	5.0	5.02e+00	100.400	% Recovery
18	CCV	0		●ICP-QC	CR	QC	5.0	5.05e+00	101.000	% Recovery
18	CCV	0		●ICP-QC	CU	QC	5.0	5.08e+00	101.600	% Recovery
18	CCV	0		●ICP-QC	FE	QC	5.0	5.01e+00	100.200	% Recovery
18	CCV	0		●ICP-QC	K	QC	5.0	4.90e+00	98.000	% Recovery
18	CCV	0		●ICP-QC	LA	QC	5.0	4.98e+00	99.600	% Recovery
18	CCV	0		●ICP-QC	LI	QC	5.0	4.96e+00	99.200	% Recovery
18	CCV	0		●ICP-QC	MG	QC	5.0	4.84e+00	96.800	% Recovery
18	CCV	0		●ICP-QC	MN	QC	5.0	4.90e+00	98.000	% Recovery
18	CCV	0		●ICP-QC	MO	QC	5.0	5.00e+00	100.000	% Recovery
18	CCV	0		●ICP-QC	NA	QC	5.0	4.93e+00	98.600	% Recovery
18	CCV	0		●ICP-QC	ND	QC	5.0	5.02e+00	100.400	% Recovery
18	CCV	0		●ICP-QC	NI	QC	5.0	4.96e+00	99.200	% Recovery
18	CCV	0		●ICP-QC	P	QC	5.0	4.95e+00	99.000	% Recovery
18	CCV	0		●ICP-QC	PB	QC	5.0	4.99e+00	99.800	% Recovery
18	CCV	0		●ICP-QC	S	QC	5.0	4.91e+00	98.200	% Recovery
18	CCV	0		●ICP-QC	SB	QC	5.0	4.73e+00	94.600	% Recovery
18	CCV	0		●ICP-QC	SE	QC	5.0	4.85e+00	97.000	% Recovery
18	CCV	0		●ICP-QC	SI	QC	5.0	4.78e+00	95.600	% Recovery
18	CCV	0		●ICP-QC	SM	QC	5.0	4.86e+00	97.200	% Recovery
18	CCV	0		●ICP-QC	SR	QC	5.0	4.89e+00	97.800	% Recovery
18	CCV	0		●ICP-QC	TI	QC	5.0	4.83e+00	96.600	% Recovery
18	CCV	0		●ICP-QC	TL	QC	5.0	4.87e+00	97.400	% Recovery
18	CCV	0		●ICP-QC	U	QC	10.	9.54e+00	95.400	% Recovery
18	CCV	0		●ICP-QC	V	QC	5.0	5.00e+00	100.000	% Recovery
18	CCV	0		●ICP-QC	ZN	QC	5.0	5.03e+00	100.600	% Recovery
18	CCV	0		●ICP-QC	ZR	QC	5.0	4.88e+00	97.600	% Recovery
19	CCB	0		●ICP-QC	AG	QC	1	<1.00e-2		ug/g
19	CCB	0		●ICP-QC	AL	QC	1	<5.00e-2		ug/g
19	CCB	0		●ICP-QC	AS	QC	1	<1.00e-1		ug/g
19	CCB	0		●ICP-QC	B	QC	1	<5.00e-2		ug/g
19	CCB	0		●ICP-QC	BA	QC	1	<5.00e-2		ug/g
19	CCB	0		●ICP-QC	BE	QC	1	<5.00e-3		ug/g
19	CCB	0		●ICP-QC	BI	QC	1	<1.00e-1		ug/g
19	CCB	0		●ICP-QC	CA	QC	1	<1.00e-1		ug/g
19	CCB	0		●ICP-QC	CD	QC	1	<5.00e-3		ug/g
19	CCB	0		●ICP-QC	CE	QC	1	<1.00e-1		ug/g
19	CCB	0		●ICP-QC	CO	QC	1	<2.00e-2		ug/g
19	CCB	0		●ICP-QC	CR	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# 7532

Seq	Type	Sample#	R	A		Test	Matrix	Actual		Found	DL or Yield	Unit
19	CCB		0		@ICP-QC	CU	QC	1		<1.00e-2		ug/g
19	CCB		0		@ICP-QC	FE	QC	1		<5.00e-2		ug/g
19	CCB		0		@ICP-QC	K	QC	1		<5.00e-1		ug/g
19	CCB		0		@ICP-QC	LA	QC	1		<5.00e-2		ug/g
19	CCB		0		@ICP-QC	LI	QC	1		<1.00e-2		ug/g
19	CCB		0		@ICP-QC	MG	QC	1		<1.00e-1		ug/g
19	CCB		0		@ICP-QC	MN	QC	1		<1.00e-2		ug/g
19	CCB		0		@ICP-QC	MO	QC	1		<5.00e-2		ug/g
19	CCB		0		@ICP-QC	NA	QC	1		<1.00e-1		ug/g
19	CCB		0		@ICP-QC	ND	QC	1		<1.00e-1		ug/g
19	CCB		0		@ICP-QC	NI	QC	1		<2.00e-2		ug/g
19	CCB		0		@ICP-QC	P	QC	1		<2.00e-1		ug/g
19	CCB		0		@ICP-QC	PB	QC	1		<1.00e-1		ug/g
19	CCB		0		@ICP-QC	S	QC	1		<1.00e-1		ug/g
19	CCB		0		@ICP-QC	SB	QC	1		<6.00e-2		ug/g
19	CCB		0		@ICP-QC	SE	QC	1		<1.00e-1		ug/g
19	CCB		0		@ICP-QC	SI	QC	1		<5.00e-2		ug/g
19	CCB		0		@ICP-QC	SM	QC	1		<1.00e-1		ug/g
19	CCB		0		@ICP-QC	SR	QC	1		<1.00e-2		ug/g
19	CCB		0		@ICP-QC	TI	QC	1		<1.00e-2		ug/g
19	CCB		0		@ICP-QC	TL	QC	1		<2.00e-1		ug/g
19	CCB		0		@ICP-QC	U	QC	1		<5.00e-1		ug/g
19	CCB		0		@ICP-QC	V	QC	1		<5.00e-2		ug/g
19	CCB		0		@ICP-QC	ZN	QC	1		<1.00e-2		ug/g
19	CCB		0		@ICP-QC	ZR	QC	1		<1.00e-2		ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	AG-A-01	SOLID	N/A		1.47e+01	6.450	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	AL-A-01	SOLID	N/A		8.80e+03	32.300	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	AS-A-01	SOLID	N/A	<	6.45e+01	64.500	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	B-A-01	SOLID	N/A		5.09e+01	32.300	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	BA-A-01	SOLID	N/A	<	3.23e+01	32.300	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	BE-A-01	SOLID	N/A	<	3.23e+00	3.230	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	BI-A-01	SOLID	N/A		6.76e+01	64.500	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	CA-A-01	SOLID	N/A		3.27e+02	64.500	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	CD-A-01	SOLID	N/A		5.70e+00	3.230	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	CE-A-01	SOLID	N/A	<	6.45e+01	64.500	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	CO-A-01	SOLID	N/A	<	1.29e+01	12.900	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	CR-A-01	SOLID	N/A		3.68e+03	6.450	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	CU-A-01	SOLID	N/A		8.89e+00	6.450	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	FE-A-01	SOLID	N/A		1.45e+03	32.300	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	K-A-01	SOLID	N/A		5.45e+02	323.000	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	LA-A-01	SOLID	N/A	<	3.23e+01	32.300	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	LI-A-01	SOLID	N/A	<	6.45e+00	6.450	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	MG-A-01	SOLID	N/A		7.57e+01	64.500	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	MN-A-01	SOLID	N/A		4.84e+02	6.450	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	MO-A-01	SOLID	N/A	<	3.23e+01	32.300	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	NA-A-01	SOLID	N/A		1.92e+05	64.500	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	ND-A-01	SOLID	N/A	<	6.45e+01	64.500	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	NI-A-01	SOLID	N/A		3.28e+01	12.900	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	P-A-01	SOLID	N/A		5.73e+03	129.000	ug/g

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

LABCORE Completed Worklist Report for Worklist# 7532

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
20	SAMPLE	S96T001130	0	A	@ICP-A01	PB-A-01	SOLID	N/A		9.49e+01	64.500	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	S-A-01	SOLID	N/A		1.01e+03	64.500	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	SB-A-01	SOLID	N/A	<	3.87e+01	38.700	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	SE-A-01	SOLID	N/A	<	6.45e+01	64.500	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	SI-A-01	SOLID	N/A		1.49e+02	32.300	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	SM-A-01	SOLID	N/A	<	6.45e+01	64.500	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	SR-A-01	SOLID	N/A	<	6.45e+00	6.450	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	TI-A-01	SOLID	N/A	<	6.45e+00	6.450	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	TL-A-01	SOLID	N/A	<	1.29e+02	129.000	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	U-A-01	SOLID	N/A	<	3.23e+02	323.000	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	V-A-01	SOLID	N/A	<	3.23e+01	32.300	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	ZN-A-01	SOLID	N/A		3.76e+01	6.450	ug/g
20	SAMPLE	S96T001130	0	A	@ICP-A01	ZR-A-01	SOLID	N/A		7.04e+00	6.450	ug/g
21	DUP	S96T001130	0	A	@ICP-A01	AG-A-01	SOLID	1.47e+01		1.47e+01	0.000	RPD
21	DUP	S96T001130	0	A	@ICP-A01	AL-A-01	SOLID	8.80e+03		1.05e+04	17.620	RPD
21	DUP	S96T001130	0	A	@ICP-A01	AS-A-01	SOLID	<6.45e1		<6.61e1		RPD
21	DUP	S96T001130	0	A	@ICP-A01	B-A-01	SOLID	5.09e+01		9.41e+01	59.590	RPD
21	DUP	S96T001130	0	A	@ICP-A01	BA-A-01	SOLID	<3.23e1		<3.30e1		RPD
21	DUP	S96T001130	0	A	@ICP-A01	BE-A-01	SOLID	<3.23e0		<3.30e0		RPD
21	DUP	S96T001130	0	A	@ICP-A01	BI-A-01	SOLID	6.76e+01		<6.61e1		RPD
21	DUP	S96T001130	0	A	@ICP-A01	CA-A-01	SOLID	3.27e+02		2.85e+02	13.730	RPD
21	DUP	S96T001130	0	A	@ICP-A01	CD-A-01	SOLID	5.70e+00		3.60e+00	45.160	RPD
21	DUP	S96T001130	0	A	@ICP-A01	CE-A-01	SOLID	<6.45e1		<6.61e1		RPD
21	DUP	S96T001130	0	A	@ICP-A01	CO-A-01	SOLID	<1.29e1		<1.32e1		RPD
21	DUP	S96T001130	0	A	@ICP-A01	CR-A-01	SOLID	3.68e+03		3.80e+03	3.210	RPD
21	DUP	S96T001130	0	A	@ICP-A01	CU-A-01	SOLID	8.89e+00		9.55e+00	7.160	RPD
21	DUP	S96T001130	0	A	@ICP-A01	FE-A-01	SOLID	1.45e+03		1.49e+03	2.720	RPD
21	DUP	S96T001130	0	A	@ICP-A01	K-A-01	SOLID	5.45e+02		6.38e+02	15.720	RPD
21	DUP	S96T001130	0	A	@ICP-A01	LA-A-01	SOLID	<3.23e1		<3.30e1		RPD
21	DUP	S96T001130	0	A	@ICP-A01	LI-A-01	SOLID	<6.45e0		<6.61e0		RPD
21	DUP	S96T001130	0	A	@ICP-A01	MG-A-01	SOLID	7.57e+01		8.14e+01	7.260	RPD
21	DUP	S96T001130	0	A	@ICP-A01	MN-A-01	SOLID	4.84e+02		5.00e+02	3.250	RPD
21	DUP	S96T001130	0	A	@ICP-A01	MO-A-01	SOLID	<3.23e1		<3.30e1		RPD
21	DUP	S96T001130	0	A	@ICP-A01	NA-A-01	SOLID	1.92e+05		2.02e+05	5.080	RPD
21	DUP	S96T001130	0	A	@ICP-A01	ND-A-01	SOLID	<6.45e1		<6.61e1		RPD
21	DUP	S96T001130	0	A	@ICP-A01	NI-A-01	SOLID	3.28e+01		3.72e+01	12.570	RPD
21	DUP	S96T001130	0	A	@ICP-A01	P-A-01	SOLID	5.73e+03		5.32e+03	7.420	RPD
21	DUP	S96T001130	0	A	@ICP-A01	PB-A-01	SOLID	9.49e+01		1.05e+02	10.110	RPD
21	DUP	S96T001130	0	A	@ICP-A01	S-A-01	SOLID	1.01e+03		1.04e+03	2.930	RPD
21	DUP	S96T001130	0	A	@ICP-A01	SB-A-01	SOLID	<3.87e1		<3.96e1		RPD
21	DUP	S96T001130	0	A	@ICP-A01	SE-A-01	SOLID	<6.45e1		<6.61e1		RPD
21	DUP	S96T001130	0	A	@ICP-A01	SI-A-01	SOLID	1.49e+02		1.42e+02	4.810	RPD
21	DUP	S96T001130	0	A	@ICP-A01	SM-A-01	SOLID	<6.45e1		<6.61e1		RPD
21	DUP	S96T001130	0	A	@ICP-A01	SR-A-01	SOLID	<6.45e0		<6.61e0		RPD
21	DUP	S96T001130	0	A	@ICP-A01	TL-A-01	SOLID	<1.29e2		<1.32e2		RPD
21	DUP	S96T001130	0	A	@ICP-A01	U-A-01	SOLID	<3.23e2		<3.30e2		RPD
21	DUP	S96T001130	0	A	@ICP-A01	V-A-01	SOLID	<3.23e1		<3.30e1		RPD
21	DUP	S96T001130	0	A	@ICP-A01	ZN-A-01	SOLID	3.76e+01		3.67e+01	2.420	RPD
21	DUP	S96T001130	0	A	@ICP-A01	ZR-A-01	SOLID	7.04e+00		7.50e+00	6.330	RPD

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

LABCORE Completed Worklist Report for Worklist# 7532

Seq	Type	Sample#	R	A		Test	Matrix	Actual	Found	DL or Yield	Unit
21	DUP	S96T001130	0	A	●ICP-A01	TI-A-01	SOLID	<6.45e0	<6.61e0		RPD
22	ICSA		0		●ICP-QC	AG	QC	1	<1.00e-2		ug/g
22	ICSA		0		●ICP-QC	AL	QC	250	2.38e+02	95.200	% 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	2.49e+02	99.600	% 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	<1.00e-2		ug/g
22	ICSA		0		●ICP-QC	CU	QC	1	<1.00e-2		ug/g
22	ICSA		0		●ICP-QC	FE	QC	100	9.32e+01	93.200	% 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	2.40e+02	96.000	% 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	9.67e-01	96.700	% Recovery
23	ICSAB		0		●ICP-QC	AL	QC	250	2.34e+02	93.600	% 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	4.77e-01	95.400	% Recovery
23	ICSAB		0		●ICP-QC	BE	QC	0.5	4.76e-01	95.200	% Recovery
23	ICSAB		0		●ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
23	ICSAB		0		●ICP-QC	CA	QC	250	2.47e+02	98.800	% Recovery
23	ICSAB		0		●ICP-QC	CD	QC	1.0	9.49e-01	94.900	% Recovery
23	ICSAB		0		●ICP-QC	CE	QC	1.0	<1.00e-1		ug/g
23	ICSAB		0		●ICP-QC	CO	QC	0.5	4.68e-01	93.600	% Recovery

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

LABCORE Completed Worklist Report for Worklist# 7532

Seq	Type	Sample#	R	A		Test	Matrix	Actual	Found	DL or Yield	Unit
23	ICSAB		0		@ICP-QC	CR	QC	0.5	4.78e-01	95.600	% Recovery
23	ICSAB		0		@ICP-QC	CU	QC	0.5	4.79e-01	95.800	% Recovery
23	ICSAB		0		@ICP-QC	FE	QC	100	9.15e+01	91.500	% 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	9.71e-01	97.100	% Recovery
23	ICSAB		0		@ICP-QC	MG	QC	250	2.38e+02	95.200	% Recovery
23	ICSAB		0		@ICP-QC	MN	QC	0.5	4.48e-01	89.600	% Recovery
23	ICSAB		0		@ICP-QC	MO	QC	1.0	<5.00e-2		ug/g
23	ICSAB		0		@ICP-QC	NA	QC	200	1.93e+02	96.500	% Recovery
23	ICSAB		0		@ICP-QC	ND	QC	1.0	<1.00e-1		ug/g
23	ICSAB		0		@ICP-QC	NI	QC	1.0	9.21e-01	92.100	% Recovery
23	ICSAB		0		@ICP-QC	P	QC	1.0	<2.00e-1		ug/g
23	ICSAB		0		@ICP-QC	PB	QC	1.0	1.03e+00	103.000	% 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	4.68e-01	93.600	% Recovery
23	ICSAB		0		@ICP-QC	ZN	QC	1.0	9.66e-01	96.600	% Recovery
23	ICSAB		0		@ICP-QC	ZR	QC	1.0	<1.00e-2		ug/g
24	CCV		0		@ICP-QC	AG	QC	5.0	4.95e+00	99.000	% 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	5.14e+00	102.800	% Recovery
24	CCV		0		@ICP-QC	B	QC	5.0	4.96e+00	99.200	% Recovery
24	CCV		0		@ICP-QC	BA	QC	5.0	4.93e+00	98.600	% Recovery
24	CCV		0		@ICP-QC	BE	QC	5.0	5.10e+00	102.000	% Recovery
24	CCV		0		@ICP-QC	BI	QC	5.0	4.94e+00	98.800	% Recovery
24	CCV		0		@ICP-QC	CA	QC	5.0	5.10e+00	102.000	% Recovery
24	CCV		0		@ICP-QC	CD	QC	5.0	5.00e+00	100.000	% Recovery
24	CCV		0		@ICP-QC	CE	QC	5.0	5.07e+00	101.400	% Recovery
24	CCV		0		@ICP-QC	CO	QC	5.0	5.02e+00	100.400	% Recovery
24	CCV		0		@ICP-QC	CR	QC	5.0	5.06e+00	101.200	% Recovery
24	CCV		0		@ICP-QC	CU	QC	5.0	5.10e+00	102.000	% Recovery
24	CCV		0		@ICP-QC	FE	QC	5.0	5.00e+00	100.000	% Recovery
24	CCV		0		@ICP-QC	K	QC	5.0	4.86e+00	97.200	% Recovery
24	CCV		0		@ICP-QC	LA	QC	5.0	4.99e+00	99.800	% Recovery
24	CCV		0		@ICP-QC	LI	QC	5.0	4.98e+00	99.600	% Recovery
24	CCV		0		@ICP-QC	MG	QC	5.0	4.83e+00	96.600	% Recovery
24	CCV		0		@ICP-QC	MN	QC	5.0	4.91e+00	98.200	% Recovery
24	CCV		0		@ICP-QC	MO	QC	5.0	5.01e+00	100.200	% Recovery
24	CCV		0		@ICP-QC	NA	QC	5.0	4.92e+00	98.400	% Recovery
24	CCV		0		@ICP-QC	ND	QC	5.0	5.04e+00	100.800	% Recovery
24	CCV		0		@ICP-QC	NI	QC	5.0	4.99e+00	99.800	% Recovery

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

LABCORE Completed Worklist Report for Worklist# 7532

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
24	CCV	0		@ICP-QC	P	QC	5.0	4.94e+00	98.800	% Recovery
24	CCV	0		@ICP-QC	PB	QC	5.0	4.99e+00	99.800	% 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	4.74e+00	94.800	% Recovery
24	CCV	0		@ICP-QC	SE	QC	5.0	4.90e+00	98.000	% Recovery
24	CCV	0		@ICP-QC	SI	QC	5.0	4.75e+00	95.000	% Recovery
24	CCV	0		@ICP-QC	SM	QC	5.0	4.87e+00	97.400	% Recovery
24	CCV	0		@ICP-QC	SR	QC	5.0	4.90e+00	98.000	% Recovery
24	CCV	0		@ICP-QC	TI	QC	5.0	4.83e+00	96.600	% Recovery
24	CCV	0		@ICP-QC	TL	QC	5.0	4.84e+00	96.800	% Recovery
24	CCV	0		@ICP-QC	U	QC	10.	9.56e+00	95.600	% Recovery
24	CCV	0		@ICP-QC	V	QC	5.0	5.00e+00	100.000	% 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	4.89e+00	97.800	% 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# 7532

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

Final page for worklist# 7532

Analyst Signature Date

Analyst Signature Date

Reviewer Signature Date 4/12/96

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

Analysis Report Summary Thu 04-11-96 07:49:23 PM page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	ICV	960411C	ICP2	04/11/96	18:06	DKS	Q	CONC
2	ICB	960411C	ICP2	04/11/96	18:09	DKS	Q	CONC
3	ICSA	960411C	ICP2	04/11/96	18:11	DKS	Q	CONC
4	ICSAB	960411C	ICP2	04/11/96	18:14	DKS	Q	CONC
5	PREPSTDTJA	960411C	ICP2	04/11/96	18:19	DKS	S	CONC
6	PREPBLKTJA	960411C	ICP2	04/11/96	18:23	DKS	S	CONC
7	S96T001085_L	960411C	ICP2	04/11/96	18:27	DKS	S	CONC
8	S96T001085	960411C	ICP2	04/11/96	18:30	DKS	S	CONC
9	S96T001085_D	960411C	ICP2	04/11/96	18:33	DKS	S	CONC
10	S96T001085_S	960411C	ICP2	04/11/96	18:36	DKS	S	CONC
11	CCV	960411C	ICP2	04/11/96	18:40	DKS	Q	CONC
12	CCB	960411C	ICP2	04/11/96	18:44	DKS	Q	CONC
13	S96T001086_L	960411C	ICP2	04/11/96	18:47	DKS	S	CONC
14	S96T001086	960411C	ICP2	04/11/96	18:50	DKS	S	CONC
15	S96T001086_D	960411C	ICP2	04/11/96	18:53	DKS	S	CONC
16	S96T001087_L	960411C	ICP2	04/11/96	18:57	DKS	S	CONC
17	S96T001087	960411C	ICP2	04/11/96	19:00	DKS	S	CONC
18	S96T001087_D	960411C	ICP2	04/11/96	19:03	DKS	S	CONC
19	S96T001088_L	960411C	ICP2	04/11/96	19:07	DKS	S	CONC
20	S96T001088	960411C	ICP2	04/11/96	19:10	DKS	S	CONC
21	S96T001088_D	960411C	ICP2	04/11/96	19:13	DKS	S	CONC
22	CCV_1	960411C	ICP2	04/11/96	19:17	DKS	Q	CONC
23	CCB_1	960411C	ICP2	04/11/96	19:20	DKS	Q	CONC
24	S96T001130_L	960411C	ICP2	04/11/96	19:24	DKS	S	CONC
25	S96T001130	960411C	ICP2	04/11/96	19:27	DKS	S	CONC
26	S96T001130_D	960411C	ICP2	04/11/96	19:30	DKS	S	CONC
27	ICSA	960411C	ICP2	04/11/96	19:36	DKS	Q	CONC
28	ICSAB	960411C	ICP2	04/11/96	19:39	DKS	Q	CONC
29	CCV_2	960411C	ICP2	04/11/96	19:42	DKS	Q	CONC
30	CCB_2	960411C	ICP2	04/11/96	19:46	DKS	Q	CONC

DK Lab
04-11-96
4-107 S96T001085 Worklist # 7532
S96T001086
S96T001087
S96T001088
S96T001130

SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 588 TO 593

Analysis Report Averages Thu 04-11-96 07:49:23 PM page 2

#	Sample Name	Ag	Al	As	B	Ba	Be
1	ICV	4.933	4.839	5.101	4.935	4.923	5.093
2	ICB	-.0004	-.0011	-.0016	.0022	.0002	.0001
3	ICSA	.0025	237.4	-.0535	.0055	.0030	.0004
4	ICSAB	.9792	239.9	-.0617	.0065	.4906	.4831
5	PREPSTDTJA	.9449	4.768	4.880	5.189	4.784	5.358
6	PREPBLKTJA	-.0016	.1432	.0115	.6372	.0004	.0001
7	S96T001085_L	.0447	75.83	-.1448	.1780	.0455	.0028
8	S96T001085	.0663	73.02	-.0750	.1738	.0435	.0016
9	S96T001085_D	.0740	112.6	-.1183	.7791	.0473	.0018
10	S96T001085_S	.9798	115.1	4.610	4.723	4.580	4.634
11	CCV	4.956	4.860	5.122	4.920	4.951	5.097
12	CCB	-.0007	.0039	.0108	.0048	.0000	.0001
13	S96T001086_L	.0838	65.15	-.2998	.2238	.0797	.0033
14	S96T001086	.0912	63.84	-.0658	.1868	.0791	.0017
15	S96T001086_D	.0896	104.7	-.1060	.3207	.1191	.0022
16	S96T001087_L	.0598	44.96	-.1620	.2518	.0155	.0023
17	S96T001087	.0792	43.75	-.0454	.2530	.0158	.0011
18	S96T001087_D	.0576	33.25	.0163	.6245	.0109	.0010
19	S96T001088_L	.0005	29.76	-.0033	.1536	.0036	.0009
20	S96T001088	.0051	29.37	-.0152	.1374	.0038	.0003
21	S96T001088_D	.0044	27.29	-.0178	.4801	.0038	.0002
22	CCV_1	4.942	4.847	5.096	4.953	4.916	5.093
23	CCB_1	.0003	.0009	.0010	.0053	.0002	.0001
24	S96T001130_L	.0517	41.60	.0419	.2984	.0195	.0023
25	S96T001130	.0685	40.91	-.0707	.2366	.0200	.0007
26	S96T001130_D	.0666	47.70	-.0762	.4273	.0200	.0007
27	ICSA	.0008	237.6	-.0562	.0030	.0029	.0005
28	ICSAB	.9674	234.5	-.0555	.0037	.4767	.4759
29	CCV_2	4.950	4.854	5.138	4.964	4.930	5.097
30	CCB_2	.0006	.0014	.0043	.0061	.0001	.0001

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
1	ICV	5.051	5.038	5.010	5.078	5.023	5.060
2	ICB	.0113	-.0029	-.0006	-.0083	.0004	.0003
3	ICSA	-.0105	246.9	.0012	.0031	.0008	-.0003
4	ICSAB	-.0187	251.8	.9653	.0049	.4773	.4855
5	PREPSTDTJA	4.771	4.879	4.734	5.008	4.840	4.762
6	PREPBLKTJA	-.0277	.2867	-.0011	-.0171	-.0015	.0104
7	S96T001085_L	.6770	2.507	.0354	-.1047	.0159	42.91
8	S96T001085	.5446	2.452	.0455	.0386	.0204	40.99
9	S96T001085_D	.6271	2.426	.0443	.0400	.0155	45.32
10	S96T001085_S	5.189	6.935	4.611	4.791	4.651	48.43
11	CCV	5.021	5.142	5.042	5.117	5.056	5.090
12	CCB	.0008	-.0036	-.0015	-.0106	-.0017	.0002
13	S96T001086_L	1.302	2.132	.0408	-.0985	.0054	44.88
14	S96T001086	1.396	2.124	.0514	.0289	.0224	44.18
15	S96T001086_D	1.885	3.321	.0823	.0824	.0225	69.90
16	S96T001087_L	.3799	1.543	.0064	-.1528	-.0226	15.30
17	S96T001087	.1575	1.566	.0143	.0165	.0081	14.99
18	S96T001087_D	.1854	1.157	.0090	-.0063	.0078	10.75
19	S96T001088_L	.1720	.6121	.0008	-.0273	.0071	.2642

Analysis Report Averages Thu 04-11-96 07:49:23 PM page 3

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
20	S96T001088	.0590	.6051	.0028	-.0036	-.0010	.2565
21	S96T001088_D	.0724	.6484	-.0003	-.0091	-.0004	.2477
22	CCV_1	5.042	5.077	4.999	5.065	5.017	5.054
23	CCB_1	-.0089	-.0014	-.0003	-.0063	-.0021	-.0001
24	S96T001130_L	-.1893	1.539	.0118	-.1065	-.0176	17.44
25	S96T001130	.3141	1.522	.0265	-.0194	.0077	17.11
26	S96T001130_D	.2758	1.297	.0163	-.0005	.0070	17.27
27	ICSA	-.0188	249.4	-.0004	.0064	-.0003	.0004
28	ICSAB	.0140	246.9	.9492	.0181	.4678	.4777
29	CCV_2	4.938	5.098	5.003	5.075	5.021	5.058
30	CCB_2	.0090	-.0027	-.0005	-.0047	.0020	.0004

#	Sample Name	Cu	Eu	Fe	K	La	Li
1	ICV	5.086	-.0030	5.016	4.927	4.991	4.953
2	ICB	.0012	.0001	.0002	-.3125	-.0000	.0002
3	ICSA	-.0106	-.0419	92.79	-.1207	-.0057	.0034
4	ICSAB	.4905	-.0439	93.28	-.1318	-.0051	.9850
5	PREPSTDTJA	4.722	-.0034	4.751	4.765	4.873	4.775
6	PREPBLKTJA	.0277	-.0012	.0714	-.3244	-.0018	-.0006
7	S96T001085_L	.0620	-.0031	18.45	1.947	.0592	.2794
8	S96T001085	.0603	-.0000	17.58	3.912	.0720	.2732
9	S96T001085_D	.0651	.0000	19.04	4.214	.0783	.2787
10	S96T001085_S	4.519	-.0033	23.60	8.404	4.750	4.805
11	CCV	5.074	-.0025	5.037	5.020	5.008	4.920
12	CCB	.0002	.0001	-.0003	-.2519	-.0011	.0006
13	S96T001086_L	.1537	-.0084	35.04	-2.613	.0674	.0872
14	S96T001086	.1550	-.0019	34.34	3.256	.0739	.0942
15	S96T001086_D	.1884	-.0031	50.78	4.345	.1158	.1762
16	S96T001087_L	.0189	.0012	4.747	-1.001	.0388	.0524
17	S96T001087	.0237	.0002	4.644	3.877	.0468	.0468
18	S96T001087_D	.0170	.0005	3.213	2.424	.0285	.0374
19	S96T001088_L	.0194	.0019	.6791	1.302	.0025	10.06
20	S96T001088	.0188	-.0005	.6677	.9564	.0038	10.12
21	S96T001088_D	.0301	-.0005	.6130	1.052	.0023	9.988
22	CCV_1	5.084	-.0027	5.013	4.897	4.978	4.962
23	CCB_1	.0000	-.0000	.0000	-.3373	.0000	.0003
24	S96T001130_L	.0532	-.0067	6.880	-2.692	.0015	.0314
25	S96T001130	.0413	-.0013	6.761	2.533	.0194	.0293
26	S96T001130_D	.0434	-.0020	6.748	2.896	.0230	.0290
27	ICSA	-.0113	-.0447	93.24	-.2091	-.0058	.0040
28	ICSAB	.4794	-.0431	91.51	-.1193	-.0041	.9713
29	CCV_2	5.096	-.0024	5.003	4.861	4.989	4.982
30	CCB_2	.0005	.0002	-.0001	-.1776	.0006	.0005

#	Sample Name	Mg	Mn	Mo	Na	Nd	Ni
1	ICV	4.817	4.906	5.010	4.925	5.049	4.966
2	ICB	-.0010	.0002	.0032	-.0009	.0012	-.0013
3	ICSA	239.9	-.0067	-.0118	197.6	.0038	-.0105
4	ICSAB	241.5	.4569	-.0119	198.4	.0033	.9239
5	PREPSTDTJA	4.541	4.654	4.748	5.692	4.821	4.818

Analysis Report Averages Thu 04-11-96 07:49:23 PM page 4

#	Sample Name	Mg	Mn	Mo	Na	Nd	Ni
6	PREPBLKTJA	.0145	.0024	.0016	1.192	-.0043	-.0002
7	S96T001085_L	.8664	11.92	.1463	864.9	.1042	.3449
8	S96T001085	.7981	11.55	.1357	830.0	.1153	.3587
9	S96T001085_D	.8352	12.29	.1459	932.8	.1268	.4408
10	S96T001085_S	5.068	17.01	4.651	917.5	4.726	5.019
11	CCV	4.826	4.954	5.030	4.888	5.054	4.993
12	CCB	-.0023	.0001	.0031	.0031	.0003	.0010
13	S96T001086_L	1.490	6.791	.0936	982.6	.0746	.3280
14	S96T001086	1.497	6.730	.1166	956.4	.1138	.3657
15	S96T001086_D	2.224	10.50	.1900	767.5	.1826	.5672
16	S96T001087_L	.3421	2.709	.1194	1081.	.0353	.0585
17	S96T001087	.3525	2.645	.1363	1050.	.0650	.1567
18	S96T001087_D	.2715	1.846	.0993	823.4	.0384	.1259
19	S96T001088_L	.0482	.1210	.0510	73.04	-.0043	-.0078
20	S96T001088	.0641	.1160	.0399	72.87	-.0016	.0127
21	S96T001088_D	.0810	.1038	.0396	75.69	.0005	.0126
22	CCV_1	4.837	4.904	5.000	4.926	5.023	4.961
23	CCB_1	-.0034	.0000	.0018	-.0018	-.0007	-.0036
24	S96T001130_L	.2895	2.291	.1143	909.7	-.0337	.1072
25	S96T001130	.3521	2.249	.1032	891.5	.0374	.1524
26	S96T001130_D	.3697	2.273	.1041	916.9	.0339	.1691
27	ICSA	240.5	-.0066	-.0116	196.9	.0023	-.0099
28	ICSAB	238.1	.4485	-.0136	193.0	.0025	.9214
29	CCV_2	4.826	4.906	5.006	4.916	5.040	4.991
30	CCB_2	-.0046	.0000	-.0005	-.0004	-.0002	-.0038

#	Sample Name	P	Pb	S	Sb	Se	Si
1	ICV	4.997	4.980	4.887	4.762	4.915	4.722
2	ICB	-.0037	.0158	-.0203	-.0014	.0144	.0030
3	ICSA	.0258	.0439	.0077	-.0030	-.0600	.0097
4	ICSAB	.0233	1.050	.0177	.0008	-.0480	.0070
5	PREPSTDTJA	4.843	4.629	4.700	4.828	4.577	6.910
6	PREPBLKTJA	.0146	.0251	.0726	-.0040	.0092	.6498
7	S96T001085_L	86.24	1.649	2.453	.0995	.1866	1.617
8	S96T001085	83.51	1.303	2.632	.0225	.0367	1.541
9	S96T001085_D	85.31	1.437	2.792	.0307	.0174	2.123
10	S96T001085_S	81.25	5.869	7.366	4.602	4.337	3.509
11	CCV	4.948	5.044	4.912	4.765	4.909	4.756
12	CCB	-.0105	.0165	-.0193	.0005	.0169	.0075
13	S96T001086_L	70.25	2.131	1.512	.0248	.1289	1.410
14	S96T001086	69.82	1.917	1.531	.0117	.0129	1.365
15	S96T001086_D	123.1	2.801	2.430	.0118	-.0010	1.975
16	S96T001087_L	64.52	.6325	2.471	-.0237	.1995	.9544
17	S96T001087	64.90	.3767	2.667	.0066	.0295	.8586
18	S96T001087_D	49.42	.2722	1.900	-.0096	.0705	.6072
19	S96T001088_L	1.302	.1793	.4855	-.0066	.0728	.7421
20	S96T001088	1.248	.0639	.4993	-.0115	.0080	.6919
21	S96T001088_D	1.201	.0461	.5288	-.0043	.0064	.7224
22	CCV_1	4.948	4.991	4.907	4.728	4.847	4.779
23	CCB_1	-.0265	.0281	-.0125	.0024	-.0028	.0141
24	S96T001130_L	27.17	.4113	4.510	-.0077	.1907	.8937
25	S96T001130	26.64	.4409	4.708	.0263	.0126	.6940

Analysis Report Averages Thu 04-11-96 07:49:23 PM page 5

#	Sample Name	P	Pb	S	Sb	Se	Si
26	S96T001130_D	24.16	.4758	4.704	-.0149	.0227	.6452
27	ICSA	.0228	.0451	.0072	-.0065	-.0421	.0171
28	ICSAB	-.0008	1.035	.0231	.0000	-.0271	.0124
29	CCV_2	4.937	4.992	4.911	4.740	4.904	4.750
30	CCB_2	-.0003	.0148	-.0142	.0000	.0168	.0065

#	Sample Name	Sm	Sr	Th	Ti	Tl	U
1	ICV	4.871	4.908	-.0166	4.823	4.895	9.556
2	ICB	.0037	.0001	-.0035	.0002	.0099	-.0029
3	ICSA	-.0043	-.0026	.0046	.0017	.0141	.0576
4	ICSAB	-.0008	-.0026	.0094	.0020	.0107	.0168
5	PREPSTDTJA	4.743	4.746	-.0079	4.445	4.549	9.246
6	PREPBLKTJA	-.0160	.0000	-.0006	.0007	.0057	-.0731
7	S96T001085_L	.0009	.0378	.0323	.0355	.0322	1.605
8	S96T001085	.0149	.0379	.0970	.0466	.0085	1.698
9	S96T001085_D	.0300	.0418	.1032	.0481	.0648	1.805
10	S96T001085_S	4.540	4.567	.0838	4.092	4.408	10.65
11	CCV	4.870	4.913	-.0107	4.841	4.900	9.580
12	CCB	.0037	-.0001	-.0055	-.0005	-.0057	.0042
13	S96T001086_L	-.0448	.0612	.0865	.0714	-.1332	2.596
14	S96T001086	.0385	.0640	.1102	.0786	.0219	3.040
15	S96T001086_D	.0491	.0969	.1630	.1071	.0530	4.370
16	S96T001087_L	.0621	.0136	.0139	-.0003	-.0180	.9140
17	S96T001087	.0104	.0154	.0501	.0149	-.0038	.9702
18	S96T001087_D	.0192	.0111	.0199	.0077	.0710	.6915
19	S96T001088_L	.0558	.0021	-.0226	.0011	-.1084	.1261
20	S96T001088	-.0129	.0024	.0022	.0024	-.0247	-.0483
21	S96T001088_D	-.0106	.0024	-.0007	.0029	-.0112	-.0500
22	CCV_1	4.858	4.894	-.0146	4.826	4.872	9.543
23	CCB_1	-.0004	.0000	-.0006	.0000	-.0060	-.0079
24	S96T001130_L	-.0330	.0129	-.0038	.0034	.0824	.2361
25	S96T001130	-.0135	.0165	.0315	.0193	-.0499	.6407
26	S96T001130_D	-.0109	.0166	.0278	.0193	.0782	.6143
27	ICSA	.0013	-.0025	-.0063	.0012	-.0193	.0472
28	ICSAB	.0072	-.0024	-.0003	.0014	-.0345	.0585
29	CCV_2	4.870	4.905	-.0133	4.826	4.842	9.565
30	CCB_2	.0041	.0001	-.0022	-.0005	.0225	.0047

#	Sample Name	V	Y	Zn	Zr
1	ICV	4.998	.0061	5.020	4.893
2	ICB	.0004	.0001	.0007	.0006
3	ICSA	-.0011	.0066	-.0000	-.0043
4	ICSAB	.4750	.0067	.9730	-.0045
5	PREPSTDTJA	4.694	.0048	4.612	5.090
6	PREPBLKTJA	-.0028	-.0008	.0179	.0005
7	S96T001085_L	.0065	.0158	.4476	.0533
8	S96T001085	.0228	.0153	.4277	.0600
9	S96T001085_D	.0239	.0173	.4614	.0380
10	S96T001085_S	4.505	.0218	4.978	.6953
11	CCV	5.027	.0064	5.047	4.916

Analysis Report Averages Thu 04-11-96 07:49:23 PM page 6

#	Sample Name	V	Y	Zn	Zr
12	CCB	-.0002	.0002	.0018	.0008
13	S96T001086_L	-.0017	.0060	.5135	.0741
14	S96T001086	.0212	.0114	.4959	.0994
15	S96T001086_D	.0347	.0172	.6880	.0994
16	S96T001087_L	.0190	.0102	.3240	.0241
17	S96T001087	.0172	.0092	.3159	.0298
18	S96T001087_D	.0154	.0068	.2084	.0283
19	S96T001088_L	.0051	.0019	.0725	.0050
20	S96T001088	-.0025	-.0004	.0660	.0009
21	S96T001088_D	-.0019	-.0005	.0717	.0015
22	CCV_1	5.001	.0061	5.029	4.884
23	CCB_1	-.0002	.0002	.0001	.0001
24	S96T001130_L	-.0076	.0023	.1742	.0210
25	S96T001130	.0092	.0037	.1746	.0327
26	S96T001130_D	.0049	.0040	.1668	.0341
27	ICSA	.0001	.0070	-.0004	-.0028
28	ICSAB	.4681	.0070	.9655	-.0033
29	CCV_2	5.004	.0063	5.034	4.891
30	CCB_2	.0004	.0001	.0005	.0002

DK
04-11-96

LABCORE Data Entry Template for Worklist# 7533

Analyst: JK Sato **Instrument:** ICP01 JK 4-12-96 **Book#** 538488

Method: LA-505-151/161 Rev/Mod B-0

Worklist Comment: ICP U-107 (ACID DIGEST)

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	ICV				@ICP-QC	QC		
2	ICB				@ICP-QC	QC		
3	ICSA				@ICP-QC	QC		
4	ICSAB				@ICP-QC	QC		
5	PREPSTDTJA				@ICP-A01	SOLID		
6	PREPBLKTJA				@ICP-A01	SOLID		
7	SERDIL	S96T001152	0	A	@ICP-A01	SOLID		
8	SAMPLE	S96T001152	0	A	@ICP-A01	SOLID	96000085	U-107
	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						
9	DUP	S96T001152	0	A	@ICP-A01	SOLID		
10	SPK-PREDIG	S96T001152	0	A	@ICP-A01	SOLID		
11	CCV				@ICP-QC	QC		
12	CCB				@ICP-QC	QC		
13	SERDIL	S96T001161	0	A	@ICP-A01	SOLID		
14	SAMPLE	S96T001161	0	A	@ICP-A01	SOLID	96000085	U-107
	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 ,						

Data Entry Comments:

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

LABCORE Data Entry Template for Worklist# 7533

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
					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			
15	DUP	S96T001161	0	A	@ICP-A01	SOLID		
16	ICSA				@ICP-QC	QC		
17	ICSAB				@ICP-QC	QC		
18	CCV				@ICP-QC	QC		
19	CCB				@ICP-QC	QC		

Final page for worklist # 7533

DK [signature] 04-12-96
Analyst Signature Date

Reviewed by: Saul M. Parry 4/12/96
Analyst Signature Date

pStdTJa, direct
pblkTJa, direct

4T001152_L, 3-6-2-8, DF 15
4T001152 3-6 3
4T001152_D 3-6 3
T001152_S 3-6 3

4T001161_L, 3-6-2-8, DF 15
4T001161 3-6 3
4T001161 3-6 3

Data Entry Comments:

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

LABCORE Completed Worklist Report for Worklist# 7533

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

Method: _____ Rev/Mod _____

Worklist Comment: ICP U-107 (ACID DIGEST)

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
1	ICV		0		@ICP-QC AG	QC	5.0	4.92e+00	98.400	% Recovery
1	ICV		0		@ICP-QC AL	QC	5.0	4.88e+00	97.600	% Recovery
1	ICV		0		@ICP-QC AS	QC	5.0	5.09e+00	101.800	% Recovery
1	ICV		0		@ICP-QC B	QC	5.0	5.00e+00	100.000	% Recovery
1	ICV		0		@ICP-QC BA	QC	5.0	4.97e+00	99.400	% Recovery
1	ICV		0		@ICP-QC BE	QC	5.0	5.11e+00	102.200	% Recovery
1	ICV		0		@ICP-QC BI	QC	5.0	5.04e+00	100.800	% Recovery
1	ICV		0		@ICP-QC CA	QC	5.0	4.98e+00	99.600	% Recovery
1	ICV		0		@ICP-QC CD	QC	5.0	4.93e+00	98.600	% Recovery
1	ICV		0		@ICP-QC CE	QC	5.0	5.12e+00	102.400	% Recovery
1	ICV		0		@ICP-QC CO	QC	5.0	4.97e+00	99.400	% Recovery
1	ICV		0		@ICP-QC CR	QC	5.0	5.01e+00	100.200	% Recovery
1	ICV		0		@ICP-QC CU	QC	5.0	5.14e+00	102.800	% Recovery
1	ICV		0		@ICP-QC FE	QC	5.0	4.98e+00	99.600	% Recovery
1	ICV		0		@ICP-QC K	QC	5.0	5.00e+00	100.000	% Recovery
1	ICV		0		@ICP-QC LA	QC	5.0	5.00e+00	100.000	% Recovery
1	ICV		0		@ICP-QC LI	QC	5.0	5.08e+00	101.600	% Recovery
1	ICV		0		@ICP-QC MG	QC	5.0	4.84e+00	96.800	% Recovery
1	ICV		0		@ICP-QC MN	QC	5.0	4.87e+00	97.400	% 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	5.01e+00	100.200	% Recovery
1	ICV		0		@ICP-QC ND	QC	5.0	5.09e+00	101.800	% Recovery
1	ICV		0		@ICP-QC NI	QC	5.0	4.96e+00	99.200	% Recovery
1	ICV		0		@ICP-QC P	QC	5.0	4.96e+00	99.200	% Recovery
1	ICV		0		@ICP-QC PB	QC	5.0	4.90e+00	98.000	% Recovery
1	ICV		0		@ICP-QC S	QC	5.0	4.90e+00	98.000	% Recovery
1	ICV		0		@ICP-QC SB	QC	5.0	4.72e+00	94.400	% Recovery
1	ICV		0		@ICP-QC SE	QC	5.0	4.83e+00	96.600	% Recovery
1	ICV		0		@ICP-QC SI	QC	5.0	4.70e+00	94.000	% Recovery
1	ICV		0		@ICP-QC SM	QC	5.0	4.88e+00	97.600	% 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	4.81e+00	96.200	% Recovery
1	ICV		0		@ICP-QC TL	QC	5.00	4.76e+00	95.200	% Recovery
1	ICV		0		@ICP-QC U	QC	10.	9.65e+00	96.500	% Recovery
1	ICV		0		@ICP-QC V	QC	5.0	4.98e+00	99.600	% Recovery
1	ICV		0		@ICP-QC ZN	QC	5.0	4.97e+00	99.400	% Recovery
1	ICV		0		@ICP-QC ZR	QC	5.0	4.87e+00	97.400	% 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# 7533

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	ICSA		0		●ICP-QC	AG	QC	1	<1.00e-2		ug/g
3	ICSA		0		●ICP-QC	AL	QC	250	2.41e+02	96.400	% Recovery
3	ICSA		0		●ICP-QC	AS	QC	1.0	<1.00e-1		ug/g
3	ICSA		0		●ICP-QC	B	QC	1	<5.00e-2		ug/g
3	ICSA		0		●ICP-QC	BA	QC	1	<5.00e-2		ug/g
3	ICSA		0		●ICP-QC	BE	QC	1	<5.00e-3		ug/g
3	ICSA		0		●ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
3	ICSA		0		●ICP-QC	CA	QC	250	2.46e+02	98.400	% Recovery
3	ICSA		0		●ICP-QC	CD	QC	1	<5.00e-3		ug/g
3	ICSA		0		●ICP-QC	CE	QC	1	<1.00e-1		ug/g
3	ICSA		0		●ICP-QC	CO	QC	1	<2.00e-2		ug/g
3	ICSA		0		●ICP-QC	CR	QC	1	<1.00e-2		ug/g
3	ICSA		0		●ICP-QC	CU	QC	1	<1.00e-2		ug/g
3	ICSA		0		●ICP-QC	FE	QC	100	9.26e+01	92.600	% Recovery
3	ICSA		0		●ICP-QC	K	QC	1	<5.00e-1		ug/g
3	ICSA		0		●ICP-QC	LA	QC	1.0	<5.00e-2		ug/g

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

LABCORE Completed Worklist Report for Worklist# 7533

Seq	Type	Sample#	R	A		Test	Matrix	Actual	Found	DL or Yield	Unit
3	ICSA		0		●ICP-QC	LI	QC	1	<1.00e-2		ug/g
3	ICSA		0		●ICP-QC	MG	QC	250	2.43e+02	97.200	% Recovery
3	ICSA		0		●ICP-QC	MN	QC	1.0	<1.00e-2		ug/g
3	ICSA		0		●ICP-QC	MO	QC	1	<5.00e-2		ug/g
3	ICSA		0		●ICP-QC	NA	QC	200	2.01e+02	100.500	% Recovery
3	ICSA		0		●ICP-QC	ND	QC	1	<1.00e-1		ug/g
3	ICSA		0		●ICP-QC	NI	QC	1	<2.00e-2		ug/g
3	ICSA		0		●ICP-QC	P	QC	1.0	<2.00e-1		ug/g
3	ICSA		0		●ICP-QC	PB	QC	1	<1.00e-1		ug/g
3	ICSA		0		●ICP-QC	S	QC	1.0	<1.00e-1		ug/g
3	ICSA		0		●ICP-QC	SB	QC	1	<6.00e-2		ug/g
3	ICSA		0		●ICP-QC	SE	QC	1	<1.00e-1		ug/g
3	ICSA		0		●ICP-QC	SI	QC	1	<5.00e-2		ug/g
3	ICSA		0		●ICP-QC	SM	QC	1	<1.00e-1		ug/g
3	ICSA		0		●ICP-QC	SR	QC	1	<1.00e-2		ug/g
3	ICSA		0		●ICP-QC	TI	QC	1	<1.00e-2		ug/g
3	ICSA		0		●ICP-QC	TL	QC	1.0	<2.00e-1		ug/g
3	ICSA		0		●ICP-QC	U	QC	1	<5.00e-1		ug/g
3	ICSA		0		●ICP-QC	V	QC	1	<5.00e-2		ug/g
3	ICSA		0		●ICP-QC	ZN	QC	1.0	<1.00e-2		ug/g
3	ICSA		0		●ICP-QC	ZR	QC	1	<1.00e-2		ug/g
4	ICSAB		0		●ICP-QC	AG	QC	1.0	9.77e-01	97.700	% Recovery
4	ICSAB		0		●ICP-QC	AL	QC	250	2.40e+02	96.000	% Recovery
4	ICSAB		0		●ICP-QC	AS	QC	1.0	<1.00e-1		ug/g
4	ICSAB		0		●ICP-QC	B	QC	1.0	<5.00e-2		ug/g
4	ICSAB		0		●ICP-QC	BA	QC	0.5	4.95e-01	99.000	% Recovery
4	ICSAB		0		●ICP-QC	BE	QC	0.5	4.88e-01	97.600	% Recovery
4	ICSAB		0		●ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
4	ICSAB		0		●ICP-QC	CA	QC	250	2.48e+02	99.200	% Recovery
4	ICSAB		0		●ICP-QC	CD	QC	1.0	9.56e-01	95.600	% Recovery
4	ICSAB		0		●ICP-QC	CE	QC	1.0	<1.00e-1		ug/g
4	ICSAB		0		●ICP-QC	CO	QC	0.5	4.69e-01	93.800	% Recovery
4	ICSAB		0		●ICP-QC	CR	QC	0.5	4.81e-01	96.200	% Recovery
4	ICSAB		0		●ICP-QC	CU	QC	0.5	4.93e-01	98.600	% Recovery
4	ICSAB		0		●ICP-QC	FE	QC	100	9.28e+01	92.800	% Recovery
4	ICSAB		0		●ICP-QC	K	QC	1.0	<5.00e-1		ug/g
4	ICSAB		0		●ICP-QC	LA	QC	1.0	<5.00e-2		ug/g
4	ICSAB		0		●ICP-QC	LI	QC	1.0	1.01e+00	101.000	% Recovery
4	ICSAB		0		●ICP-QC	MG	QC	250	2.42e+02	96.800	% Recovery
4	ICSAB		0		●ICP-QC	MN	QC	0.5	4.52e-01	90.400	% Recovery
4	ICSAB		0		●ICP-QC	MO	QC	1.0	<5.00e-2		ug/g
4	ICSAB		0		●ICP-QC	NA	QC	200	1.99e+02	99.500	% Recovery
4	ICSAB		0		●ICP-QC	ND	QC	1.0	<1.00e-1		ug/g
4	ICSAB		0		●ICP-QC	NI	QC	1.0	9.28e-01	92.800	% Recovery
4	ICSAB		0		●ICP-QC	P	QC	1.0	<2.00e-1		ug/g
4	ICSAB		0		●ICP-QC	PB	QC	1.0	1.02e+00	102.000	% Recovery
4	ICSAB		0		●ICP-QC	S	QC	1.0	<1.00e-1		ug/g
4	ICSAB		0		●ICP-QC	SB	QC	1.0	<6.00e-2		ug/g
4	ICSAB		0		●ICP-QC	SE	QC	1.0	<1.00e-1		ug/g

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

LABCORE Completed Worklist Report for Worklist# 7533

Seq	Type	Sample#	R	A		Test	Matrix	Actual	Found	DL or Yield	Unit
4	ICSAB		0		●ICP-QC	SI	QC	1.0	<5.00e-2		ug/g
4	ICSAB		0		●ICP-QC	SM	QC	1.0	<1.00e-1		ug/g
4	ICSAB		0		●ICP-QC	SR	QC	1.0	<1.00e-2		ug/g
4	ICSAB		0		●ICP-QC	TI	QC	1.0	<1.00e-2		ug/g
4	ICSAB		0		●ICP-QC	TL	QC	1.0	<2.00e-1		ug/g
4	ICSAB		0		●ICP-QC	U	QC	1.0	<5.00e-1		ug/g
4	ICSAB		0		●ICP-QC	V	QC	0.5	4.70e-01	94.000	% Recovery
4	ICSAB		0		●ICP-QC	ZN	QC	1.0	9.63e-01	96.300	% Recovery
4	ICSAB		0		●ICP-QC	ZR	QC	1.0	<1.00e-2		ug/g
5	PREPSTDTJA		0		●ICP-A01	AG-A-01	SOLID	1.0	9.43e-01	94.300	% Recovery
5	PREPSTDTJA		0		●ICP-A01	AL-A-01	SOLID	5.0	4.79e+00	95.800	% Recovery
5	PREPSTDTJA		0		●ICP-A01	AS-A-01	SOLID	5.0	4.89e+00	97.800	% Recovery
5	PREPSTDTJA		0		●ICP-A01	B-A-01	SOLID	5.0	5.47e+00	109.400	% Recovery
5	PREPSTDTJA		0		●ICP-A01	BA-A-01	SOLID	5.0	4.83e+00	96.600	% Recovery
5	PREPSTDTJA		0		●ICP-A01	BE-A-01	SOLID	5.0	5.40e+00	108.000	% Recovery
5	PREPSTDTJA		0		●ICP-A01	BI-A-01	SOLID	5.0	4.73e+00	94.600	% Recovery
5	PREPSTDTJA		0		●ICP-A01	CA-A-01	SOLID	5.0	4.83e+00	96.600	% Recovery
5	PREPSTDTJA		0		●ICP-A01	CD-A-01	SOLID	5.0	4.71e+00	94.200	% Recovery
5	PREPSTDTJA		0		●ICP-A01	CE-A-01	SOLID	5.0	5.01e+00	100.200	% Recovery
5	PREPSTDTJA		0		●ICP-A01	CO-A-01	SOLID	5.0	4.82e+00	96.400	% Recovery
5	PREPSTDTJA		0		●ICP-A01	CR-A-01	SOLID	5.0	4.75e+00	95.000	% Recovery
5	PREPSTDTJA		0		●ICP-A01	CU-A-01	SOLID	5.0	4.78e+00	95.600	% Recovery
5	PREPSTDTJA		0		●ICP-A01	FE-A-01	SOLID	5.0	4.75e+00	95.000	% Recovery
5	PREPSTDTJA		0		●ICP-A01	K-A-01	SOLID	5.0	4.99e+00	99.800	% Recovery
5	PREPSTDTJA		0		●ICP-A01	LA-A-01	SOLID	5.0	4.88e+00	97.600	% Recovery
5	PREPSTDTJA		0		●ICP-A01	LI-A-01	SOLID	5.0	4.87e+00	97.400	% Recovery
5	PREPSTDTJA		0		●ICP-A01	MG-A-01	SOLID	5.0	4.54e+00	90.800	% Recovery
5	PREPSTDTJA		0		●ICP-A01	MN-A-01	SOLID	5.0	4.64e+00	92.800	% Recovery
5	PREPSTDTJA		0		●ICP-A01	MO-A-01	SOLID	5.0	4.68e+00	93.600	% Recovery
5	PREPSTDTJA		0		●ICP-A01	NA-A-01	SOLID	5.0	5.90e+00	118.000	% Recovery
5	PREPSTDTJA		0		●ICP-A01	ND-A-01	SOLID	5.0	4.85e+00	97.000	% Recovery
5	PREPSTDTJA		0		●ICP-A01	NI-A-01	SOLID	5.0	4.86e+00	97.200	% Recovery
5	PREPSTDTJA		0		●ICP-A01	P-A-01	SOLID	5.0	4.88e+00	97.600	% Recovery
5	PREPSTDTJA		0		●ICP-A01	PB-A-01	SOLID	5.0	4.57e+00	91.400	% Recovery
5	PREPSTDTJA		0		●ICP-A01	S-A-01	SOLID	5.0	4.75e+00	95.000	% Recovery
5	PREPSTDTJA		0		●ICP-A01	SB-A-01	SOLID	5.0	4.72e+00	94.400	% Recovery
5	PREPSTDTJA		0		●ICP-A01	SE-A-01	SOLID	5.0	4.58e+00	91.600	% Recovery
5	PREPSTDTJA		0		●ICP-A01	SI-A-01	SOLID	5.0	6.03e+00	120.600	% Recovery
5	PREPSTDTJA		0		●ICP-A01	SM-A-01	SOLID	5.0	4.76e+00	95.200	% Recovery
5	PREPSTDTJA		0		●ICP-A01	SR-A-01	SOLID	5.0	4.78e+00	95.600	% Recovery
5	PREPSTDTJA		0		●ICP-A01	TL-A-01	SOLID	5.0	4.50e+00	90.000	% Recovery
5	PREPSTDTJA		0		●ICP-A01	U-A-01	SOLID	10.	9.30e+00	93.000	% Recovery
5	PREPSTDTJA		0		●ICP-A01	V-A-01	SOLID	5.0	4.70e+00	94.000	% Recovery
5	PREPSTDTJA		0		●ICP-A01	ZN-A-01	SOLID	5.0	4.59e+00	91.800	% Recovery
5	PREPSTDTJA		0		●ICP-A01	ZR-A-01	SOLID	5.0	4.81e+00	96.200	% Recovery
5	PREPSTDTJA		0		●ICP-A01	TI-A-01	SOLID	5.0	4.34e+00	86.800	% Recovery
6	PREPBLKTJA		0		●ICP-A01	AG-A-01	SOLID	1	<1.00e-2		ug/g
6	PREPBLKTJA		0		●ICP-A01	AL-A-01	SOLID	1	1.27e-01	0.130	ug/g
6	PREPBLKTJA		0		●ICP-A01	AS-A-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# 7533

Seq	Type	Sample#	R	A	Test	Matrix	Actual		Found	DL or Yield	Unit
6	PREPBLKTJA		0		●ICP-A01 B-A-01	SOLID	1		6.85e-01	0.690	ug/g
6	PREPBLKTJA		0		●ICP-A01 BA-A-01	SOLID	1		<5.00e-2		ug/g
6	PREPBLKTJA		0		●ICP-A01 BE-A-01	SOLID	1		<5.00e-3		ug/g
6	PREPBLKTJA		0		●ICP-A01 BI-A-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		●ICP-A01 CA-A-01	SOLID	1		1.34e-01	0.130	ug/g
6	PREPBLKTJA		0		●ICP-A01 CD-A-01	SOLID	1		<5.00e-3		ug/g
6	PREPBLKTJA		0		●ICP-A01 CE-A-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		●ICP-A01 CO-A-01	SOLID	1		<2.00e-2		ug/g
6	PREPBLKTJA		0		●ICP-A01 CR-A-01	SOLID	1		<1.00e-2		ug/g
6	PREPBLKTJA		0		●ICP-A01 CU-A-01	SOLID	1		1.84e-02	2.000e-002	ug/g
6	PREPBLKTJA		0		●ICP-A01 FE-A-01	SOLID	1		5.26e-02	5.000e-002	ug/g
6	PREPBLKTJA		0		●ICP-A01 K-A-01	SOLID	1		<5.00e-1		ug/g
6	PREPBLKTJA		0		●ICP-A01 LA-A-01	SOLID	1		<5.00e-2		ug/g
6	PREPBLKTJA		0		●ICP-A01 LI-A-01	SOLID	1		<1.00e-2		ug/g
6	PREPBLKTJA		0		●ICP-A01 MG-A-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		●ICP-A01 MN-A-01	SOLID	1		<1.00e-2		ug/g
6	PREPBLKTJA		0		●ICP-A01 MO-A-01	SOLID	1		<5.00e-2		ug/g
6	PREPBLKTJA		0		●ICP-A01 NA-A-01	SOLID	1		1.08e+00	1.080	ug/g
6	PREPBLKTJA		0		●ICP-A01 ND-A-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		●ICP-A01 NI-A-01	SOLID	1		<2.00e-2		ug/g
6	PREPBLKTJA		0		●ICP-A01 P-A-01	SOLID	1		<2.00e-1		ug/g
6	PREPBLKTJA		0		●ICP-A01 PB-A-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		●ICP-A01 S-A-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		●ICP-A01 SB-A-01	SOLID	1		<6.00e-2		ug/g
6	PREPBLKTJA		0		●ICP-A01 SE-A-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		●ICP-A01 SI-A-01	SOLID	1		7.64e-01	0.760	ug/g
6	PREPBLKTJA		0		●ICP-A01 SM-A-01	SOLID	1		<1.00e-1		ug/g
6	PREPBLKTJA		0		●ICP-A01 SR-A-01	SOLID	1		<1.00e-2		ug/g
6	PREPBLKTJA		0		●ICP-A01 TL-A-01	SOLID	1		<2.00e-1		ug/g
6	PREPBLKTJA		0		●ICP-A01 U-A-01	SOLID	1		<5.00e-1		ug/g
6	PREPBLKTJA		0		●ICP-A01 V-A-01	SOLID	1		<5.00e-2		ug/g
6	PREPBLKTJA		0		●ICP-A01 ZN-A-01	SOLID	1		<1.00e-2		ug/g
6	PREPBLKTJA		0		●ICP-A01 ZR-A-01	SOLID	1		<1.00e-2		ug/g
6	PREPBLKTJA		0		●ICP-A01 TI-A-01	SOLID	1		<1.00e-2		ug/g
7	SAMPLE	S96T001152	0	A	●ICP-A01 AG-A-01	SOLID	N/A		1.59e+01	5.590	ug/g
7	SAMPLE	S96T001152	0	A	●ICP-A01 AL-A-01	SOLID	N/A		3.18e+03	27.900	ug/g
7	SAMPLE	S96T001152	0	A	●ICP-A01 AS-A-01	SOLID	N/A	<	5.59e+01	55.900	ug/g
7	SAMPLE	S96T001152	0	A	●ICP-A01 B-A-01	SOLID	N/A		2.89e+01	27.900	ug/g
7	SAMPLE	S96T001152	0	A	●ICP-A01 BA-A-01	SOLID	N/A	<	2.79e+01	27.900	ug/g
7	SAMPLE	S96T001152	0	A	●ICP-A01 BE-A-01	SOLID	N/A	<	2.79e+00	2.790	ug/g
7	SAMPLE	S96T001152	0	A	●ICP-A01 BI-A-01	SOLID	N/A	<	5.59e+01	55.900	ug/g
7	SAMPLE	S96T001152	0	A	●ICP-A01 CA-A-01	SOLID	N/A		1.38e+02	55.900	ug/g
7	SAMPLE	S96T001152	0	A	●ICP-A01 CD-A-01	SOLID	N/A	<	2.79e+00	2.790	ug/g
7	SAMPLE	S96T001152	0	A	●ICP-A01 CE-A-01	SOLID	N/A	<	5.59e+01	55.900	ug/g
7	SAMPLE	S96T001152	0	A	●ICP-A01 CO-A-01	SOLID	N/A	<	1.12e+01	11.200	ug/g
7	SAMPLE	S96T001152	0	A	●ICP-A01 CR-A-01	SOLID	N/A		5.68e+02	5.590	ug/g
7	SAMPLE	S96T001152	0	A	●ICP-A01 CU-A-01	SOLID	N/A	<	5.59e+00	5.590	ug/g
7	SAMPLE	S96T001152	0	A	●ICP-A01 FE-A-01	SOLID	N/A		8.03e+01	27.900	ug/g
7	SAMPLE	S96T001152	0	A	●ICP-A01 K-A-01	SOLID	N/A		6.41e+02	279.000	ug/g

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

LABCORE Completed Worklist Report for Worklist# 7533

Seq	Type	Sample#	R	A	Test	Matrix	Actual		Found	DL or Yield	Unit
7	SAMPLE	S96T001152	0	A	@ICP-A01 LA-A-01	SOLID	N/A	<	2.79e+01	27.900	ug/g
7	SAMPLE	S96T001152	0	A	@ICP-A01 LI-A-01	SOLID	N/A	<	5.59e+00	5.590	ug/g
7	SAMPLE	S96T001152	0	A	@ICP-A01 MG-A-01	SOLID	N/A	<	5.59e+01	55.900	ug/g
7	SAMPLE	S96T001152	0	A	@ICP-A01 MN-A-01	SOLID	N/A		2.98e+01	5.590	ug/g
7	SAMPLE	S96T001152	0	A	@ICP-A01 MO-A-01	SOLID	N/A	<	2.79e+01	27.900	ug/g
7	SAMPLE	S96T001152	0	A	@ICP-A01 NA-A-01	SOLID	N/A		2.08e+05	55.900	ug/g
7	SAMPLE	S96T001152	0	A	@ICP-A01 ND-A-01	SOLID	N/A	<	5.59e+01	55.900	ug/g
7	SAMPLE	S96T001152	0	A	@ICP-A01 NI-A-01	SOLID	N/A	<	1.12e+01	11.200	ug/g
7	SAMPLE	S96T001152	0	A	@ICP-A01 P-A-01	SOLID	N/A		4.34e+02	112.000	ug/g
7	SAMPLE	S96T001152	0	A	@ICP-A01 PB-A-01	SOLID	N/A	<	5.59e+01	55.900	ug/g
7	SAMPLE	S96T001152	0	A	@ICP-A01 S-A-01	SOLID	N/A		4.56e+02	55.900	ug/g
7	SAMPLE	S96T001152	0	A	@ICP-A01 SB-A-01	SOLID	N/A	<	3.35e+01	33.500	ug/g
7	SAMPLE	S96T001152	0	A	@ICP-A01 SE-A-01	SOLID	N/A	<	5.59e+01	55.900	ug/g
7	SAMPLE	S96T001152	0	A	@ICP-A01 SI-A-01	SOLID	N/A		1.64e+02	27.900	ug/g
7	SAMPLE	S96T001152	0	A	@ICP-A01 SM-A-01	SOLID	N/A	<	5.59e+01	55.900	ug/g
7	SAMPLE	S96T001152	0	A	@ICP-A01 SR-A-01	SOLID	N/A	<	5.59e+00	5.590	ug/g
7	SAMPLE	S96T001152	0	A	@ICP-A01 TI-A-01	SOLID	N/A	<	5.59e+00	5.590	ug/g
7	SAMPLE	S96T001152	0	A	@ICP-A01 TL-A-01	SOLID	N/A	<	1.12e+02	112.000	ug/g
7	SAMPLE	S96T001152	0	A	@ICP-A01 U-A-01	SOLID	N/A	<	2.79e+02	279.000	ug/g
7	SAMPLE	S96T001152	0	A	@ICP-A01 V-A-01	SOLID	N/A	<	2.79e+01	27.900	ug/g
7	SAMPLE	S96T001152	0	A	@ICP-A01 ZN-A-01	SOLID	N/A		1.35e+01	5.590	ug/g
7	SAMPLE	S96T001152	0	A	@ICP-A01 ZR-A-01	SOLID	N/A	<	5.59e+00	5.590	ug/g
8	DUP	S96T001152	0	A	@ICP-A01 AG-A-01	SOLID	1.59e+01		1.47e+01	7.840	RPD
8	DUP	S96T001152	0	A	@ICP-A01 AL-A-01	SOLID	3.18e+03		3.04e+03	4.500	RPD
8	DUP	S96T001152	0	A	@ICP-A01 AS-A-01	SOLID	<5.59e1		<5.08e1		RPD
8	DUP	S96T001152	0	A	@ICP-A01 B-A-01	SOLID	2.89e+01		4.48e+01	43.150	RPD
8	DUP	S96T001152	0	A	@ICP-A01 BA-A-01	SOLID	<2.79e1		<2.54e1		RPD
8	DUP	S96T001152	0	A	@ICP-A01 BE-A-01	SOLID	<2.79e0		<2.54e0		RPD
8	DUP	S96T001152	0	A	@ICP-A01 BI-A-01	SOLID	<5.59e1		<5.08e1		RPD
8	DUP	S96T001152	0	A	@ICP-A01 CA-A-01	SOLID	1.38e+02		1.84e+02	28.570	RPD
8	DUP	S96T001152	0	A	@ICP-A01 CD-A-01	SOLID	<2.79e0		<2.54e0		RPD
8	DUP	S96T001152	0	A	@ICP-A01 CE-A-01	SOLID	<5.59e1		<5.08e1		RPD
8	DUP	S96T001152	0	A	@ICP-A01 CO-A-01	SOLID	<1.12e1		<1.02e1		RPD
8	DUP	S96T001152	0	A	@ICP-A01 CR-A-01	SOLID	5.68e+02		5.60e+02	1.420	RPD
8	DUP	S96T001152	0	A	@ICP-A01 CU-A-01	SOLID	<5.59e0		<5.08e0		RPD
8	DUP	S96T001152	0	A	@ICP-A01 FE-A-01	SOLID	8.03e+01		7.66e+01	4.720	RPD
8	DUP	S96T001152	0	A	@ICP-A01 K-A-01	SOLID	6.41e+02		5.25e+02	19.900	RPD
8	DUP	S96T001152	0	A	@ICP-A01 LA-A-01	SOLID	<2.79e1		<2.54e1		RPD
8	DUP	S96T001152	0	A	@ICP-A01 LI-A-01	SOLID	<5.59e0		<5.08e0		RPD
8	DUP	S96T001152	0	A	@ICP-A01 MG-A-01	SOLID	<5.59e1		<5.08e1		RPD
8	DUP	S96T001152	0	A	@ICP-A01 MN-A-01	SOLID	2.98e+01		2.73e+01	8.760	RPD
8	DUP	S96T001152	0	A	@ICP-A01 MO-A-01	SOLID	<2.79e1		<2.54e1		RPD
8	DUP	S96T001152	0	A	@ICP-A01 NA-A-01	SOLID	2.08e+05		2.03e+05	2.430	RPD
8	DUP	S96T001152	0	A	@ICP-A01 ND-A-01	SOLID	<5.59e1		<5.08e1		RPD
8	DUP	S96T001152	0	A	@ICP-A01 NI-A-01	SOLID	<1.12e1		<1.02e1		RPD
8	DUP	S96T001152	0	A	@ICP-A01 P-A-01	SOLID	4.34e+02		3.92e+02	10.170	RPD
8	DUP	S96T001152	0	A	@ICP-A01 PB-A-01	SOLID	<5.59e1		<5.08e1		RPD
8	DUP	S96T001152	0	A	@ICP-A01 S-A-01	SOLID	4.56e+02		4.31e+02	5.640	RPD
8	DUP	S96T001152	0	A	@ICP-A01 SB-A-01	SOLID	<3.35e1		<3.05e1		RPD

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

LABCORE Completed Worklist Report for Worklist# 7533

Seq	Type	Sample#	R	A		Test	Matrix	Actual	Found	DL or Yield	Unit
8	DUP	S96T001152	0	A	@ICP-A01	SE-A-01	SOLID	<5.59e1	<5.08e1		RPD
8	DUP	S96T001152	0	A	@ICP-A01	SI-A-01	SOLID	1.64e+02	1.84e+02	11.490	RPD
8	DUP	S96T001152	0	A	@ICP-A01	SM-A-01	SOLID	<5.59e1	<5.08e1		RPD
8	DUP	S96T001152	0	A	@ICP-A01	SR-A-01	SOLID	<5.59e0	<5.08e0		RPD
8	DUP	S96T001152	0	A	@ICP-A01	TL-A-01	SOLID	<1.12e2	<1.02e2		RPD
8	DUP	S96T001152	0	A	@ICP-A01	U-A-01	SOLID	<2.79e2	<2.54e2		RPD
8	DUP	S96T001152	0	A	@ICP-A01	V-A-01	SOLID	<2.79e1	<2.54e1		RPD
8	DUP	S96T001152	0	A	@ICP-A01	ZN-A-01	SOLID	1.35e+01	4.13e+01	101.460	RPD
8	DUP	S96T001152	0	A	@ICP-A01	ZR-A-01	SOLID	<5.59e0	<5.08e0		RPD
8	DUP	S96T001152	0	A	@ICP-A01	TI-A-01	SOLID	<5.59e0	<5.08e0		RPD
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	AG-A-01	SOLID	1.000	0.895	89.500	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	AL-A-01	SOLID	5.000	7.838	156.760	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	AS-A-01	SOLID	5.000	4.55e+00	91.000	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	B-A-01	SOLID	5.000	4.835	96.700	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	BA-A-01	SOLID	5.000	4.37e+00	87.400	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	BE-A-01	SOLID	5.000	4.50e+00	90.000	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	BI-A-01	SOLID	5.000	4.38e+00	87.600	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	CA-A-01	SOLID	5.000	4.440	88.800	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	CD-A-01	SOLID	5.000	4.34e+00	86.800	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	CE-A-01	SOLID	5.000	4.58e+00	91.600	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	CO-A-01	SOLID	5.000	4.41e+00	88.200	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	CR-A-01	SOLID	5.000	5.060	101.200	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	CU-A-01	SOLID	5.000	4.35e+00	87.000	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	FE-A-01	SOLID	5.000	4.399	87.980	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	K-A-01	SOLID	5.000	3.957	79.140	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	LA-A-01	SOLID	5.000	4.46e+00	89.200	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	LI-A-01	SOLID	5.000	4.51e+00	90.200	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	MG-A-01	SOLID	5.000	4.23e+00	84.600	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	MN-A-01	SOLID	5.000	4.200	84.000	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	MO-A-01	SOLID	5.000	4.59e+00	91.800	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	NA-A-01	SOLID	5.000	123.290	2.466e+003	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	ND-A-01	SOLID	5.000	4.44e+00	88.800	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	NI-A-01	SOLID	5.000	4.46e+00	89.200	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	P-A-01	SOLID	5.000	7.870	157.400	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	PB-A-01	SOLID	5.000	4.28e+00	85.600	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	S-A-01	SOLID	5.000	4.719	94.380	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	SB-A-01	SOLID	5.000	5.19e+00	103.800	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	SE-A-01	SOLID	5.000	4.23e+00	84.600	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	SI-A-01	SOLID	5.000	4.000	80.000	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	SM-A-01	SOLID	5.000	4.32e+00	86.400	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	SR-A-01	SOLID	5.000	4.34e+00	86.800	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	TL-A-01	SOLID	5.000	4.14e+00	82.800	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	U-A-01	SOLID	10.000	8.49e+00	84.900	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	V-A-01	SOLID	5.000	4.29e+00	85.800	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	ZN-A-01	SOLID	5.000	4.318	86.360	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	ZR-A-01	SOLID	5.000	5.99e+00	119.800	% Recovery
9	SPK-PREDIGS	96T001152	0	A	@ICP-A01	TI-A-01	SOLID	5.000	4.56e+00	91.200	% Recovery
10	CCV		0		@ICP-QC	AG	QC	5.0	4.92e+00	98.400	% Recovery
10	CCV		0		@ICP-QC	AL	QC	5.0	4.87e+00	97.400	% Recovery

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

LABCORE Completed Worklist Report for Worklist# 7533

Seq	Type	Sample#	R	A		Test	Matrix	Actual	Found	DL or Yield	Unit
10	CCV		0		●ICP-QC	AS	QC	5.0	5.09e+00	101.800	% Recovery
10	CCV		0		●ICP-QC	B	QC	5.0	5.01e+00	100.200	% Recovery
10	CCV		0		●ICP-QC	BA	QC	5.0	4.96e+00	99.200	% Recovery
10	CCV		0		●ICP-QC	BE	QC	5.0	5.14e+00	102.800	% Recovery
10	CCV		0		●ICP-QC	BI	QC	5.0	5.08e+00	101.600	% Recovery
10	CCV		0		●ICP-QC	CA	QC	5.0	5.06e+00	101.200	% Recovery
10	CCV		0		●ICP-QC	CD	QC	5.0	4.95e+00	99.000	% 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	4.98e+00	99.600	% Recovery
10	CCV		0		●ICP-QC	CR	QC	5.0	5.03e+00	100.600	% Recovery
10	CCV		0		●ICP-QC	CU	QC	5.0	5.14e+00	102.800	% Recovery
10	CCV		0		●ICP-QC	FE	QC	5.0	5.00e+00	100.000	% Recovery
10	CCV		0		●ICP-QC	K	QC	5.0	4.96e+00	99.200	% Recovery
10	CCV		0		●ICP-QC	LA	QC	5.0	4.97e+00	99.400	% Recovery
10	CCV		0		●ICP-QC	LI	QC	5.0	5.05e+00	101.000	% Recovery
10	CCV		0		●ICP-QC	MG	QC	5.0	4.84e+00	96.800	% Recovery
10	CCV		0		●ICP-QC	MN	QC	5.0	4.88e+00	97.600	% Recovery
10	CCV		0		●ICP-QC	MO	QC	5.0	4.96e+00	99.200	% Recovery
10	CCV		0		●ICP-QC	NA	QC	5.0	4.95e+00	99.000	% Recovery
10	CCV		0		●ICP-QC	ND	QC	5.0	5.04e+00	100.800	% Recovery
10	CCV		0		●ICP-QC	NI	QC	5.0	4.95e+00	99.000	% Recovery
10	CCV		0		●ICP-QC	P	QC	5.0	4.98e+00	99.600	% 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	4.94e+00	98.800	% Recovery
10	CCV		0		●ICP-QC	SB	QC	5.0	4.74e+00	94.800	% Recovery
10	CCV		0		●ICP-QC	SE	QC	5.0	4.86e+00	97.200	% Recovery
10	CCV		0		●ICP-QC	SI	QC	5.0	4.73e+00	94.600	% Recovery
10	CCV		0		●ICP-QC	SM	QC	5.0	4.84e+00	96.800	% Recovery
10	CCV		0		●ICP-QC	SR	QC	5.0	4.91e+00	98.200	% Recovery
10	CCV		0		●ICP-QC	TI	QC	5.0	4.82e+00	96.400	% Recovery
10	CCV		0		●ICP-QC	TL	QC	5.0	4.77e+00	95.400	% Recovery
10	CCV		0		●ICP-QC	U	QC	10.	9.61e+00	96.100	% 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	4.99e+00	99.800	% Recovery
10	CCV		0		●ICP-QC	ZR	QC	5.0	4.86e+00	97.200	% 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# 7533

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	SAMPLE	S96T001161	0	A	@ICP-A01	AG-A-01	SOLID	N/A		1.44e+01	5.570	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	AL-A-01	SOLID	N/A		8.10e+03	27.800	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	AS-A-01	SOLID	N/A	<	5.57e+01	55.700	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	B-A-01	SOLID	N/A		5.15e+01	27.800	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	BA-A-01	SOLID	N/A	<	2.78e+01	27.800	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	BE-A-01	SOLID	N/A	<	2.78e+00	2.780	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	BI-A-01	SOLID	N/A	<	5.57e+01	55.700	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	CA-A-01	SOLID	N/A		2.22e+02	55.700	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	CD-A-01	SOLID	N/A		3.44e+00	2.780	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	CE-A-01	SOLID	N/A	<	5.57e+01	55.700	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	CO-A-01	SOLID	N/A	<	1.11e+01	11.100	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	CR-A-01	SOLID	N/A		2.09e+03	5.570	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	CU-A-01	SOLID	N/A	<	5.57e+00	5.570	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	FE-A-01	SOLID	N/A		4.19e+02	27.800	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	K-A-01	SOLID	N/A		9.65e+02	278.000	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	LA-A-01	SOLID	N/A	<	2.78e+01	27.800	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	LI-A-01	SOLID	N/A	<	5.57e+00	5.570	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	MG-A-01	SOLID	N/A	<	5.57e+01	55.700	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	MN-A-01	SOLID	N/A		2.52e+02	5.570	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	MO-A-01	SOLID	N/A	<	2.78e+01	27.800	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	NA-A-01	SOLID	N/A		1.82e+05	55.700	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	ND-A-01	SOLID	N/A	<	5.57e+01	55.700	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	NI-A-01	SOLID	N/A		2.52e+01	11.100	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	P-A-01	SOLID	N/A		1.08e+03	111.000	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	PB-A-01	SOLID	N/A	<	5.57e+01	55.700	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	S-A-01	SOLID	N/A		7.71e+02	55.700	ug/g

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

LABCORE Completed Worklist Report for Worklist# 7533

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
12	SAMPLE	S96T001161	0	A	@ICP-A01	SB-A-01	SOLID	N/A	<	3.34e+01	33.400	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	SE-A-01	SOLID	N/A	<	5.57e+01	55.700	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	SI-A-01	SOLID	N/A		1.43e+02	27.800	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	SM-A-01	SOLID	N/A	<	5.57e+01	55.700	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	SR-A-01	SOLID	N/A	<	5.57e+00	5.570	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	TI-A-01	SOLID	N/A	<	5.57e+00	5.570	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	TL-A-01	SOLID	N/A	<	1.11e+02	111.000	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	U-A-01	SOLID	N/A	<	2.78e+02	278.000	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	V-A-01	SOLID	N/A	<	2.78e+01	27.800	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	ZN-A-01	SOLID	N/A		2.42e+01	5.570	ug/g
12	SAMPLE	S96T001161	0	A	@ICP-A01	ZR-A-01	SOLID	N/A	<	5.57e+00	5.570	ug/g
13	DUP	S96T001161	0	A	@ICP-A01	AG-A-01	SOLID	1.44e+01		1.46e+01	1.380	RPD
13	DUP	S96T001161	0	A	@ICP-A01	AL-A-01	SOLID	8.10e+03		8.09e+03	0.120	RPD
13	DUP	S96T001161	0	A	@ICP-A01	AS-A-01	SOLID	<5.57e1		<5.94e1		RPD
13	DUP	S96T001161	0	A	@ICP-A01	B-A-01	SOLID	5.15e+01		9.13e+01	55.740	RPD
13	DUP	S96T001161	0	A	@ICP-A01	BA-A-01	SOLID	<2.78e1		<2.97e1		RPD
13	DUP	S96T001161	0	A	@ICP-A01	BE-A-01	SOLID	<2.78e0		<2.97e0		RPD
13	DUP	S96T001161	0	A	@ICP-A01	BI-A-01	SOLID	<5.57e1		<5.94e1		RPD
13	DUP	S96T001161	0	A	@ICP-A01	CA-A-01	SOLID	2.22e+02		2.55e+02	13.840	RPD
13	DUP	S96T001161	0	A	@ICP-A01	CD-A-01	SOLID	3.44e+00		<2.97e0		RPD
13	DUP	S96T001161	0	A	@ICP-A01	CE-A-01	SOLID	<5.57e1		<5.94e1		RPD
13	DUP	S96T001161	0	A	@ICP-A01	CO-A-01	SOLID	<1.11e1		<1.19e1		RPD
13	DUP	S96T001161	0	A	@ICP-A01	CR-A-01	SOLID	2.09e+03		2.09e+03	0.000	RPD
13	DUP	S96T001161	0	A	@ICP-A01	CU-A-01	SOLID	<5.57e0		<5.94e0		RPD
13	DUP	S96T001161	0	A	@ICP-A01	FE-A-01	SOLID	4.19e+02		3.21e+02	26.490	RPD
13	DUP	S96T001161	0	A	@ICP-A01	K-A-01	SOLID	9.65e+02		8.30e+02	15.040	RPD
13	DUP	S96T001161	0	A	@ICP-A01	LA-A-01	SOLID	<2.78e1		<2.97e1		RPD
13	DUP	S96T001161	0	A	@ICP-A01	LI-A-01	SOLID	<5.57e0		<5.94e0		RPD
13	DUP	S96T001161	0	A	@ICP-A01	MG-A-01	SOLID	<5.57e1		<5.94e1		RPD
13	DUP	S96T001161	0	A	@ICP-A01	MN-A-01	SOLID	2.52e+02		2.42e+02	4.050	RPD
13	DUP	S96T001161	0	A	@ICP-A01	MO-A-01	SOLID	<2.78e1		<2.97e1		RPD
13	DUP	S96T001161	0	A	@ICP-A01	NA-A-01	SOLID	1.82e+05		1.93e+05	5.870	RPD
13	DUP	S96T001161	0	A	@ICP-A01	ND-A-01	SOLID	<5.57e1		<5.94e1		RPD
13	DUP	S96T001161	0	A	@ICP-A01	NI-A-01	SOLID	2.52e+01		2.47e+01	2.000	RPD
13	DUP	S96T001161	0	A	@ICP-A01	P-A-01	SOLID	1.08e+03		1.06e+03	1.870	RPD
13	DUP	S96T001161	0	A	@ICP-A01	PB-A-01	SOLID	<5.57e1		<5.94e1		RPD
13	DUP	S96T001161	0	A	@ICP-A01	S-A-01	SOLID	7.71e+02		7.37e+02	4.510	RPD
13	DUP	S96T001161	0	A	@ICP-A01	SB-A-01	SOLID	<3.34e1		<3.56e1		RPD
13	DUP	S96T001161	0	A	@ICP-A01	SE-A-01	SOLID	<5.57e1		<5.94e1		RPD
13	DUP	S96T001161	0	A	@ICP-A01	SI-A-01	SOLID	1.43e+02		1.46e+02	2.080	RPD
13	DUP	S96T001161	0	A	@ICP-A01	SM-A-01	SOLID	<5.57e1		<5.94e1		RPD
13	DUP	S96T001161	0	A	@ICP-A01	SR-A-01	SOLID	<5.57e0		<5.94e0		RPD
13	DUP	S96T001161	0	A	@ICP-A01	TL-A-01	SOLID	<1.11e2		<1.19e2		RPD
13	DUP	S96T001161	0	A	@ICP-A01	U-A-01	SOLID	<2.78e2		<2.97e2		RPD
13	DUP	S96T001161	0	A	@ICP-A01	V-A-01	SOLID	<2.78e1		<2.97e1		RPD
13	DUP	S96T001161	0	A	@ICP-A01	ZN-A-01	SOLID	2.42e+01		2.56e+01	5.620	RPD
13	DUP	S96T001161	0	A	@ICP-A01	ZR-A-01	SOLID	<5.57e0		<5.94e0		RPD
13	DUP	S96T001161	0	A	@ICP-A01	TI-A-01	SOLID	<5.57e0		<5.94e0		RPD
14	ICSA		0		@ICP-QC	AG	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# 7533

Seq	Type	Sample#	R	A		Test	Matrix	Actual	Found	DL or Yield	Unit
14	ICSA		0		@ICP-QC	AL	QC	250	2.37e+02	94.800	% Recovery
14	ICSA		0		@ICP-QC	AS	QC	1.0	<1.00e-1		ug/g
14	ICSA		0		@ICP-QC	B	QC	1	<5.00e-2		ug/g
14	ICSA		0		@ICP-QC	BA	QC	1	<5.00e-2		ug/g
14	ICSA		0		@ICP-QC	BE	QC	1	<5.00e-3		ug/g
14	ICSA		0		@ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
14	ICSA		0		@ICP-QC	CA	QC	250	2.47e+02	98.800	% Recovery
14	ICSA		0		@ICP-QC	CD	QC	1	<5.00e-3		ug/g
14	ICSA		0		@ICP-QC	CE	QC	1	<1.00e-1		ug/g
14	ICSA		0		@ICP-QC	CO	QC	1	<2.00e-2		ug/g
14	ICSA		0		@ICP-QC	CR	QC	1	<1.00e-2		ug/g
14	ICSA		0		@ICP-QC	CU	QC	1	<1.00e-2		ug/g
14	ICSA		0		@ICP-QC	FE	QC	100	9.20e+01	92.000	% Recovery
14	ICSA		0		@ICP-QC	K	QC	1	<5.00e-1		ug/g
14	ICSA		0		@ICP-QC	LA	QC	1.0	<5.00e-2		ug/g
14	ICSA		0		@ICP-QC	LI	QC	1	<1.00e-2		ug/g
14	ICSA		0		@ICP-QC	MG	QC	250	2.40e+02	96.000	% Recovery
14	ICSA		0		@ICP-QC	MN	QC	1.0	<1.00e-2		ug/g
14	ICSA		0		@ICP-QC	MO	QC	1	<5.00e-2		ug/g
14	ICSA		0		@ICP-QC	NA	QC	200	1.96e+02	98.000	% Recovery
14	ICSA		0		@ICP-QC	ND	QC	1	<1.00e-1		ug/g
14	ICSA		0		@ICP-QC	NI	QC	1	<2.00e-2		ug/g
14	ICSA		0		@ICP-QC	P	QC	1.0	<2.00e-1		ug/g
14	ICSA		0		@ICP-QC	PB	QC	1	<1.00e-1		ug/g
14	ICSA		0		@ICP-QC	S	QC	1.0	<1.00e-1		ug/g
14	ICSA		0		@ICP-QC	SB	QC	1	<6.00e-2		ug/g
14	ICSA		0		@ICP-QC	SE	QC	1	<1.00e-1		ug/g
14	ICSA		0		@ICP-QC	SI	QC	1	<5.00e-2		ug/g
14	ICSA		0		@ICP-QC	SM	QC	1	<1.00e-1		ug/g
14	ICSA		0		@ICP-QC	SR	QC	1	<1.00e-2		ug/g
14	ICSA		0		@ICP-QC	TI	QC	1	<1.00e-2		ug/g
14	ICSA		0		@ICP-QC	TL	QC	1.0	<2.00e-1		ug/g
14	ICSA		0		@ICP-QC	U	QC	1	<5.00e-1		ug/g
14	ICSA		0		@ICP-QC	V	QC	1	<5.00e-2		ug/g
14	ICSA		0		@ICP-QC	ZN	QC	1.0	<1.00e-2		ug/g
14	ICSA		0		@ICP-QC	ZR	QC	1	<1.00e-2		ug/g
15	ICSAB		0		@ICP-QC	AG	QC	1.0	9.66e-01	96.600	% Recovery
15	ICSAB		0		@ICP-QC	AL	QC	250	2.36e+02	94.400	% Recovery
15	ICSAB		0		@ICP-QC	AS	QC	1.0	<1.00e-1		ug/g
15	ICSAB		0		@ICP-QC	B	QC	1.0	<5.00e-2		ug/g
15	ICSAB		0		@ICP-QC	BA	QC	0.5	4.84e-01	96.800	% Recovery
15	ICSAB		0		@ICP-QC	BE	QC	0.5	4.79e-01	95.800	% Recovery
15	ICSAB		0		@ICP-QC	BI	QC	1.0	<1.00e-1		ug/g
15	ICSAB		0		@ICP-QC	CA	QC	250	2.47e+02	98.800	% Recovery
15	ICSAB		0		@ICP-QC	CD	QC	1.0	9.39e-01	93.900	% Recovery
15	ICSAB		0		@ICP-QC	CE	QC	1.0	<1.00e-1		ug/g
15	ICSAB		0		@ICP-QC	CO	QC	0.5	4.64e-01	92.800	% Recovery
15	ICSAB		0		@ICP-QC	CR	QC	0.5	4.77e-01	95.400	% Recovery
15	ICSAB		0		@ICP-QC	CU	QC	0.5	4.82e-01	96.400	% Recovery

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

LABCORE Completed Worklist Report for Worklist# 7533

Seq	Type	Sample#	R	A		Test	Matrix	Actual	Found	DL or Yield	Unit
15	ICSAB		0		@ICP-QC	FE	QC	100	9.16e+01	91.600	% Recovery
15	ICSAB		0		@ICP-QC	K	QC	1.0	<5.00e-1		ug/g
15	ICSAB		0		@ICP-QC	LA	QC	1.0	<5.00e-2		ug/g
15	ICSAB		0		@ICP-QC	LI	QC	1.0	9.88e-01	98.800	% Recovery
15	ICSAB		0		@ICP-QC	MG	QC	250	2.39e+02	95.600	% Recovery
15	ICSAB		0		@ICP-QC	MN	QC	0.5	4.46e-01	89.200	% Recovery
15	ICSAB		0		@ICP-QC	MO	QC	1.0	<5.00e-2		ug/g
15	ICSAB		0		@ICP-QC	NA	QC	200	1.95e+02	97.500	% Recovery
15	ICSAB		0		@ICP-QC	ND	QC	1.0	<1.00e-1		ug/g
15	ICSAB		0		@ICP-QC	NI	QC	1.0	9.09e-01	90.900	% Recovery
15	ICSAB		0		@ICP-QC	P	QC	1.0	<2.00e-1		ug/g
15	ICSAB		0		@ICP-QC	PB	QC	1.0	9.91e-01	99.100	% Recovery
15	ICSAB		0		@ICP-QC	S	QC	1.0	<1.00e-1		ug/g
15	ICSAB		0		@ICP-QC	SB	QC	1.0	<6.00e-2		ug/g
15	ICSAB		0		@ICP-QC	SE	QC	1.0	<1.00e-1		ug/g
15	ICSAB		0		@ICP-QC	SI	QC	1.0	<5.00e-2		ug/g
15	ICSAB		0		@ICP-QC	SM	QC	1.0	<1.00e-1		ug/g
15	ICSAB		0		@ICP-QC	SR	QC	1.0	<1.00e-2		ug/g
15	ICSAB		0		@ICP-QC	TI	QC	1.0	<1.00e-2		ug/g
15	ICSAB		0		@ICP-QC	TL	QC	1.0	<2.00e-1		ug/g
15	ICSAB		0		@ICP-QC	U	QC	1.0	<5.00e-1		ug/g
15	ICSAB		0		@ICP-QC	V	QC	0.5	4.67e-01	93.400	% Recovery
15	ICSAB		0		@ICP-QC	ZN	QC	1.0	9.57e-01	95.700	% Recovery
15	ICSAB		0		@ICP-QC	ZR	QC	1.0	<1.00e-2		ug/g
16	CCV		0		@ICP-QC	AG	QC	5.0	4.94e+00	98.800	% 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	5.13e+00	102.600	% Recovery
16	CCV		0		@ICP-QC	B	QC	5.0	5.02e+00	100.400	% Recovery
16	CCV		0		@ICP-QC	BA	QC	5.0	5.00e+00	100.000	% Recovery
16	CCV		0		@ICP-QC	BE	QC	5.0	5.16e+00	103.200	% Recovery
16	CCV		0		@ICP-QC	BI	QC	5.0	5.09e+00	101.800	% Recovery
16	CCV		0		@ICP-QC	CA	QC	5.0	5.10e+00	102.000	% Recovery
16	CCV		0		@ICP-QC	CD	QC	5.0	4.97e+00	99.400	% Recovery
16	CCV		0		@ICP-QC	CE	QC	5.0	5.12e+00	102.400	% Recovery
16	CCV		0		@ICP-QC	CO	QC	5.0	5.00e+00	100.000	% Recovery
16	CCV		0		@ICP-QC	CR	QC	5.0	5.06e+00	101.200	% Recovery
16	CCV		0		@ICP-QC	CU	QC	5.0	5.16e+00	103.200	% Recovery
16	CCV		0		@ICP-QC	FE	QC	5.0	5.02e+00	100.400	% Recovery
16	CCV		0		@ICP-QC	K	QC	5.0	5.16e+00	103.200	% Recovery
16	CCV		0		@ICP-QC	LA	QC	5.0	5.02e+00	100.400	% Recovery
16	CCV		0		@ICP-QC	LI	QC	5.0	5.07e+00	101.400	% Recovery
16	CCV		0		@ICP-QC	MG	QC	5.0	4.84e+00	96.800	% Recovery
16	CCV		0		@ICP-QC	MN	QC	5.0	4.90e+00	98.000	% Recovery
16	CCV		0		@ICP-QC	MO	QC	5.0	4.99e+00	99.800	% Recovery
16	CCV		0		@ICP-QC	NA	QC	5.0	4.97e+00	99.400	% Recovery
16	CCV		0		@ICP-QC	ND	QC	5.0	5.09e+00	101.800	% Recovery
16	CCV		0		@ICP-QC	NI	QC	5.0	4.99e+00	99.800	% Recovery
16	CCV		0		@ICP-QC	P	QC	5.0	4.98e+00	99.600	% Recovery
16	CCV		0		@ICP-QC	PB	QC	5.0	4.94e+00	98.800	% Recovery

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

LABCORE Completed Worklist Report for Worklist# 7533

Seq	Type	Sample#	R	A		Test	Matrix	Actual	Found	DL or Yield	Unit
16	CCV		0		●ICP-QC	S	QC	5.0	4.93e+00	98.600	% Recovery
16	CCV		0		●ICP-QC	SB	QC	5.0	4.76e+00	95.200	% 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	4.72e+00	94.400	% Recovery
16	CCV		0		●ICP-QC	SM	QC	5.0	4.90e+00	98.000	% Recovery
16	CCV		0		●ICP-QC	SR	QC	5.0	4.95e+00	99.000	% Recovery
16	CCV		0		●ICP-QC	TI	QC	5.0	4.84e+00	96.800	% Recovery
16	CCV		0		●ICP-QC	TL	QC	5.0	4.79e+00	95.800	% Recovery
16	CCV		0		●ICP-QC	U	QC	10.	9.69e+00	96.900	% Recovery
16	CCV		0		●ICP-QC	V	QC	5.0	5.01e+00	100.200	% Recovery
16	CCV		0		●ICP-QC	ZN	QC	5.0	5.00e+00	100.000	% Recovery
16	CCV		0		●ICP-QC	ZR	QC	5.0	4.90e+00	98.000	% 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# 7533

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit

Final page for worklist# 7533

Analyst Signature Date

Analyst Signature Date

Reviewer Signature Date 4/12/96

Analysis Report Summary Fri 04-12-96 09:09:46 AM page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	ICV	960412A	ICP2	04/12/96	08:01	DKS	Q	CONC
2	ICB	960412A	ICP2	04/12/96	08:05	DKS	Q	CONC
3	ICSA	960412A	ICP2	04/12/96	08:08	DKS	Q	CONC
4	ICSAB	960412A	ICP2	04/12/96	08:11	DKS	Q	CONC
5	PREPSTDTJA	960412A	ICP2	04/12/96	08:16	DKS	S	CONC
6	PREPBLKTJA	960412A	ICP2	04/12/96	08:20	DKS	S	CONC
7	S96T001152_L	960412A	ICP2	04/12/96	08:23	DKS	S	CONC
8	S96T001152	960412A	ICP2	04/12/96	08:26	DKS	S	CONC
9	S96T001152_D	960412A	ICP2	04/12/96	08:29	DKS	S	CONC
10	S96T001152_S	960412A	ICP2	04/12/96	08:32	DKS	S	CONC
11	CCV	960412A	ICP2	04/12/96	08:37	DKS	Q	CONC
12	CCB	960412A	ICP2	04/12/96	08:40	DKS	Q	CONC
13	S96T001161_L	960412A	ICP2	04/12/96	08:43	DKS	S	CONC
14	S96T001161	960412A	ICP2	04/12/96	08:46	DKS	S	CONC
15	S96T001161_D	960412A	ICP2	04/12/96	08:49	DKS	S	CONC
16	ICSA	960412A	ICP2	04/12/96	08:54	DKS	Q	CONC
17	ICSAB	960412A	ICP2	04/12/96	08:57	DKS	Q	CONC
18	CCV_1	960412A	ICP2	04/12/96	09:02	DKS	Q	CONC
19	CCB_1	960412A	ICP2	04/12/96	09:06	DKS	Q	CONC

DK
04-12-96
W-107 S96T001152
S96T001161
Worklist # 7533

SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 610 TO 613.

Analysis Report Averages Fri 04-12-96 09:09:46 AM page 2

#	Sample Name	Ag	Al	As	B	Ba	Be
1	ICV	4.923	4.878	5.088	5.003	4.974	5.107
2	ICB	.0013	.0058	.0072	.0031	.0002	-.0000
3	ICSA	.0032	240.7	-.0749	.0036	.0032	.0002
4	ICSAB	.9771	239.8	-.0629	-.0029	.4951	.4881
5	PREPSTDTJA	.9433	4.793	4.893	5.467	4.834	5.400
6	PREPBLKTJA	.0014	.1272	.0084	.6845	.0006	-.0003
7	S96T001152_L	.0900	17.64	.1559	.1384	.0047	-.0017
8	S96T001152_	.0852	17.06	.0036	.1555	.0039	-.0001
9	S96T001152_D	.0866	17.96	-.0332	.2648	.0041	-.0002
10	S96T001152_S	.9796	24.91	4.551	4.991	4.368	4.504
11	CCV	4.920	4.871	5.093	5.014	4.956	5.143
12	CCB	.0004	-.0029	.0090	.0053	.0003	.0000
13	S96T001161_L	.0937	45.01	-.0126	.3103	.0137	-.0000
14	S96T001161_	.0777	43.63	-.0473	.2773	.0115	.0003
15	S96T001161_D	.0739	40.90	-.0704	.4614	.0105	.0004
16	ICSA	.0021	237.1	-.0552	.0043	.0032	.0003
17	ICSAB	.9659	235.9	-.0693	-.0020	.4841	.4789
18	CCV_1	4.942	4.887	5.127	5.020	5.002	5.156
19	CCB_1	.0003	.0009	.0103	.0004	.0001	.0002

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
1	ICV	5.039	4.975	4.930	5.116	4.967	5.012
2	ICB	-.0250	.0004	.0016	.0023	.0002	.0010
3	ICSA	-.0293	245.9	-.0009	.0203	-.0021	-.0014
4	ICSAB	-.0413	248.4	.9563	.0173	.4687	.4812
5	PREPSTDTJA	4.733	4.832	4.710	5.011	4.820	4.746
6	PREPBLKTJA	-.0545	.1345	.0007	-.0035	-.0036	.0020
7	S96T001152_L	-.3370	.7823	.0028	.0223	-.0472	3.144
8	S96T001152_	-.0962	.7399	.0028	.0206	.0002	3.050
9	S96T001152_D	-.1230	1.086	.0037	.0025	-.0000	3.311
10	S96T001152_S	4.376	5.177	4.339	4.576	4.407	8.108
11	CCV	5.080	5.059	4.951	5.081	4.983	5.031
12	CCB	-.0129	-.0015	.0005	.0015	-.0044	-.0012
13	S96T001161_L	-.5512	1.244	.0217	.0694	-.0286	11.70
14	S96T001161_	-.0670	1.198	.0185	.0476	-.0047	11.28
15	S96T001161_D	.0438	1.291	.0142	.0268	-.0054	10.57
16	ICSA	-.0547	246.9	.0005	.0169	-.0001	-.0006
17	ICSAB	-.0416	247.1	.9386	.0242	.4638	.4769
18	CCV_1	5.087	5.103	4.966	5.120	5.004	5.060
19	CCB_1	-.0199	-.0033	.0002	-.0046	-.0014	.0009

#	Sample Name	Cu	Eu	Fe	K	La	Li
1	ICV	5.141	-.0023	4.978	4.997	5.004	5.084
2	ICB	.0007	-.0008	.0012	.0246	.0007	-.0004
3	ICSA	-.0113	-.0257	92.62	.2218	-.0041	.0037
4	ICSAB	.4929	-.0269	92.80	.2059	-.0047	1.007
5	PREPSTDTJA	4.783	-.0028	4.751	4.988	4.884	4.872
6	PREPBLKTJA	.0184	-.0012	.0526	.0621	-.0001	-.0006
7	S96T001152_L	.0061	-.0090	.4536	3.873	.0007	.0018

Analysis Report Averages Fri 04-12-96 09:09:46 AM page 3

#	Sample Name	Cu	Eu	Fe	K	La	Li
8	S96T001152	.0205	-.0033	.4312	3.443	.0077	-.0021
9	S96T001152_D	.0169	-.0005	.4525	3.101	.0041	.0014
10	S96T001152_S	4.347	-.0025	4.834	7.404	4.461	4.509
11	CCV	5.136	-.0020	5.002	4.955	4.973	5.053
12	CCB	.0000	.0001	.0004	.0222	.0003	.0006
13	S96T001161_L	.0202	-.0032	2.355	6.748	.0210	.0106
14	S96T001161	.0210	-.0004	2.256	5.202	.0197	.0021
15	S96T001161_D	.0213	-.0006	1.622	4.193	.0158	.0014
16	ICSA	-.0102	-.0331	92.01	.1003	-.0043	.0047
17	ICSAB	.4821	-.0309	91.63	.1830	-.0047	.9882
18	CCV_1	5.161	-.0021	5.019	5.157	5.017	5.074
19	CCB_1	.0002	-.0001	-.0003	-.0616	-.0001	.0009

#	Sample Name	Mg	Mn	Mo	Na	Nd	Ni
1	ICV	4.841	4.865	4.950	5.008	5.085	4.957
2	ICB	.0025	-.0001	.0011	-.0105	.0034	.0048
3	ICSA	242.6	-.0074	-.0156	200.6	.0059	.0020
4	ICSAB	242.4	.4523	-.0133	199.3	.0056	.9282
5	PREPSTDTJA	4.535	4.643	4.679	5.896	4.852	4.862
6	PREPBLKTJA	.0173	.0004	-.0005	1.084	-.0008	.0008
7	S96T001152_L	-.0423	.1637	.0442	1156.	-.0166	.0826
8	S96T001152	.0722	.1601	.0476	1117.	.0145	.0420
9	S96T001152_D	.1722	.1612	.0449	1198.	.0193	.0497
10	S96T001152_S	4.232	4.359	4.588	1244.	4.442	4.463
11	CCV	4.844	4.883	4.963	4.948	5.045	4.950
12	CCB	-.0059	.0000	-.0034	.0053	-.0005	-.0022
13	S96T001161_L	.1039	1.407	.1171	1015.	.0392	.2082
14	S96T001161	.1880	1.359	.1232	980.4	.0399	.1360
15	S96T001161_D	.1760	1.222	.1040	977.0	.0326	.1249
16	ICSA	240.2	-.0070	-.0143	196.2	.0041	.0038
17	ICSAB	239.4	.4463	-.0155	195.3	.0074	.9094
18	CCV_1	4.842	4.901	4.992	4.971	5.087	4.988
19	CCB_1	-.0030	.0001	.0012	.0022	.0003	.0082

#	Sample Name	P	Pb	S	Sb	Se	Si
1	ICV	4.961	4.902	4.901	4.720	4.833	4.696
2	ICB	.0063	.0001	.0052	-.0014	.0057	.0012
3	ICSA	.0239	.0151	.0443	-.0047	-.0397	.0129
4	ICSAB	-.0020	1.025	.0366	.0009	-.0509	.0027
5	PREPSTDTJA	4.883	4.574	4.753	4.723	4.579	6.028
6	PREPBLKTJA	.0022	-.0143	.0804	-.0025	.0070	.7640
7	S96T001152_L	2.236	-.0406	2.605	.0060	.2085	.9387
8	S96T001152	2.330	.0194	2.451	.0137	.0028	.8804
9	S96T001152_D	2.318	.0367	2.545	-.0259	.0406	1.090
10	S96T001152_S	10.21	4.275	7.171	5.186	4.233	4.880
11	CCV	4.981	4.913	4.939	4.739	4.861	4.728
12	CCB	-.0091	-.0072	-.0056	.0024	.0123	.0146
13	S96T001161_L	5.840	.0763	4.250	.0470	.1628	.9213
14	S96T001161	5.839	.1879	4.157	.0038	.0408	.7716
15	S96T001161_D	5.378	.1759	3.726	.0032	.0562	.7366

Analysis Report Averages Fri 04-12-96 09:09:46 AM page 4

#	Sample Name	P	Pb	S	Sb	Se	Si
16	ICSA	.0103	.0289	.0349	.0155	-.0579	.0252
17	ICSAB	.0301	.9909	.0271	-.0028	-.0520	.0134
18	CCV_1	4.978	4.935	4.934	4.760	4.869	4.722
19	CCB_1	.0064	.0029	.0122	.0032	.0294	.0046

#	Sample Name	Sm	Sr	Th	Ti	Tl	U
1	ICV	4.882	4.938	-.0092	4.813	4.762	9.651
2	ICB	-.0070	-.0001	.0078	-.0004	.0088	-.0506
3	ICSA	-.0085	-.0024	.0078	.0009	-.0274	.0809
4	ICSAB	-.0093	-.0025	.0106	.0005	-.0146	.0642
5	PREPSTDTJA	4.762	4.776	-.0031	4.338	4.498	9.299
6	PREPBLKTJA	-.0113	.0000	.0043	.0003	.0036	-.0854
7	S96T001152_L	-.0687	.0000	.0762	-.0066	-.2119	-.5919
8	S96T001152_	-.0488	.0016	.0376	.0009	-.0210	-.1549
9	S96T001152_D	-.0016	.0023	.0229	.0015	.0072	.0206
10	S96T001152_S	4.317	4.344	.0146	4.555	4.144	8.486
11	CCV	4.843	4.909	-.0018	4.819	4.772	9.607
12	CCB	.0005	.0000	.0037	.0000	-.0087	-.0139
13	S96T001161_L	-.0217	.0063	.1115	.0003	-.1302	.2238
14	S96T001161_	-.0026	.0071	.0826	.0059	.0381	.3216
15	S96T001161_D	-.0094	.0068	.0634	.0065	-.0893	.2614
16	ICSA	.0072	-.0023	.0103	.0009	-.0324	.0998
17	ICSAB	.0029	-.0024	.0123	.0012	-.0255	.0993
18	CCV_1	4.901	4.953	-.0044	4.839	4.792	9.692
19	CCB_1	-.0035	.0000	.0025	-.0002	.0120	-.0095

#	Sample Name	V	Y	Zn	Zr
1	ICV	4.981	.0057	4.975	4.873
2	ICB	-.0022	-.0006	-.0005	-.0023
3	ICSA	-.0038	.0062	-.0037	-.0058
4	ICSAB	.4698	.0063	.9626	-.0058
5	PREPSTDTJA	4.700	.0044	4.592	4.813
6	PREPBLKTJA	-.0029	-.0011	.0091	.0008
7	S96T001152_L	-.0340	-.0068	.0533	-.0206
8	S96T001152_	-.0091	-.0016	.0724	-.0017
9	S96T001152_D	-.0024	.0002	.2444	.0064
10	S96T001152_S	4.293	.0053	4.390	5.992
11	CCV	4.988	.0058	4.994	4.861
12	CCB	-.0001	-.0001	-.0020	-.0006
13	S96T001161_L	-.0120	.0023	.1211	.0168
14	S96T001161_	-.0014	.0039	.1304	.0220
15	S96T001161_D	-.0001	.0032	.1296	.0215
16	ICSA	-.0011	.0069	-.0031	-.0036
17	ICSAB	.4670	.0069	.9572	-.0038
18	CCV_1	5.014	.0059	4.998	4.900
19	CCB_1	-.0005	-.0002	.0001	-.0005

JK
04-12-96

File # 0960607B.TXT

04/10/96 10:54
A-0004-1

WHC-SD-WM-DP-184, REV. 1

LABCORE Data Entry Template for Worklist# 7559

Analyst: B. Goecke **Instrument:** ~~ICP01~~ ICP02 DG 6-2-96 **Book#** 56B484

Method: LA-505-~~151~~ 166 6-7-96/161 Rev/Mod B-1

Worklist Comment: ICP U-107 (DIRECT)

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	ICV				@ICP-QC	QC		
2	ICB LLS				@ICP-QC	QC		
3	ICSA				@ICP-QC	QC		
4	ICSAB				@ICP-QC	QC		
5	SERDIL	S96T001866	0	D	@ICP-D01	LIQUID		
6	SAMPLE	S96T001866	0	D	@ICP-D01	LIQUID	96000422	U-107
		Analytes Requested:			AG-D-01 , AL-D-01 , AS-D-01 , B-D-01 , BA-D-01 , BE-D-01 , BI-D-01 , CA-D-01 , CD-D-01 , CE-D-01 , CO-D-01 , CR-D-01 , CU-D-01 , FE-D-01 , K-D-01 , LA-D-01 , LI-D-01 , MG-D-01 , MN-D-01 , MO-D-01 , NA-D-01 , ND-D-01 , NI-D-01 , P-D-01 , PB-D-01 , S-D-01 , SB-D-01 , SE-D-01 , SI-D-01 , SM-D-01 , SR-D-01 , TI-D-01 , TL-D-01 , U-D-01 , V-D-01 , ZN-D-01 , ZR-D-01			
7	DUP	S96T001866	0	D	@ICP-D01	LIQUID		
8	SPK	S96T001866	0	D	@ICP-D01	LIQUID		
9	ICSA				@ICP-QC	QC		
10	ICSAB				@ICP-QC	QC		
11	CCV				@ICP-QC	QC		
12	CCB				@ICP-QC	QC		

Final page for worklist # 7559

[signature] 6-7-96
Analyst Signature **Date**

Reviewed by: Saul M. Pang 6/10/96
Analyst Signature **Date**

Data Entry Comments:

Raw data is the final result in ug/ml.

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

LABCORE Data Entry Template for Worklist# 7559

S Type	Sample#	R	A	Test	Matrix	Group#	Project
						D.F.	
	S96T001866-L			.025mL - 10mL - 2mL - 8mL		2005	
	1866			.025mL - 10mL		401	
	1866-D			.025mL - 10mL		401	
	1866-A			.025mL - 2mL - 8mL		401	

Data Entry Comments: Example for calculation of spike recovery:

S96T001866 $Al = \frac{\left(\frac{962.7}{401}\right) - \left(\frac{574.6}{401}\right)}{1} \times 100 = 96.7\%$

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

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

Analysis Report Summary Fri 06-07-96 02:42:44 PM page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	ICV	960607B	ICP2	06/07/96	13:56	BJG	Q	CONC
2	ICB	960607B	ICP2	06/07/96	14:02	BJG	Q	CONC
3	LLS	960607B	ICP2	06/07/96	14:05	BJG	Q	CONC
4	ICSA	960607B	ICP2	06/07/96	14:08	BJG	Q	CONC
5	ICSAB	960607B	ICP2	06/07/96	14:12	BJG	Q	CONC
6	S96T001866_L	960607B	ICP2	06/07/96	14:17	BJG	S	CONC
7	S96T001866_	960607B	ICP2	06/07/96	14:20	BJG	S	CONC
8	S96T001866_D	960607B	ICP2	06/07/96	14:24	BJG	S	CONC
9	S96T001866_A	960607B	ICP2	06/07/96	14:27	BJG	S	CONC
10	ICSA	960607B	ICP2	06/07/96	14:30	BJG	Q	CONC
11	ICSAB	960607B	ICP2	06/07/96	14:33	BJG	Q	CONC
12	CCV	960607B	ICP2	06/07/96	14:36	BJG	Q	CONC
13	CCB	960607B	ICP2	06/07/96	14:39	BJG	Q	CONC

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 616 TO 619.

[signature]
6-7-96

U-107 .0[illegible]

S96T001866

FILE # 0960607B.TXT

Analysis Report Averages Fri 06-07-96 02:42:44 PM page 2

#	Sample Name	Ag	Al	As	B	Ba	Be
1	ICV	5.011	4.894	5.180	4.998	4.971	5.148
2	ICB	-.0006	-.0052	.0054	.0022	-.0000	-.0000
3	LLS	.0178	.0963	.2232	.1032	.0985	.0105
4	ICSA	.0027	240.0	-.0631	.0083	.0032	.0002
5	ICSAB	.9935	240.9	-.0499	.0090	.4912	.4839
6	S96T001866_L	.8292	565.3	-5.134	7.035	1.971	-.2217
7	S96T001866_	1.669	574.6	-5.139	9.151	2.074	.0004
8	S96T001866_D	1.550	569.6	-3.860	9.151	2.036	-.0146
9	S96T001866_A	385.8	962.7	414.6	414.5	396.7	412.7
10	ICSA	.0114	242.9	-.0511	.0020	.0032	.0003
11	ICSAB	.9904	240.9	-.0416	.0015	.4876	.4860
12	CCV	5.043	4.938	5.207	5.058	5.040	5.203
13	CCB	.0017	-.0064	.0119	.0035	.0001	-.0001

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
1	ICV	5.149	5.145	5.076	5.140	5.089	5.131
2	ICB	-.0045	.0010	.0004	.0035	-.0007	-.0004
3	LLS	.1943	.2312	.0099	.2112	.0424	.0225
4	ICSA	-.0161	252.6	-.0000	.0206	.0012	.0000
5	ICSAB	-.0192	257.5	.9732	.0198	.4812	.4934
6	S96T001866_L	-19.40	4.550	-.5758	4.626	-1.916	41.47
7	S96T001866_	.4675	11.42	.3060	.1594	.3780	40.23
8	S96T001866_D	3.899	8.046	-.0381	2.024	.0917	39.36
9	S96T001866_A	400.1	420.0	405.4	416.9	406.7	450.1
10	ICSA	-.0212	255.8	.0005	.0169	.0015	.0016
11	ICSAB	-.0288	256.6	.9709	.0146	.4765	.4886
12	CCV	5.169	5.261	5.100	5.223	5.110	5.163
13	CCB	-.0121	.0004	.0003	.0039	-.0008	-.0004

#	Sample Name	Cu	Eu	Fe	K	La	Li
1	ICV	5.150	-.0026	5.091	5.266	5.029	5.003
2	ICB	-.0007	.0004	-.0002	-.3057	.0003	-.0002
3	LLS	.0209	.0009	.1051	.5076	.1017	.0207
4	ICSA	-.0107	-.0529	93.34	.1558	-.0036	.0033
5	ICSAB	.4905	-.0561	94.26	.1226	-.0042	.9742
6	S96T001866_L	.4568	-.7819	1.196	208.8	.5345	74.54
7	S96T001866_	.9720	-.0912	.4154	143.8	.3017	75.32
8	S96T001866_D	1.065	-.2105	.4487	163.7	.4741	74.81
9	S96T001866_A	419.2	-.5192	408.3	587.0	405.1	479.8
10	ICSA	-.0112	-.0547	94.38	.0909	-.0041	.0025
11	ICSAB	.4930	-.0561	94.05	.1078	-.0044	.9853
12	CCV	5.220	-.0028	5.133	4.955	5.113	5.091
13	CCB	-.0004	-.0003	.0005	.0069	.0007	-.0002

Analysis Report Averages Fri 06-07-96 02:42:44 PM page 3

#	Sample Name	Mg	Mn	Mo	Na	Nd	Ni
1	ICV	4.889	4.989	5.062	4.972	5.081	5.055
2	ICB	.0027	.0001	-.0005	.0052	-.0025	.0009
3	LLS	.2120	.0200	.0931	.2136	.1983	.0425
4	ICSA	239.4	-.0064	-.0146	196.3	.0032	-.0026
5	ICSAB	240.0	.4605	-.0129	197.4	.0046	.9554
6	S96T001866_L	8.579	-.6431	3.919	19650.	.3634	5.633
7	S96T001866_	2.912	-.0659	4.404	19530.	.7634	3.567
8	S96T001866_D	1.868	-.1417	5.454	19440.	.4137	2.664
9	S96T001866_A	394.6	389.7	408.4	20010.	410.3	409.9
10	ICSA	241.9	-.0066	-.0099	199.5	.0053	-.0040
11	ICSAB	240.3	.4584	-.0154	198.4	.0029	.9528
12	CCV	4.904	5.007	5.101	5.012	5.167	5.066
13	CCB	.0055	-.0001	-.0015	-.0004	-.0015	.0023

#	Sample Name	P	Pb	S	Sb	Se	Si
1	ICV	5.031	5.056	4.975	4.811	4.953	4.721
2	ICB	-.0159	-.0069	.0058	.0039	.0205	.0033
3	LLS	.4132	.2175	.2044	.1018	.2035	.1493
4	ICSA	.0077	.0345	.0230	.0061	-.0567	.0137
5	ICSAB	.0170	1.039	.0268	.0066	-.0614	.0133
6	S96T001866_L	2916.	-29.14	178.7	-5.379	58.57	42.05
7	S96T001866_	2953.	2.087	175.6	-.5916	-.4106	42.72
8	S96T001866_D	2966.	-3.740	177.7	-.2652	8.002	42.24
9	S96T001866_A	3378.	399.9	573.5	386.2	395.2	465.1
10	ICSA	.0434	.0212	.0296	.0087	-.0676	.0192
11	ICSAB	.0162	1.044	.0444	-.0017	-.0711	.0158
12	CCV	5.080	5.091	4.950	4.845	4.920	4.740
13	CCB	-.0038	-.0045	-.0009	-.0060	.0072	.0027

#	Sample Name	Sm	Sr	Th	Ti	Tl	U
1	ICV	4.907	4.947	.0305	4.876	4.891	9.670
2	ICB	.0035	.0001	-.0008	-.0005	.0080	.0084
3	LLS	.2124	.0203	-.0052	.0202	.4201	.5318
4	ICSA	-.0005	-.0024	.0133	.0015	.0232	-.0736
5	ICSAB	-.0056	-.0023	.0217	.0016	.0530	-.0959
6	S96T001866_L	-8.793	-.1018	2.659	-.4610	29.23	-43.96
7	S96T001866_	-.2321	.0207	1.109	.0041	-.7706	.3567
8	S96T001866_D	-1.470	-.0211	.7985	.0031	.4520	-3.747
9	S96T001866_A	390.5	397.4	3.077	390.6	376.7	768.4
10	ICSA	-.0102	-.0025	.0260	.0016	.0358	-.1102
11	ICSAB	-.0074	-.0023	.0137	.0013	.0656	-.1050
12	CCV	4.986	5.028	.0320	4.934	4.949	9.829
13	CCB	-.0022	.0000	.0017	-.0002	-.0138	-.0180

Analysis Report Averages Fri 06-07-96 02:42:44 PM page 4

#	Sample Name	V	Y	Zn	Zr
1	ICV	5.035	.0065	5.111	4.937
2	ICB	.0005	.0002	.0002	.0004
3	LLS	.1064	.0011	.0225	.0227
4	ICSA	.0008	.0071	-.0032	-.0042
5	ICSAB	.4818	.0071	.9890	-.0040
6	S96T001866_L	-1.401	-.4529	.2951	-1.570
7	S96T001866_	.0638	-.0316	2.728	-.0887
8	S96T001866_D	-.0763	-.0613	2.496	-.2017
9	S96T001866_A	402.5	.3336	410.8	393.9
10	ICSA	-.0008	.0066	-.0019	-.0063
11	ICSAB	.4773	.0069	.9850	-.0040
12	CCV	5.085	.0063	5.122	4.994
13	CCB	-.0005	-.0001	-.0002	-.0001

LABCORE Data Entry Template for Worklist# 8115

Analyst: JK Sato **Instrument:** ICP05L 5-4-96 **Book#** 53B48B

Method: LA-505-151/161 Rev/Mod B-0

Worklist Comment: 5-4-96 ICP U-107 (DIRECT)

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	ICV				@ICP-QC	QC		
2	ICB LLS 05-14-96				@ICP-QC	QC		
3	ICSA				@ICP-QC	QC		
4	ICSAB				@ICP-QC	QC		
5	SERDIL	S96T002140	0	D	@ICP-D01	LIQUID		
6	SAMPLE	S96T002140	0	D	@ICP-D01	LIQUID	96000422	U-107
	Analytes Requested:	AG-D-01 , AL-D-01 , AS-D-01 , B-D-01 , BA-D-01 , BE-D-01 , BI-D-01 , CA-D-01 , CD-D-01 , CE-D-01 , CO-D-01 , CR-D-01 , CU-D-01 , FE-D-01 , K-D-01 , LA-D-01 , LI-D-01 , MG-D-01 , MN-D-01 , MO-D-01 , NA-D-01 , ND-D-01 , NI-D-01 , P-D-01 , PB-D-01 , S-D-01 , SB-D-01 , SE-D-01 , SI-D-01 , SM-D-01 , SR-D-01 , TI-D-01 , TL-D-01 , U-D-01 , V-D-01 , ZN-D-01 , ZR-D-01						
7	DUP	S96T002140	0	D	@ICP-D01	LIQUID		
8	SPK	S96T002140	0	D	@ICP-D01	LIQUID		
9	CCV				@ICP-QC	QC		
10	CCB				@ICP-QC	QC		
11	SERDIL	S96T002141	0	D	@ICP-D01	LIQUID		
12	SAMPLE	S96T002141	0	D	@ICP-D01	LIQUID	96000422	U-107
	Analytes Requested:	AG-D-01 , AL-D-01 , AS-D-01 , B-D-01 , BA-D-01 , BE-D-01 , BI-D-01 , CA-D-01 , CD-D-01 , CE-D-01 , CO-D-01 , CR-D-01 , CU-D-01 , FE-D-01 , K-D-01 , LA-D-01 , LI-D-01 , MG-D-01 , MN-D-01 , MO-D-01 , NA-D-01 , ND-D-01 , NI-D-01 , P-D-01 , PB-D-01 , S-D-01 , SB-D-01 , SE-D-01 , SI-D-01 , SM-D-01 , SR-D-01 , TI-D-01 , TL-D-01 , U-D-01 , V-D-01 , ZN-D-01 , ZR-D-01						

Data Entry Comments: Raw data is the final results in ug/ml and no other dilution factors needed.

S96T002140 Example: Al = 2.15e4 ug/ml

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

LABCORE Data Entry Template for Worklist# 8115

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
13	DUP	S96T002141	0	D	@ICP-D01	LIQUID		
14	SPK	S96T002141	0	D	@ICP-D01	LIQUID		
15	SERDIL	S96T002142	0	D	@ICP-D01	LIQUID		
16	SAMPLE	S96T002142	0	D	@ICP-D01	LIQUID	96000422	U-107

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

S	Type	Sample#	R	A	Test	Matrix
17	DUP	S96T002142	0	D	@ICP-D01	LIQUID
18	SPK	S96T002142	0	D	@ICP-D01	LIQUID
19	ICSA				@ICP-QC	QC
20	ICSAB				@ICP-QC	QC
21	CCV				@ICP-QC	QC
22	CCB				@ICP-QC	QC

Final page for worklist # 8115

DK Sato 05-21-96
Analyst Signature **Date**

96T002140_L, .025-15-2-8, DF 3005
96T002140 ,025-15 601
96T002140_D ,025-15 601
96T002140_Q ,025-15 601, .025 ml samp/L + 3 ml SSTS + 12 ml HNO3
96T002141_L, .025-15-2-8, DF 3005
96T002141 .025-15 601
96T002141_D .025-15 601
96T002141_Q ,025-15 601, .025 ml samp/L + 3 ml SSTS + 12 ml HNO3

Reviewed by:
Saul M. Pang 5/22/96
Analyst Signature **Date**

S96T002142_L, .025-15-2-8, DF 3005
S96T002142 .025-15 601
S96T002142_D .025-15 601
S96T002142_Q .025-15 601, .025 ml samp/L + 3 ml SSTS + 12 ml HNO3

Data Entry Comments: Spike true value is 1.0 ppm on all elements except for U = 2.0 ppm

Example for calculation of Spike recovery:

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

S96T002140 $Ca = \left(\frac{710.3}{601}\right) - \left(\frac{89.74}{601}\right) \times 100 = 103.3\%$

621

Analysis Report Summary Tue 05-21-96 01:59:06 PM page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	ICV	960521C	ICP2	05/21/96	12:40	DKS	Q	CONC
2	ICB	960521C	ICP2	05/21/96	12:43	DKS	Q	CONC
3	LLS	960521C	ICP2	05/21/96	12:47	DKS	Q	CONC
4	ICSA	960521C	ICP2	05/21/96	12:49	DKS	Q	CONC
5	ICSAB	960521C	ICP2	05/21/96	12:53	DKS	Q	CONC
6	S96T002140_L	960521C	ICP2	05/21/96	12:57	DKS	S	CONC
7	S96T002140_	960521C	ICP2	05/21/96	13:00	DKS	S	CONC
8	S96T002140_D	960521C	ICP2	05/21/96	13:04	DKS	S	CONC
9	S969T002140_A	960521C	ICP2	05/21/96	13:07	DKS	S	CONC
10	CCV	960521C	ICP2	05/21/96	13:12	DKS	Q	CONC
11	CCB	960521C	ICP2	05/21/96	13:15	DKS	Q	CONC
12	S96T002141_L	960521C	ICP2	05/21/96	13:18	DKS	S	CONC
13	S96T002141_	960521C	ICP2	05/21/96	13:21	DKS	S	CONC
14	S96T002141_D	960521C	ICP2	05/21/96	13:24	DKS	S	CONC
15	S96T002141_A	960521C	ICP2	05/21/96	13:27	DKS	S	CONC
16	S96T002142_L	960521C	ICP2	05/21/96	13:31	DKS	S	CONC
17	S96T002142_	960521C	ICP2	05/21/96	13:34	DKS	S	CONC
18	S96T002142_D	960521C	ICP2	05/21/96	13:37	DKS	S	CONC
19	S96T002142_A	960521C	ICP2	05/21/96	13:40	DKS	S	CONC
20	ICSA	960521C	ICP2	05/21/96	13:45	DKS	Q	CONC
21	ICSAB	960521C	ICP2	05/21/96	13:48	DKS	Q	CONC
22	CCV_1	960521C	ICP2	05/21/96	13:52	DKS	Q	CONC
23	CCB_1	960521C	ICP2	05/21/96	13:56	DKS	Q	CONC

JK [signature]
05-21-96
4-107 S96T002140
S96T002141
S96T002142
Worklist #8115

SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 622 TO 627.

Analysis Report Averages Tue 05-21-96 01:59:06 PM page 2

#	Sample Name	Ag	Al	As	B	Ba	Be
1	ICV	4.900	4.876	5.090	5.038	4.994	5.155
2	ICB	.0014	.0178	-.0122	.0026	-.0000	.0006
3	LLS	.0211	.1155	.1958	.1008	.1003	.0112
4	ICSA	.0035	241.4	-.0496	.0051	.0017	.0007
5	ICSAB	.9780	241.6	-.0762	.0009	.4882	.4848
6	S96T002140_L	16.34	21620.	-42.54	61.07	-.4730	2.034
7	S96T002140_	15.23	21530.	-43.10	67.07	-.0691	.4331
8	S96T002140_D	15.16	21350.	-50.02	64.74	-.0129	.4977
9	S969T00214U_A	325.6	22050.	575.1	660.2	598.5	615.3
10	CCV	4.916	4.897	5.132	5.043	5.003	5.163
11	CCB	.0022	.0209	-.0084	.0056	.0000	.0007
12	S96T002141_L	19.33	23760.	-81.92	79.28	-.1817	1.918
13	S96T002141_	16.93	23510.	-52.28	69.68	-.0612	.5000
14	S96T002141_D	16.73	23500.	-49.81	69.94	.0761	.5213
15	S96T002141_A	285.2	22900.	580.7	650.1	594.2	610.7
16	S96T002142_L	19.40	21360.	-66.26	77.97	-.1741	1.917
17	S96T002142_	16.88	21050.	-41.76	65.78	.0792	.4540
18	S96T002142_D	15.49	20770.	-39.08	63.43	-.0941	.5000
19	S96T002142_A	292.3	21440.	567.7	654.7	590.4	608.5
20	ICSA	.0056	241.4	-.0857	.0008	.0019	.0008
21	ICSAB	.9727	241.0	-.0594	.0064	.4850	.4846
22	CCV_1	4.908	4.879	5.113	5.012	4.968	5.152
23	CCB_1	.0004	.0205	-.0153	.0017	-.0001	.0007

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
1	ICV	4.997	5.128	4.957	5.116	5.033	5.052
2	ICB	.0127	-.0050	-.0005	-.0047	-.0015	.0007
3	LLS	.2403	.2035	.0114	.1996	.0405	.0219
4	ICSA	.0166	253.6	.0008	.0043	-.0008	.0095
5	ICSAB	.0112	256.6	.9556	.0065	.4800	.4935
6	S96T002140_L	70.45	78.88	1.537	-31.99	-2.906	728.0
7	S96T002140_	12.40	89.74	.1357	-7.566	.2600	724.7
8	S96T002140_D	21.04	87.09	.6358	-6.121	.6916	717.7
9	S969T00214U_A	622.6	710.3	598.1	618.3	603.3	1323.
10	CCV	5.052	5.154	4.970	5.129	5.043	5.069
11	CCB	.0177	-.0045	.0004	-.0075	-.0014	-.0005
12	S96T002141_L	128.5	94.79	1.360	-24.83	-5.359	810.9
13	S96T002141_	13.00	98.44	.9766	-2.371	.6207	799.2
14	S96T002141_D	12.17	93.24	.9840	-3.531	-.6481	793.5
15	S96T002141_A	621.1	707.1	594.0	610.9	600.9	1353.
16	S96T002142_L	53.88	100.1	-1.700	-6.074	1.365	781.7
17	S96T002142_	2.823	97.19	.5665	1.854	.0561	769.8
18	S96T002142_D	13.92	90.70	.1863	-4.268	.8270	758.1
19	S96T002142_A	611.6	714.9	593.8	612.6	600.7	1367.
20	ICSA	.0059	254.4	.0002	.0133	-.0008	.0083
21	ICSAB	.0550	254.6	.9484	-.0007	.4738	.4897
22	CCV_1	5.086	5.148	4.961	5.084	5.041	5.062
23	CCB_1	.0672	-.0071	-.0005	-.0122	-.0012	.0006

Analysis Report Averages Tue 05-21-96 01:59:06 PM page 3

#	Sample Name	Cu	Eu	Fe	K	La	Li
1	ICV	5.188	-.0038	5.066	4.682	5.028	5.012
2	ICB	.0002	-.0007	-.0014	-.0366	.0010	.0001
3	LLS	.0213	-.0006	.1035	Q.5882	.1023	.0209
4	ICSA	-.0092	-.0475	94.49	.0812	-.0049	.0018
5	ICSAB	.4927	-.0499	94.86	.0520	-.0049	.9871
6	S96T002140_L	3.899	-3.711	.1893	2570.	-5.604	-1.003
7	S96T002140_	1.668	-.7381	3.782	2808.	-.6980	-.0654
8	S96T002140_D	2.185	-.8569	4.523	2880.	-.0166	.0678
9	S969T00214U_A	625.5	-1.122	612.1	3490.	611.7	600.0
10	CCV	5.198	-.0037	5.084	4.746	5.037	5.018
11	CCB	-.0002	-.0016	-.0013	-.0402	-.0001	-.0004
12	S96T002141_L	3.853	-4.209	-1.090	3158.	-1.897	-1.006
13	S96T002141_	1.360	-.3138	6.025	3215.	-.0546	.5425
14	S96T002141_D	1.488	-.6175	6.131	3051.	-.0614	.2712
15	S96T002141_A	619.4	-.9846	608.8	3498.	605.3	595.8
16	S96T002142_L	4.500	-3.615	-.8252	2984.	.1204	-.6692
17	S96T002142_	1.500	-.5863	4.516	2992.	1.033	.2043
18	S96T002142_D	1.929	-.7733	4.043	2919.	-.2516	.0699
19	S96T002142_A	615.9	-.7817	607.8	3550.	603.8	588.4
20	ICSA	-.0102	-.0499	94.70	.1015	-.0044	.0018
21	ICSAB	.4936	-.0479	94.51	.0359	-.0061	.9892
22	CCV_1	5.168	-.0032	5.059	5.039	5.007	4.986
23	CCB_1	.0005	-.0015	-.0017	.1108	-.0013	.0000

#	Sample Name	Mg	Mn	Mo	Na	Nd	Ni
1	ICV	4.883	4.884	5.046	4.931	5.065	4.940
2	ICB	.0063	-.0001	-.0023	-.0021	.0009	.0031
3	LLS	.2054	.0194	.0989	.2103	.1977	.0491
4	ICSA	249.3	-.0067	-.0085	197.1	.0019	-.0015
5	ICSAB	249.5	.4531	-.0091	195.6	.0039	.9416
6	S96T002140_L	-17.82	-.3356	78.62	219200.	-7.110	18.77
7	S96T002140_	-.0148	.9547	86.28	216800.	-1.560	15.51
8	S96T002140_D	-2.415	.9429	84.44	214900.	.0024	15.30
9	S969T00214U_A	579.0	575.3	693.7	216500.	612.3	610.6
10	CCV	4.901	4.900	5.059	4.924	5.074	4.973
11	CCB	-.0080	-.0005	-.0015	-.0081	-.0047	.0049
12	S96T002141_L	5.014	-.3155	91.43	238200.	.9348	14.42
13	S96T002141_	-.6925	1.148	93.08	233600.	-.3951	16.84
14	S96T002141_D	1.588	1.048	92.80	233300.	.7723	15.30
15	S96T002141_A	577.3	573.2	698.1	222300.	606.5	599.8
16	S96T002142_L	19.76	.2114	85.55	227100.	-2.165	4.395
17	S96T002142_	1.799	.9398	84.32	222500.	.6472	18.77
18	S96T002142_D	2.369	.8193	82.54	219200.	.3595	13.51
19	S96T002142_A	578.7	572.6	689.3	220100.	605.4	612.1
20	ICSA	249.9	-.0066	-.0090	196.2	.0006	-.0012
21	ICSAB	249.4	.4499	-.0104	195.1	.0041	.9148
22	CCV_1	4.892	4.890	5.039	4.898	5.040	4.968
23	CCB_1	.0017	-.0004	-.0000	-.0077	-.0001	-.0015

Analysis Report Averages Tue 05-21-96 01:59:06 PM page 4

#	Sample Name	P	Pb	S	Sb	Se	Si
1	ICV	4.920	4.928	4.959	4.807	4.885	4.751
2	ICB	.0005	-.0190	-.0004	-.0152	.0323	-.0011
3	LLS	.4016	.2078	.1959	.0878	.2268	.1459
4	ICSA	.0227	.0182	-.0214	-.0117	-.0639	-.0066
5	ICSAB	.0129	1.014	-.0257	-.0067	-.0441	-.0027
6	S96T002140_L	1199.	-36.02	2348.	-23.85	88.32	271.3
7	S96T002140_	1233.	2.730	2379.	-10.05	14.10	193.8
8	S96T002140_D	1229.	8.366	2344.	-10.11	27.94	179.6
9	S969T00214U_A	1824.	600.7	2987.	579.4	606.7	782.6
10	CCV	4.765	4.967	4.918	4.810	4.897	4.788
11	CCB	-.0070	-.0156	.0041	-.0050	.0212	.0031
12	S96T002141_L	1235.	4.763	2582.	-36.27	104.8	266.0
13	S96T002141_	1213.	10.21	2591.	-7.582	17.37	111.6
14	S96T002141_D	1207.	1.313	2568.	-7.367	29.82	111.0
15	S96T002141_A	1692.	596.8	3029.	570.4	610.6	674.8
16	S96T002142_L	1161.	-2.494	2429.	-26.00	113.2	379.4
17	S96T002142_	1172.	9.404	2427.	-5.437	26.23	271.1
18	S96T002142_D	1150.	6.139	2416.	-11.18	28.56	262.5
19	S96T002142_A	1663.	608.5	2996.	576.2	621.4	878.7
20	ICSA	.0270	.0211	-.0349	-.0087	-.0504	.0026
21	ICSAB	.0003	1.010	-.0308	-.0052	-.0163	.0039
22	CCV_1	4.725	4.950	4.933	4.817	4.898	4.776
23	CCB_1	-.0093	-.0015	-.0077	-.0133	.0282	.0045

#	Sample Name	Sm	Sr	Th	Ti	Tl	U
1	ICV	4.905	4.968	-.0160	4.912	4.817	9.772
2	ICB	-.0074	-.0001	.0053	.0005	-.0171	-.0326
3	LLS	.2004	.0205	.0013	.0197	.4228	.4864
4	ICSA	-.0139	.0014	.0066	.0008	-.0101	-.0493
5	ICSAB	-.0052	.0015	.0020	.0010	-.0030	-.0364
6	S96T002140_L	-39.93	-.4657	20.64	-2.050	-12.28	-210.3
7	S96T002140_	-9.445	-.0315	1.061	-.2792	1.876	-42.08
8	S96T002140_D	-8.780	-.0349	1.363	-.2973	1.375	-2.357
9	S969T00214U_A	585.0	600.0	1.566	592.6	584.1	1149.
10	CCV	4.918	4.977	-.0017	4.933	4.805	9.806
11	CCB	-.0148	-.0001	.0057	-.0004	.0039	-.0675
12	S96T002141_L	-29.62	-.3106	13.14	.0904	-22.66	-155.2
13	S96T002141_	-4.033	.0628	2.090	.0145	2.287	-22.96
14	S96T002141_D	-4.592	.0619	1.604	-.1400	-.2190	-11.11
15	S96T002141_A	581.6	595.0	1.902	588.4	556.7	1140.
16	S96T002142_L	-24.46	-.3126	30.28	-1.298	-27.31	-135.1
17	S96T002142_	-2.437	.0308	7.076	.0382	5.956	-24.36
18	S96T002142_D	-7.657	.0004	3.096	.1682	-1.797	-40.98
19	S96T002142_A	578.9	592.4	.9047	588.3	566.5	1149.
20	ICSA	-.0115	.0015	.0117	.0005	.0059	-.0485
21	ICSAB	-.0071	.0014	.0081	.0013	.0004	-.0509
22	CCV_1	4.879	4.950	-.0068	4.894	4.803	9.764
23	CCB_1	-.0139	-.0001	.0064	-.0002	-.0087	-.0628

#	Sample Name	V	Y	Zn	Zr
1	ICV	5.028	.0054	5.015	4.950
2	ICB	-.0014	-.0001	-.0013	-.0007
3	LLS	.1033	.0002	Q.0199	.0196
4	ICSA	-.0017	.0061	-.0012	-.0055
5	ICSAB	.4786	.0067	.9794	-.0040
6	S96T002140_L	-8.605	-1.795	15.39	-8.842
7	S96T002140_	-1.368	-.3591	18.56	-1.152
8	S96T002140_D	-1.548	-.4231	18.64	-1.435
9	S969T002140_A	602.7	.2653	626.3	597.7
10	CCV	5.044	.0056	5.030	4.960
11	CCB	-.0028	-.0007	-.0019	-.0028
12	S96T002141_L	-8.709	-1.348	11.85	-6.211
13	S96T002141_	-.1996	-.1787	17.22	-1.050
14	S96T002141_D	-.8822	-.2780	16.53	-1.026
15	S96T002141_A	600.8	.3166	622.6	593.4
16	S96T002142_L	-6.568	-1.356	16.43	-6.471
17	S96T002142_	-.9706	-.2252	18.31	-1.211
18	S96T002142_D	-1.260	-.3595	18.01	-1.310
19	S96T002142_A	600.9	.5482	624.9	591.7
20	ICSA	-.0010	.0063	-.0004	-.0052
21	ICSAB	.4760	.0062	.9724	-.0047
22	CCV_1	5.030	.0056	5.031	4.936
23	CCB_1	-.0027	-.0007	-.0010	-.0022

DK Lad
05-21-96

LABCORE Data Entry Template for Worklist# 8713

Analyst: B. GOECKE **Instrument:** ~~ICP01~~ ICP02 **Book#** 56B484

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

Worklist Comment: ICP U-107 (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	S96T001877	0	A	@ICP-A01	SOLID		
9	SAMPLE	S96T001877	0	A	@ICP-A01	SOLID	96000422	U-107
	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						
10	DUP	S96T001877	0	A	@ICP-A01	SOLID		
11	SPK-PREDIG	S96T001877	0	A	@ICP-A01	SOLID		
12	CCV				@ICP-QC	QC		
13	CCB				@ICP-QC	QC		
14	SERDIL	S96T001878	0	A	@ICP-A01	SOLID		
15	SAMPLE	S96T001878	0	A	@ICP-A01	SOLID	96000422	U-107
	Analytes Requested:	AG-A-01 , AL-A-01 , AS-A-01 , B-A-01 , BA-A-01 ,						

Data Entry Comments: Sample result calculation:

S96T001877 $Ca = 1.232 \frac{ug}{ml} \times \frac{1}{5.274 \frac{g}{L} \times \frac{1L}{1000ml}} = 2.34e+2 \frac{ug}{g}$

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

Note: $5.274 \frac{g}{L}$ is sample prep dilution factor which can be found in sample prep worklist.

LABCORE Data Entry Template for Worklist# 8713

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	S96T001878	0	A	@ICP-A01	SOLID		
17	SERDIL	S96T002161	0	A	@ICP-A01	SOLID		
18	SAMPLE	S96T002161	0	A	@ICP-A01	SOLID	96000422	U-107
		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			
19	DUP	S96T002161	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 # 8713

Analyst Signature	Date	D.F.
[illegible]	6-10-96	
PREPSTD TJA	DIRECT	1
PREPBLK TJA	DIRECT	1
S96T001877-L	4-L 6-L - 2-L 8-L	12.5
1877	4-L-6-L	2.5
1877-D	4-L-6-L	2.5
1877-S	4-L-6-L	2.5

Reviewed by:

Analyst Signature	Date	D.F.
Saul M. Parry	6/12/96	
S96T001878-L	4-L-6-L-2-L-8-L	12.5
1878	4-L-6-L	2.5
1878-D	4-L-6-L	2.5
S96T002161-L	4-L-6-L-2-L-8-L	12.5
2161	4-L-6-L	2.5
2161-D	4-L-6-L	2.5

Data Entry Comments: Spike recovery calculation:

S96T001877 $Ca = \frac{5.895 - 1.232}{5} \times 100 = 93.32\%$

628

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

Note: Spike true value is 5.0 ppm on all elements except for Ag = 1.0 and U = 10.0 ppm.

Analysis Report Summary Mon 06-10-96 02:59:54 PM page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	ICV	960610B	ICP2	06/10/96	13:44	BJG	Q	CONC
2	ICB	960610B	ICP2	06/10/96	13:47	BJG	Q	CONC
3	LLS	960610B	ICP2	06/10/96	13:50	BJG	Q	CONC
4	ICSA	960610B	ICP2	06/10/96	13:53	BJG	Q	CONC
5	ICSAB	960610B	ICP2	06/10/96	13:56	BJG	Q	CONC
6	PREPSTDTJA	960610B	ICP2	06/10/96	13:59	BJG	S	CONC
7	PREPBLKTJA	960610B	ICP2	06/10/96	14:03	BJG	S	CONC
8	S96T001877_L	960610B	ICP2	06/10/96	14:08	BJG	S	CONC
9	S96T001877	960610B	ICP2	06/10/96	14:11	BJG	S	CONC
10	S96T001877	960610B	ICP2	06/10/96	14:14	BJG	S	CONC
11	S96T001877_S	960610B	ICP2	06/10/96	14:17	BJG	S	CONC
12	CCV	960610B	ICP2	06/10/96	14:21	BJG	Q	CONC
13	CCB	960610B	ICP2	06/10/96	14:25	BJG	Q	CONC
14	S96T001878_L	960610B	ICP2	06/10/96	14:28	BJG	S	CONC
15	S96T001878	960610B	ICP2	06/10/96	14:31	BJG	S	CONC
16	S96T001878_D	960610B	ICP2	06/10/96	14:34	BJG	S	CONC
17	S96T002161_L	960610B	ICP2	06/10/96	14:38	BJG	S	CONC
18	S96T002161	960610B	ICP2	06/10/96	14:41	BJG	S	CONC
19	S96T002161_D	960610B	ICP2	06/10/96	14:44	BJG	S	CONC
20	ICSA	960610B	ICP2	06/10/96	14:47	BJG	Q	CONC
21	ICSAB	960610B	ICP2	06/10/96	14:50	BJG	Q	CONC
22	CCV	960610B	ICP2	06/10/96	14:53	BJG	Q	CONC
23	CCB	960610B	ICP2	06/10/96	14:56	BJG	Q	CONC

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 629 TO 633.

BJ Goel
6-10-96
U-107 ACID DIGEST
S96T001877, 1878, 2161
4 of 6
FILE # 0960610B.TXT

Analysis Report Averages Mon 06-10-96 02:59:54 PM page 2

#	Sample Name	Ag	Al	As	B	Ba	Be
1	ICV	4.957	4.874	5.134	4.961	5.001	5.169
2	ICB	-.0004	.0146	-.0057	.0035	.0001	.0002
3	LLS	.0199	.1058	.2071	.1004	.0986	.0105
4	ICSA	.0008	237.5	-.0565	-.0021	.0031	.0003
5	ICSAB	.9745	239.3	-.0564	-.0048	.4918	.4874
6	PREPSTDTJA	.7770	3.953	4.067	4.061	4.118	4.507
7	PREPBLKTJA	-.0010	.0509	.0025	.0357	.0011	.0001
8	S96T001877_L	.0703	8.396	-.0142	.2727	.0021	.0010
9	S96T001877	.0853	8.039	-.0144	.1931	.0036	.0000
10	S96T001877	.0830	7.766	-.0356	.1953	.0042	.0001
11	S96T001877_S	1.005	13.36	4.728	4.939	4.605	4.693
12	CCV	5.021	4.929	5.212	4.999	5.115	5.240
13	CCB	.0004	.0053	.0041	.0026	-.0001	.0001
14	S96T001878_L	.0950	10.68	.0106	.4524	.0035	.0005
15	S96T001878	.0875	10.01	-.0063	.4319	.0036	.0003
16	S96T001878_D	.0892	10.79	-.0166	.4253	.0032	.0001
17	S96T002161_L	.0680	27.47	-.0935	.4161	.0043	.0014
18	S96T002161	.0729	26.60	-.0306	.4107	.0040	.0004
19	S96T002161_D	.0787	27.76	-.0727	.2112	.0037	.0005
20	ICSA	.0006	241.5	-.0831	.0031	.0030	.0003
21	ICSAB	.9829	243.1	-.0599	.0045	.5010	.4924
22	CCV	4.951	4.874	5.132	4.989	5.041	5.197
23	CCB	-.0001	.0080	-.0001	.0056	.0000	.0001

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
1	ICV	5.088	5.184	5.016	5.147	5.028	5.097
2	ICB	-.0136	.0011	-.0009	.0007	-.0014	.0008
3	LLS	.2014	.2416	.0103	.2095	.0425	.0226
4	ICSA	-.0099	254.3	-.0003	.0172	.0012	.0023
5	ICSAB	-.0193	257.4	.9625	.0112	.4733	.4869
6	PREPSTDTJA	3.924	4.927	3.871	4.305	3.997	3.974
7	PREPBLKTJA	-.0016	.9281	.0095	.0082	-.0011	.0025
8	S96T001877_L	-.1139	1.280	-.0083	.0087	-.0158	2.270
9	S96T001877	-.0576	1.232	.0047	-.0021	-.0018	2.167
10	S96T001877	.0194	1.036	.0053	.0037	.0016	2.085
11	S96T001877_S	4.683	5.898	4.526	4.858	4.607	6.815
12	CCV	5.173	5.301	5.085	5.212	5.092	5.172
13	CCB	-.0051	-.0022	-.0002	-.0016	-.0010	-.0006
14	S96T001878_L	.2152	1.501	.0135	-.0351	-.0091	2.231
15	S96T001878	.0616	1.354	.0059	.0200	.0010	2.128
16	S96T001878_D	.0293	.8570	.0043	.0084	-.0015	2.244
17	S96T002161_L	-.3073	.9185	.0068	.0904	.0295	2.380
18	S96T002161	-.0187	.8905	.0055	.0142	.0039	2.295
19	S96T002161_D	-.0120	.7683	.0023	.0084	.0050	2.035
20	ICSA	-.0011	256.6	-.0009	.0154	-.0006	.0010
21	ICSAB	-.0003	257.0	.9595	.0212	.4737	.4882
22	CCV	5.110	5.180	4.980	5.146	4.989	5.072
23	CCB	.0207	.0002	-.0007	.0003	-.0020	.0006

Analysis Report Averages Mon 06-10-96 02:59:54 PM page 3

#	Sample Name	Cu	Eu	Fe	K	La	Li
1	ICV	5.144	-.0035	5.104	4.845	5.053	4.957
2	ICB	.0002	-.0012	.0018	.1822	-.0001	-.0008
3	LLS	.0213	-.0001	.1043	Q.6398	.1009	.0207
4	ICSA	-.0104	-.0536	93.31	.2690	-.0052	.0033
5	ICSAB	.4881	-.0534	94.22	.3035	-.0065	.9721
6	PREPSTDTJA	4.033	-.0051	4.039	3.830	4.188	4.205
7	PREPBLKTJA	.0114	-.0031	.0515	.2873	.0002	-.0037
8	S96T001877_L	.0079	-.0112	.3819	4.088	-.0084	-.0073
9	S96T001877	.0135	-.0053	.3764	2.169	.0026	-.0044
10	S96T001877	.0146	-.0044	.3610	2.678	.0036	-.0023
11	S96T001877_S	4.500	-.0062	4.940	6.566	4.715	4.574
12	CCV	5.211	-.0039	5.184	4.867	5.138	4.999
13	CCB	.0000	-.0014	.0014	-.0689	-.0017	-.0009
14	S96T001878_L	.0309	-.0278	.2867	4.867	.0027	-.0174
15	S96T001878	.0214	-.0050	.2668	2.867	.0032	-.0049
16	S96T001878_D	.0096	-.0053	.2706	2.745	.0021	-.0046
17	S96T002161_L	.0475	-.0156	5.218	4.647	-.0007	-.0102
18	S96T002161	.0365	-.0059	5.001	4.059	.0030	-.0029
19	S96T002161_D	.0225	-.0061	4.961	4.004	.0019	-.0029
20	ICSA	-.0111	-.0554	94.33	.2223	-.0048	.0032
21	ICSAB	.4989	-.0508	94.68	.4579	-.0049	1.000
22	CCV	5.189	-.0040	5.089	4.675	5.062	5.044
23	CCB	.0009	-.0018	.0023	.2281	-.0003	-.0012

#	Sample Name	Mg	Mn	Mo	Na	Nd	Ni
1	ICV	4.857	4.928	5.047	4.909	5.097	5.024
2	ICB	-.0011	.0001	.0032	-.0043	-.0009	.0028
3	LLS	.2020	.0198	.1013	.2081	.1968	.0327
4	ICSA	238.4	-.0065	-.0116	193.5	.0023	.0033
5	ICSAB	240.2	.4544	-.0054	195.8	.0024	.9341
6	PREPSTDTJA	3.868	3.860	3.974	4.396	4.162	3.996
7	PREPBLKTJA	.1225	.0007	.0015	.1960	-.0002	.0269
8	S96T001877_L	.0213	.1662	.0355	1278.	-.0235	-.0256
9	S96T001877	.1100	.1576	.0313	1218.	.0091	.0170
10	S96T001877	.1253	.1467	.0313	1166.	.0137	.0256
11	S96T001877_S	4.376	4.528	4.584	1293.	4.648	4.618
12	CCV	4.903	5.005	5.116	4.954	5.167	5.087
13	CCB	-.0149	.0000	.0009	-.0065	-.0034	-.0038
14	S96T001878_L	.1117	.0857	.0410	1297.	.0341	.0865
15	S96T001878	.1321	.0855	.0424	1219.	.0150	.0132
16	S96T001878_D	.0770	.0862	.0416	1263.	.0071	.0157
17	S96T002161_L	.1244	.2057	.0871	1078.	.0094	.0594
18	S96T002161	.1233	.1989	.0921	1048.	.0081	.0335
19	S96T002161_D	.1251	.1300	.0925	1105.	.0143	.0319
20	ICSA	242.7	-.0069	-.0094	196.4	.0042	-.0121
21	ICSAB	243.8	.4544	-.0141	200.2	.0003	.9376
22	CCV	4.878	4.904	5.029	4.938	5.114	4.996
23	CCB	.0077	.0000	-.0007	-.0073	-.0001	-.0012

Analysis Report Averages Mon 06-10-96 02:59:54 PM page 4

#	Sample Name	P	Pb	S	Sb	Se	Si
1	ICV	5.014	5.008	4.888	4.767	4.937	4.676
2	ICB	.0546	.0032	-.0048	.0005	.0504	-.0003
3	LLS	.4553	.2242	.1802	.1112	Q.2566	.1262
4	ICSA	.1124	.0468	.0098	.0165	-.0197	.0059
5	ICSAB	.0782	1.033	.0196	-.0017	-.0095	.0072
6	PREPSTDTJA	4.208	3.699	3.899	4.018	3.875	3.904
7	PREPBLKTJA	.0877	.0072	.1314	.0072	.0511	.0310
8	S96T001877_L	4.256	.1648	.8752	.0793	.7465	1.000
9	S96T001877_	3.528	.0990	.9047	.0256	.1394	.9600
10	S96T001877	5.084	.0512	.8988	.0244	.1277	.9602
11	S96T001877_S	9.544	4.777	5.439	4.717	4.560	6.057
12	CCV	5.116	5.073	4.948	4.842	5.008	4.801
13	CCB	.0454	.0040	-.0049	.0037	.0645	.0280
14	S96T001878_L	4.180	.2448	1.175	.0999	.5163	.8156
15	S96T001878_	3.551	.2006	1.226	-.0079	.1536	.6925
16	S96T001878_D	3.391	.2024	1.286	.0099	.1494	.6971
17	S96T002161_L	6.548	1.002	2.674	.0212	.6294	1.784
18	S96T002161_	5.882	.9614	2.755	.0195	.1834	1.593
19	S96T002161_D	5.885	.0938	2.786	.0043	.2028	1.657
20	ICSA	.0610	.0431	.0124	.0039	-.0080	.0295
21	ICSAB	.0739	1.025	.0169	-.0025	-.0135	.0178
22	CCV	5.032	4.967	4.870	4.772	4.940	4.706
23	CCB	.0487	.0085	-.0101	.0059	.0716	.0210

#	Sample Name	Sm	Sr	Th	Ti	Tl	U
1	ICV	4.919	4.989	.0306	4.890	4.864	9.687
2	ICB	-.0105	-.0001	.0085	-.0007	.0309	-.0495
3	LLS	.2067	.0202	.0005	.0206	.4201	.5024
4	ICSA	-.0117	-.0026	.0221	.0020	.0041	-.0578
5	ICSAB	-.0122	-.0024	.0247	.0013	.0117	-.0740
6	PREPSTDTJA	4.082	4.107	.0187	3.807	3.787	7.985
7	PREPBLKTJA	-.0525	.0007	.0174	.0010	.0394	-.1906
8	S96T001877_L	-.1175	.0007	.0835	-.0025	.1491	-.5659
9	S96T001877_	-.0632	.0021	.0334	.0031	.0725	-.1899
10	S96T001877	-.0545	.0021	.0301	.0001	.0611	-.1216
11	S96T001877_S	4.560	4.581	.0568	4.301	4.396	8.853
12	CCV	5.010	5.064	.0194	4.952	4.932	9.842
13	CCB	-.0127	-.0001	.0057	-.0002	.0120	-.0537
14	S96T001878_L	-.2982	-.0013	.0963	-.0024	.3914	-1.250
15	S96T001878_	-.0667	.0021	.0354	.0019	.1215	-.2100
16	S96T001878_D	-.0631	.0016	.0264	.0019	.0277	-.2226
17	S96T002161_L	-.1238	.0000	.1024	.0065	.2966	-.6199
18	S96T002161_	-.0580	.0021	.0443	.0032	.0498	-.1499
19	S96T002161_D	-.0608	.0017	.0326	.0282	.0672	-.1880
20	ICSA	-.0146	-.0026	.0235	.0015	.0014	-.0717
21	ICSAB	-.0219	-.0025	.0216	.0011	-.0020	-.0836
22	CCV	4.938	5.007	.0209	4.882	4.914	9.732
23	CCB	-.0166	-.0001	.0099	.0001	.0071	-.0809

#	Sample Name	V	Y	Zn	Zr
1	ICV	5.020	.0058	5.031	4.936
2	ICB	-.0021	-.0004	.0014	-.0016
3	LLS	.1018	.0006	.0223	.0208
4	ICSA	-.0017	.0066	-.0026	-.0061
5	ICSAB	.4747	.0067	.9744	-.0061
6	PREPSTDTJA	3.974	.0023	3.735	4.304
7	PREPBLKTJA	-.0092	-.0024	.0210	-.0066
8	S96T001877_L	-.0217	-.0046	.1232	-.0143
9	S96T001877	-.0120	-.0023	.0883	-.0050
10	S96T001877	-.0085	-.0013	.0888	-.0022
11	S96T001877_S	4.513	.0045	4.535	4.870
12	CCV	5.097	.0062	5.091	5.013
13	CCB	-.0019	-.0006	.0009	-.0017
14	S96T001878_L	-.0607	-.0132	.1634	-.0404
15	S96T001878	-.0106	-.0023	.1147	-.0077
16	S96T001878_D	-.0101	-.0023	.0817	-.0070
17	S96T002161_L	-.0316	-.0046	.1754	-.0246
18	S96T002161	-.0091	-.0019	.1397	-.0052
19	S96T002161_D	-.0094	-.0023	.1237	-.0051
20	ICSA	-.0029	.0065	-.0016	-.0066
21	ICSAB	.4750	.0062	.9757	-.0073
22	CCV	5.014	.0054	5.009	4.926
23	CCB	-.0035	-.0007	.0002	-.0027

FILE# S605208.DAT

LABCORE Data Entry Template for Worklist# 8934

Analyst: B. Goecke **Instrument:** ICP01 _____ **Book#** 53848B

Method: LA-505-151/~~161~~ 5-20-96 Rev/Mod D-3

Worklist Comment: ICP U-107 (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	PREPSTDARL				@ICP-A01	SOLID		
7	PREPBLKARL				@ICP-A01	SOLID		
8	SERDIL	S96T002284	0	A	@ICP-A01	SOLID		
9	SAMPLE	S96T002284	0	A	@ICP-A01	SOLID	96000126	U-107
	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					
10	DUP	S96T002284	0	A	@ICP-A01	SOLID		
11	SPK-PREDIG	S96T002284	0	A	@ICP-A01	SOLID		
12	CCV				@ICP-QC	QC		
13	CCB				@ICP-QC	QC		
14	SERDIL	S96T002285	0	A	@ICP-A01	SOLID		
15	SAMPLE	S96T002285	0	A	@ICP-A01	SOLID	96000126	U-107
	Analytes Requested:				AG-A-01 , AL-A-01 , AS-A-01 , B-A-01 , BA-A-01 ,			

Data Entry Comments: Sample prep dilution factor can be found in sample prep worklist. Example for calculation of sample results:

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

634

S96T002284 $C_r = 4.018 \frac{ug}{ml} \times \frac{1}{5.58 \frac{g}{L} \times \frac{1L}{1000 ml}} = 7.20e+2 \frac{ug}{g}$

LABCORE Data Entry Template for Worklist# 8934

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	S96T002285	0	A	@ICP-A01	SOLID		
17	SERDIL	S96T002286	0	A	@ICP-A01	SOLID		
18	SAMPLE	S96T002286	0	A	@ICP-A01	SOLID	96000126	U-107
		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			
19	DUP	S96T002286	0	A	@ICP-A01	SOLID		
20	SERDIL	S96T002287	0	A	@ICP-A01	SOLID		
21	SAMPLE	S96T002287	0	A	@ICP-A01	SOLID	96000126	U-107
		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			
22	DUP	S96T002287	0	A	@ICP-A01	SOLID		
23	CCV				@ICP-QC	QC		
24	CCB				@ICP-QC	QC		
25	SERDIL	S96T002288	0	A	@ICP-A01	SOLID		
26	SAMPLE	S96T002288	0	A	@ICP-A01	SOLID	96000126	U-107
		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 ,			

Data Entry Comments: Sample prep spike this batch w/ 10 ppm but the bulk QC for a pre-digestion spike is 5 ppm. The prep standard and the spike recovery were re-calculated and entered in Labcore. ~~as~~ The raw data for prep standard and spike ~~recovery~~ sample will not be the same as the final printed report. Example for spike recovery results : $C_r = \frac{13.627 - 4.018}{10} \times 100 = 9.61\ \%$

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

C35

LABCORE Data Entry Template for Worklist# 8934

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
					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			
27	DUP	S96T002288	0	A	@ICP-A01	SOLID		
	SPK - PREDIG	S96T002288						
28	ICSA				@ICP-QC	QC		
29	ICSAB				@ICP-QC	QC		
30	CCV				@ICP-QC	QC		
31	CCB				@ICP-QC	QC		

Final page for worklist # 8934

Reviewed by:

5-20-96 — Analyst Signature — Date

5/21/96 — Analyst Signature — Date

		D.F.
PREPSTD ANL	DIRECT	1
PREPBLK ANL	DIRECT	1
S96T002284-L	2nL-8nL - 2nL-8nL	25
84	2nL-8nL	5
84-D	2nL-8nL	5
84-S	2nL-8nL	5
S96T002285-L	2nL-8nL - 2nL-8nL	25
85	2nL-8nL	5
85-D	2nL-8nL	5
S96T002286-L	2nL-8nL - 2nL-8nL	25
86	2nL-8nL	5
86-D	2nL-8nL	5
S96T002287-L	2nL-8nL - 2nL-8nL	25
87	2nL-8nL	5
87-D	2nL-8nL	5
S96T002288-L	2nL-8nL - 2nL-8nL	25
88	2nL-8nL	5
88-D	2nL-8nL	5
88-S	2nL-8nL	5

Data Entry Comments:

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

Identity 1: ICV Identity 2: Quality Control 1:40 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	4.941	4.956	5.008	4.730	4.938	5.073	5.020	5.024
S.D.	0.010	0.014	0.028	0.006	0.016	0.013	0.016	0.019
% R.S.D.	0.196	0.274	0.562	0.132	0.333	0.254	0.323	0.378

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	5.134	5.051	4.985	5.115	4.961	5.090	5.050	10.021
S.D.	0.012	0.019	0.018	0.010	0.015	0.013	0.015	0.006
% R.S.D.	0.243	0.370	0.363	0.192	0.306	0.258	0.299	0.062

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	5.009	5.022	4.977	5.054	5.044	4.897	5.122	4.958
S.D.	0.015	0.010	0.015	0.057	0.044	0.009	0.026	0.017
% R.S.D.	0.299	0.197	0.295	1.137	0.876	0.175	0.503	0.348

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	5.047	5.933	5.004	5.043	4.893	5.048	5.096	5.125
S.D.	0.006	0.021	0.010	0.017	0.011	0.009	0.014	0.005
% R.S.D.	0.127	0.358	0.200	0.340	0.235	0.178	0.271	0.105

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	5.078	4.749	5.050	5.176	4.881
S.D.	0.011	0.046	0.011	0.013	0.001
% R.S.D.	0.222	0.973	0.218	0.261	0.022

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 637 TO 638.

5-20-96

U-107 ACID DIGEST

S96T00 2284-88

FILE # 9605208.DAT

Identity 1: ICB Identity 2: Quality Control 1:43 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	0.002	0.001	0.011	-0.001	-0.008	0.003	0.000	0.001
S.D.	0.002	0.001	0.010	0.004	0.007	0.002	0.001	0.001
% R.S.D.	100.863	70.780	96.990	690.119	83.604	57.837	344.429	91.975

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.002	0.002	-0.003	-0.002	0.002	-0.001	-0.013	0.060
S.D.	0.001	0.002	0.001	0.001	0.001	0.001	0.006	0.043
% R.S.D.	59.605	96.472	24.489	39.427	25.414	117.539	46.952	72.148

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-0.022	-0.002	0.001	0.017	0.000	0.003	0.009	-0.005
S.D.	0.014	0.006	0.001	0.011	0.001	0.001	0.006	0.004
% R.S.D.	60.797	250.302	76.117	62.836	8990.218	23.521	63.321	76.378

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	-0.002	-0.015	-0.007	0.026	0.001	0.002	0.003	-0.015
S.D.	0.001	0.026	0.002	0.014	0.001	0.001	0.002	0.010
% R.S.D.	80.870	168.025	24.035	54.569	77.154	62.877	49.268	71.319

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.002	-0.076	0.000	0.001	0.017
S.D.	0.001	0.050	0.001	0.001	0.029
% R.S.D.	56.331	65.931	243.988	78.853	163.508

Identity 1: LLS Identity 2: Quality Control 1:46 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	0.018	0.020	0.197	0.132	0.104	0.042	0.021	0.020
S.D.	0.002	0.000	0.015	0.001	0.007	0.000	0.000	0.000
% R.S.D.	10.333	0.348	7.453	0.945	6.966	0.021	2.376	0.977

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.022	0.038	0.098	0.107	0.213	0.018	0.189	0.397
S.D.	0.000	0.004	0.002	0.001	0.001	0.000	0.012	0.068
% R.S.D.	1.503	9.785	1.650	1.205	0.582	1.684	6.480	17.029

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	0.197	0.160	0.100	0.414	0.197	0.195	0.201	0.207
S.D.	0.021	0.013	0.000	0.009	0.001	0.001	0.005	0.004
% R.S.D.	10.571	8.428	0.309	2.257	0.381	0.288	2.632	1.819

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	0.099	0.144	0.008	0.216	0.019	0.012	0.104	0.495
S.D.	0.001	0.004	0.001	0.010	0.001	0.001	0.001	0.019
% R.S.D.	0.731	2.833	15.611	4.572	2.736	9.788	0.518	3.923

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.020	0.130	0.100	0.010	0.404
S.D.	0.000	0.021	0.001	0.000	0.036
% R.S.D.	1.498	16.001	0.511	1.457	8.874

Identity 1: ICSA Identity 2: Quality Control 1:50 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	0.003	0.001	-0.001	0.019	201.626	0.004	-0.001	-0.001
S.D.	0.001	0.000	0.015	0.005	0.267	0.002	0.001	0.000
% R.S.D.	20.452	2.839	1593.442	24.039	0.133	52.942	80.111	30.747

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	-0.006	0.001	0.001	97.362	103.700	0.002	-0.062	0.160
S.D.	0.000	0.002	0.001	0.179	0.102	0.002	0.002	0.025
% R.S.D.	7.588	226.466	61.853	0.184	0.099	95.760	3.660	15.905

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-0.030	0.029	0.002	0.035	0.074	103.122	0.082	190.683
S.D.	0.009	0.004	0.000	0.001	0.008	0.145	0.003	0.276
% R.S.D.	29.333	15.153	5.234	3.118	11.443	0.141	3.120	0.145

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	-0.005	-0.034	-0.011	-0.016	0.001	-0.000	0.013	0.041
S.D.	0.002	0.012	0.001	0.010	0.001	0.001	0.001	0.016
% R.S.D.	48.532	33.635	6.420	59.760	47.865	519.532	9.406	38.477

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.004	0.027	-0.002	0.003	-0.030
S.D.	0.000	0.026	0.001	0.000	0.011
% R.S.D.	9.777	95.481	34.598	8.682	35.617

Identity 1: ICSA8 Identity 2: Quality Control 1:54 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	-0.004	0.002	-0.029	0.018	199.264	0.492	0.505	0.956
S.D.	0.001	0.000	0.009	0.008	0.517	0.003	0.001	0.004
% R.S.D.	25.536	4.619	30.993	44.993	0.260	0.690	0.248	0.436

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	1.003	0.985	0.003	97.370	104.204	0.506	-0.051	-0.019
S.D.	0.001	0.005	0.004	0.051	0.252	0.004	0.005	0.036
% R.S.D.	0.136	0.499	135.308	0.053	0.242	0.713	10.770	186.496

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-0.013	0.010	0.514	0.020	0.066	102.525	0.091	192.103
S.D.	0.006	0.005	0.002	0.007	0.014	0.090	0.001	0.663
% R.S.D.	42.321	55.435	0.316	36.542	21.261	0.087	0.705	0.345

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	-0.005	0.085	1.017	0.947	-0.001	1.002	0.013	-0.047
S.D.	0.003	0.014	0.002	0.021	0.000	0.004	0.001	0.016
% R.S.D.	61.630	16.329	0.199	2.182	62.607	0.357	5.764	33.191

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.510	-0.022	0.497	0.507	-0.010
S.D.	0.001	0.018	0.001	0.002	0.012
% R.S.D.	0.182	80.758	0.249	0.354	125.071

Identity 1: prepstdarl Identity 2: direct 1:58 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	9.638	8.842	8.700	12.059	8.930	9.156	8.543	8.734
S.D.	0.033	0.036	0.016	0.021	0.026	0.015	0.041	0.055
% R.S.D.	0.345	0.411	0.180	0.177	0.286	0.162	0.476	0.631

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	8.783	9.138	9.002	9.088	9.147	9.052	8.911	18.120
S.D.	0.015	0.014	0.041	0.024	0.037	0.006	0.056	0.093
% R.S.D.	0.170	0.152	0.452	0.262	0.409	0.070	0.624	0.511

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	9.149	9.055	8.907	9.347	9.042	8.816	9.076	9.694
S.D.	0.043	0.042	0.041	0.244	0.090	0.009	0.057	0.051
% R.S.D.	0.469	0.464	0.456	2.609	0.993	0.099	0.629	0.526

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	8.962	10.323	1.729	8.700	8.395	8.860	9.712	9.850
S.D.	0.012	0.052	0.003	0.044	0.027	0.015	0.046	0.057
% R.S.D.	0.134	0.507	0.192	0.509	0.316	0.166	0.478	0.581

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	9.042	9.019	8.949	9.791	8.421
S.D.	0.004	0.010	0.017	0.043	0.026
% R.S.D.	0.043	0.114	0.192	0.442	0.313

Identity 1: prepblkarl Identity 2: direct 2:11 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	-0.002	0.001	0.006	0.090	0.053	0.003	0.019	0.000
S.D.	0.001	0.000	0.007	0.001	0.004	0.002	0.001	0.000
% R.S.D.	74.987	10.911	115.405	1.326	8.045	57.676	3.262	75.522

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.020	0.001	-0.002	0.047	0.435	0.001	0.009	-0.031
S.D.	0.001	0.003	0.001	0.004	0.001	0.001	0.007	0.056
% R.S.D.	3.347	254.726	60.008	8.777	0.327	150.657	77.874	181.263

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-0.007	-0.025	0.001	0.000	0.084	0.080	-0.009	0.607
S.D.	0.015	0.011	0.000	0.007	0.003	0.000	0.003	0.003
% R.S.D.	220.747	45.214	19.924	28717.767	3.652	0.350	34.196	0.469

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	-0.003	-0.046	-0.009	-0.010	-0.000	0.003	0.378	0.529
S.D.	0.002	0.002	0.000	0.002	0.000	0.000	0.002	0.034
% R.S.D.	60.298	3.879	3.973	20.857	130.062	13.703	0.432	6.499

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.002	-0.019	-0.002	-0.000	0.035
S.D.	0.000	0.049	0.001	0.000	0.020
% R.S.D.	10.232	255.784	33.631	157.521	56.225

Identity 1: S96T002284_L Identity 2: 2ml-8ml-2ml-8ml 2:15 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 25.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	-0.054	0.002	-0.386	1.143	14.458	0.142	0.016	0.008
S.D.	0.017	0.003	0.169	0.018	0.132	0.049	0.001	0.005
% R.S.D.	31.424	152.753	43.685	1.553	0.910	34.631	9.097	66.358

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.232	0.086	-0.131	0.802	1.082	3.925	0.012	-1.007
S.D.	0.008	0.021	0.035	0.089	0.011	0.095	0.136	0.840
% R.S.D.	3.508	24.527	26.949	11.094	0.990	2.409	1152.672	83.463

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	0.182	-0.751	0.016	8.026	4.778	0.121	0.047	1188.496
S.D.	0.199	0.143	0.002	0.483	0.163	0.007	0.047	5.564
% R.S.D.	109.056	19.084	10.408	6.021	3.404	5.801	100.920	0.468

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	0.063	-1.212	-0.239	0.500	-0.027	0.070	0.516	5.198
S.D.	0.021	0.144	0.009	0.056	0.007	0.007	0.012	0.075
% R.S.D.	33.081	11.882	3.692	11.195	24.786	9.421	2.284	1.435

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.190	-0.141	-0.022	-0.004	0.596
S.D.	0.000	0.533	0.003	0.006	0.405
% R.S.D.	0.048	377.196	13.657	142.420	67.990

Identity 1: S96T002284 Identity 2: 2ml-8ml 2:18 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 5.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	0.001	0.002	0.037	1.366	14.657	0.028	0.016	-0.000
S.D.	0.009	0.001	0.067	0.003	0.068	0.010	0.001	0.002
% R.S.D.	1523.803	36.464	179.000	0.187	0.461	34.570	8.093	1472.071

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.059	0.077	-0.014	0.720	1.048	4.018	0.033	0.381
S.D.	0.002	0.008	0.017	0.013	0.003	0.014	0.039	0.362
% R.S.D.	2.556	9.810	118.312	1.814	0.239	0.344	118.715	95.021

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-0.043	-0.062	0.006	8.021	4.783	0.100	-0.007	1157.963
S.D.	0.094	0.069	0.001	0.103	0.078	0.001	0.004	8.264
% R.S.D.	221.033	111.431	22.530	1.283	1.621	0.528	51.444	0.714

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	0.033	0.462	-0.050	0.463	0.002	0.009	0.513	2.758
S.D.	0.006	0.156	0.005	0.085	0.002	0.003	0.004	0.091
% R.S.D.	18.539	33.790	10.648	18.420	96.313	30.744	0.842	3.282

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.191	0.183	-0.010	0.001	0.054
S.D.	0.003	0.059	0.003	0.001	0.129
% R.S.D.	1.356	32.111	28.895	127.423	239.530

Identity 1: S96T002284_D Identity 2: 2ml-8ml 2:21 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 5.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	-0.008	0.002	-0.045	1.380	18.019	0.023	0.025	-0.001
S.D.	0.002	0.000	0.061	0.009	0.016	0.017	0.001	0.001
% R.S.D.	28.448	0.000	134.243	0.655	0.090	74.704	2.800	96.173

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.060	0.045	-0.022	0.584	1.189	4.060	-0.027	-0.380
S.D.	0.000	0.009	0.008	0.008	0.001	0.026	0.036	0.040
% R.S.D.	0.002	19.268	38.099	1.347	0.062	0.632	132.268	10.534

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-0.014	-0.184	0.005	7.659	4.144	0.101	-0.000	1188.287
S.D.	0.016	0.011	0.000	0.111	0.056	0.001	0.014	7.232
% R.S.D.	119.941	5.886	10.072	1.449	1.357	0.523	179449.271	0.609

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	0.033	0.484	-0.047	0.236	-0.003	0.018	0.377	2.840
S.D.	0.006	0.064	0.001	0.018	0.001	0.001	0.005	0.132
% R.S.D.	17.892	13.298	2.872	7.850	38.299	7.377	1.237	4.652

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.180	0.304	-0.002	0.000	0.211
S.D.	0.003	0.086	0.004	0.000	0.018
% R.S.D.	1.745	28.321	236.690	2.124	8.737

Identity 1: S96T002284_S Identity 2: 2ml-8ml 2:24 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 5.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	9.929	9.149	9.028	12.791	28.672	9.458	8.862	8.824
S.D.	0.012	0.021	0.123	0.009	0.063	0.010	0.030	0.060
% R.S.D.	0.120	0.230	1.367	0.069	0.221	0.104	0.338	0.685

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	9.885	9.531	9.275	10.013	9.575	13.627	9.230	18.881
S.D.	0.006	0.053	0.007	0.072	0.022	0.022	0.053	0.135
% R.S.D.	0.061	0.559	0.077	0.719	0.234	0.162	0.575	0.716

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	9.469	9.149	9.160	18.204	13.936	8.774	9.350	1225.646
S.D.	0.052	0.029	0.023	0.400	0.139	0.009	0.075	7.934
% R.S.D.	0.551	0.314	0.252	2.199	0.997	0.102	0.798	0.647

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	9.170	10.906	1.800	12.345	8.595	9.180	9.958	12.661
S.D.	0.011	0.050	0.002	0.197	0.010	0.016	0.024	0.091
% R.S.D.	0.119	0.461	0.096	1.594	0.119	0.172	0.239	0.715

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	9.490	9.453	9.202	9.330	9.093
S.D.	0.016	0.132	0.008	0.018	0.070
% R.S.D.	0.170	1.395	0.091	0.198	0.767

Identity 1: CCV Identity 2: Quality Control 2:30 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	4.959	5.013	5.025	4.737	4.954	5.080	5.035	5.028
S.D.	0.003	0.005	0.006	0.002	0.006	0.005	0.010	0.031
% R.S.D.	0.059	0.092	0.123	0.034	0.121	0.102	0.190	0.616

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	5.111	5.037	4.986	5.076	4.968	5.065	5.060	10.038
S.D.	0.002	0.013	0.011	0.018	0.007	0.008	0.017	0.021
% R.S.D.	0.043	0.259	0.215	0.356	0.140	0.159	0.342	0.205

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	5.107	5.031	5.026	5.216	5.092	4.913	5.121	5.023
S.D.	0.016	0.006	0.006	0.018	0.010	0.008	0.022	0.029
% R.S.D.	0.320	0.110	0.115	0.347	0.196	0.157	0.422	0.582

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	5.082	5.940	4.762	5.055	4.914	5.029	5.079	5.091
S.D.	0.008	0.030	0.046	0.024	0.005	0.007	0.007	0.046
% R.S.D.	0.149	0.507	0.967	0.466	0.110	0.144	0.133	0.895

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	5.057	4.691	5.051	5.182	4.871
S.D.	0.002	0.029	0.004	0.000	0.019
% R.S.D.	0.040	0.618	0.084	0.007	0.380

Identity 1: CCB Identity 2: Quality Control 2:34 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	-0.001	-0.000	0.009	-0.004	0.003	0.008	0.001	0.000
S.D.	0.002	0.000	0.010	0.003	0.002	0.003	0.001	0.001
% R.S.D.	190.589	1824.829	111.809	93.148	70.362	42.710	143.367	195.195

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.001	-0.003	-0.004	0.001	0.000	-0.000	-0.001	-0.039
S.D.	0.001	0.002	0.001	0.000	0.000	0.001	0.014	0.083
% R.S.D.	56.714	94.317	38.234	39.851	61.056	5082.210	1648.663	214.140

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-0.010	-0.022	0.000	0.019	-0.007	0.001	-0.014	0.026
S.D.	0.025	0.016	0.000	0.007	0.006	0.000	0.000	0.006
% R.S.D.	262.988	74.271	283.945	38.824	88.023	17.321	0.008	21.650

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	-0.002	-0.040	0.067	0.016	-0.001	0.001	0.005	0.161
S.D.	0.001	0.006	0.004	0.014	0.001	0.001	0.001	0.017
% R.S.D.	32.608	15.420	5.247	93.333	122.020	99.718	26.217	10.438

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.000	-0.046	-0.001	0.000	-0.028
S.D.	0.000	0.006	0.001	0.001	0.037
% R.S.D.	110.604	13.910	131.610	216.983	134.244

Identity 1: S96T002285_L Identity 2: 2ml-8ml-2ml-8ml 2:38 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 25.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	-0.090	0.005	-0.055	1.211	25.977	0.085	0.025	0.009
S.D.	0.019	0.004	0.222	0.023	0.094	0.049	0.003	0.005
% R.S.D.	21.463	69.389	404.920	1.899	0.361	57.453	13.910	53.576

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.246	0.008	-0.107	1.149	1.233	7.911	0.361	-0.841
S.D.	0.001	0.054	0.021	0.059	0.003	0.069	0.069	1.131
% R.S.D.	0.509	675.265	19.660	5.139	0.218	0.876	19.183	134.528

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	0.475	-0.744	0.017	7.570	8.973	0.133	0.011	1159.451
S.D.	0.247	0.146	0.005	0.179	0.244	0.000	0.077	6.854
% R.S.D.	52.010	19.572	30.615	2.369	2.721	0.000	673.855	0.591

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	0.011	0.071	-0.152	0.075	-0.033	0.057	0.624	5.245
S.D.	0.031	0.111	0.019	0.374	0.003	0.011	0.022	0.129
% R.S.D.	284.537	155.008	12.642	501.490	9.506	20.110	3.491	2.466

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.403	0.933	0.005	-0.000	-0.342
S.D.	0.009	0.366	0.010	0.009	0.498
% R.S.D.	2.164	39.295	181.057	2327.995	145.706

Identity 1: S96T002285 Identity 2: 2ml-8ml 2:41 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 5.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	-0.007	0.007	-0.023	1.319	25.582	0.057	0.027	0.003
S.D.	0.006	0.000	0.059	0.012	0.077	0.000	0.003	0.002
% R.S.D.	91.223	5.973	254.259	0.941	0.302	0.056	10.280	49.163

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.089	0.087	-0.021	1.161	1.214	8.033	0.003	-0.095
S.D.	0.003	0.010	0.004	0.033	0.005	0.056	0.033	0.250
% R.S.D.	3.117	11.737	19.646	2.802	0.380	0.695	1030.062	262.121

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	0.119	-0.206	0.009	7.114	8.739	0.122	0.001	1105.704
S.D.	0.056	0.061	0.001	0.260	0.136	0.000	0.023	5.159
% R.S.D.	47.429	29.494	11.413	3.659	1.552	0.000	2466.480	0.467

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	0.080	0.728	0.011	0.244	-0.003	0.030	0.596	4.357
S.D.	0.000	0.091	0.003	0.034	0.002	0.001	0.001	0.083
% R.S.D.	0.575	12.501	23.013	13.933	63.130	2.502	0.191	1.909

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.406	0.051	0.010	0.002	0.193
S.D.	0.002	0.104	0.002	0.001	0.139
% R.S.D.	0.424	206.580	23.412	34.046	71.718

Identity 1: S96T002285_D Identity 2: 2ml-8ml 2:45 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 5.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	0.002	0.004	0.027	1.698	25.314	0.034	0.032	-0.001
S.D.	0.004	0.001	0.038	0.009	0.092	0.010	0.002	0.001
% R.S.D.	198.348	14.783	137.778	0.507	0.364	28.886	5.181	55.657

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.073	0.094	-0.040	0.966	1.245	8.099	-0.030	0.052
S.D.	0.002	0.002	0.014	0.014	0.004	0.054	0.051	0.241
% R.S.D.	2.244	2.106	35.543	1.488	0.301	0.671	170.788	460.925

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-0.073	0.006	0.005	13.474	7.301	0.116	0.021	1040.626
S.D.	0.064	0.044	0.001	0.225	0.056	0.001	0.002	7.133
% R.S.D.	87.448	750.815	14.434	1.671	0.767	0.456	8.984	0.685

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	0.078	0.743	-0.026	0.155	-0.000	0.021	0.624	4.499
S.D.	0.011	0.069	0.004	0.019	0.002	0.002	0.007	0.037
% R.S.D.	13.968	9.238	15.567	11.995	898.292	9.654	1.149	0.830

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.329	0.092	-0.007	0.002	0.009
S.D.	0.002	0.196	0.002	0.001	0.130
% R.S.D.	0.693	214.424	23.703	31.628	1379.645

Identity 1: S96T002286_L Identity 2: 2ml-8ml-2ml-8ml 2:48 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 25.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	0.072	0.026	0.364	1.918	115.639	0.085	0.091	0.001
S.D.	0.035	0.005	0.123	0.070	0.454	0.049	0.005	0.010
% R.S.D.	48.477	18.039	33.873	3.651	0.392	57.535	5.691	891.518

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.293	0.375	-0.139	11.067	1.967	37.778	0.144	2.679
S.D.	0.004	0.045	0.083	0.079	0.004	0.015	0.193	1.495
% R.S.D.	1.471	11.903	59.344	0.711	0.179	0.039	134.564	55.792

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	0.037	-0.036	0.037	24.055	9.185	0.652	-0.034	1055.238
S.D.	0.452	0.310	0.008	0.343	0.090	0.000	0.114	2.665
% R.S.D.	1229.285	863.394	20.199	1.425	0.978	0.000	341.195	0.253

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	0.249	4.119	-0.196	0.645	0.018	0.048	0.303	12.233
S.D.	0.004	0.518	0.022	0.278	0.011	0.007	0.015	0.319
% R.S.D.	1.612	12.582	11.072	43.127	63.176	13.720	4.950	2.607

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	4.288	-1.025	-0.049	-0.001	0.087
S.D.	0.012	0.163	0.012	0.003	0.355
% R.S.D.	0.271	15.941	24.153	330.792	408.696

Identity 1: S96T002286 Identity 2: 2ml-8ml 2:51 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 5.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	0.051	0.032	0.435	1.942	114.929	0.040	0.088	0.006
S.D.	0.002	0.000	0.078	0.005	0.066	0.000	0.000	0.001
% R.S.D.	3.330	0.621	17.866	0.250	0.058	0.023	0.316	20.151

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.276	0.399	0.019	10.789	1.802	37.716	0.124	1.230
S.D.	0.002	0.009	0.014	0.057	0.000	0.066	0.025	0.072
% R.S.D.	0.862	2.226	76.277	0.531	0.000	0.175	19.897	5.871

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	0.173	-0.187	0.038	24.000	9.350	0.641	0.034	1004.736
S.D.	0.010	0.005	0.000	0.221	0.082	0.000	0.038	2.052
% R.S.D.	5.798	2.832	1.147	0.922	0.877	0.000	111.037	0.204

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	0.273	4.829	0.020	0.732	0.017	0.057	0.304	10.035
S.D.	0.011	0.053	0.002	0.042	0.002	0.005	0.006	0.104
% R.S.D.	3.940	1.102	10.133	5.725	8.876	9.433	1.975	1.034

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	4.248	0.202	0.010	0.002	0.189
S.D.	0.001	0.052	0.003	0.001	0.037
% R.S.D.	0.035	25.671	28.362	29.140	19.640

Identity 1: S96T002286_D Identity 2: 2ml-8ml 2:54 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 5.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	0.062	0.031	0.427	2.142	116.988	0.028	0.099	0.003
S.D.	0.002	0.000	0.048	0.015	0.080	0.010	0.001	0.001
% R.S.D.	3.110	0.000	11.351	0.679	0.068	34.647	1.440	36.926

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.263	0.413	0.019	12.092	1.798	38.405	0.032	1.852
S.D.	0.003	0.004	0.012	0.030	0.002	0.019	0.060	0.149
% R.S.D.	1.075	0.867	64.835	0.246	0.098	0.050	189.135	8.072

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-0.032	-0.026	0.035	23.835	9.083	0.656	0.057	1021.245
S.D.	0.040	0.028	0.001	0.150	0.167	0.000	0.036	1.803
% R.S.D.	125.538	106.073	1.599	0.629	1.843	0.000	63.980	0.177

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	0.278	4.780	-0.011	0.770	0.030	0.049	0.543	10.346
S.D.	0.005	0.102	0.001	0.059	0.001	0.003	0.006	0.154
% R.S.D.	1.639	2.142	4.678	7.597	2.992	5.599	1.163	1.491

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	4.318	-0.022	-0.006	0.003	-0.039
S.D.	0.014	0.059	0.002	0.001	0.104
% R.S.D.	0.335	267.850	27.343	21.281	265.989

Identity 1: S96T002287_L Identity 2: 2ml-8ml-2ml-8ml 2:57 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 25.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	0.003	0.001	-0.179	0.675	66.850	0.085	0.034	-0.003
S.D.	0.021	0.002	0.186	0.033	0.256	0.049	0.013	0.006
% R.S.D.	670.159	150.000	104.149	4.927	0.382	57.807	37.760	219.403

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.108	0.148	-0.070	1.694	1.013	10.687	0.110	2.061
S.D.	0.005	0.048	0.041	0.023	0.002	0.061	0.107	0.465
% R.S.D.	5.007	32.419	58.556	1.333	0.201	0.568	96.834	22.563

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-0.018	-0.503	0.007	9.399	10.175	0.122	0.021	1015.383
S.D.	0.154	0.059	0.004	0.179	0.136	0.003	0.059	4.092
% R.S.D.	842.859	11.746	68.845	1.906	1.332	2.165	279.118	0.403

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	0.089	0.563	-0.269	0.370	0.003	0.030	0.656	10.787
S.D.	0.015	0.203	0.016	0.119	0.008	0.011	0.013	0.163
% R.S.D.	17.124	36.002	5.874	32.158	284.290	37.544	1.940	1.508

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.528	0.468	0.010	0.004	0.131
S.D.	0.007	0.102	0.015	0.003	0.193
% R.S.D.	1.415	21.839	148.275	88.258	148.046

Identity 1: S96T002287 Identity 2: 2ml-8ml 3:00 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 5.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	0.004	0.006	-0.040	0.648	66.358	0.023	0.038	0.003
S.D.	0.004	0.000	0.099	0.017	0.162	0.017	0.002	0.001
% R.S.D.	88.714	3.208	246.938	2.591	0.245	74.749	4.309	18.250

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.067	0.163	-0.016	1.527	1.050	10.636	0.021	0.042
S.D.	0.004	0.010	0.004	0.016	0.002	0.018	0.033	0.060
% R.S.D.	6.369	6.297	24.869	1.059	0.185	0.166	158.947	142.281

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	0.145	-0.104	0.010	8.994	9.929	0.118	0.048	968.505
S.D.	0.008	0.009	0.001	0.186	0.087	0.001	0.020	5.361
% R.S.D.	5.233	8.662	6.383	2.068	0.871	0.450	41.057	0.554

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	0.212	1.110	-0.027	0.247	-0.001	0.033	0.630	8.205
S.D.	0.004	0.046	0.001	0.067	0.002	0.004	0.010	0.040
% R.S.D.	2.079	4.130	4.905	27.204	244.278	13.007	1.582	0.482

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.505	0.054	0.014	0.004	0.209
S.D.	0.004	0.168	0.004	0.001	0.046
% R.S.D.	0.788	310.869	28.118	17.404	21.786

Identity 1: S96T002287_D Identity 2: 2ml-8ml 3:03 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 5.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	0.019	0.006	0.005	1.806	63.494	0.028	0.032	-0.001
S.D.	0.006	0.000	0.050	0.005	0.309	0.010	0.001	0.001
% R.S.D.	31.973	6.792	926.746	0.279	0.487	34.547	4.338	234.365

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.093	0.179	-0.016	1.701	1.314	12.903	0.030	0.480
S.D.	0.005	0.008	0.011	0.010	0.003	0.028	0.022	0.148
% R.S.D.	4.973	4.502	67.167	0.569	0.250	0.220	74.363	30.947

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-0.088	0.031	0.008	7.744	11.990	0.154	0.049	1135.606
S.D.	0.062	0.033	0.001	0.082	0.131	0.001	0.010	5.258
% R.S.D.	70.430	106.181	11.075	1.065	1.094	0.344	20.298	0.463

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	0.198	1.463	-0.046	0.284	0.003	0.029	0.773	8.069
S.D.	0.003	0.131	0.003	0.027	0.002	0.002	0.006	0.047
% R.S.D.	1.298	8.935	6.184	9.395	54.957	7.059	0.769	0.578

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.591	0.029	-0.012	-0.001	0.066
S.D.	0.006	0.162	0.002	0.001	0.073
% R.S.D.	1.030	562.414	17.059	87.073	109.226

Identity 1: CCV Identity 2: Quality Control 3:06 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	4.945	4.979	5.016	4.722	4.941	5.025	5.012	4.984
S.D.	0.008	0.008	0.020	0.012	0.012	0.020	0.007	0.027
% R.S.D.	0.155	0.169	0.391	0.260	0.234	0.390	0.144	0.536

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	5.089	5.011	4.974	5.100	4.942	5.037	5.093	10.049
S.D.	0.008	0.003	0.013	0.020	0.006	0.013	0.022	0.032
% R.S.D.	0.155	0.058	0.259	0.392	0.131	0.259	0.425	0.319

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	5.062	5.034	4.990	5.230	5.094	4.877	5.094	5.087
S.D.	0.007	0.008	0.008	0.085	0.045	0.012	0.015	0.042
% R.S.D.	0.142	0.162	0.156	1.622	0.888	0.238	0.300	0.818

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	5.013	5.874	3.793	4.991	4.858	5.001	5.073	5.168
S.D.	0.010	0.079	0.084	0.037	0.012	0.008	0.005	0.052
% R.S.D.	0.203	1.343	2.209	0.736	0.246	0.153	0.091	1.001

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	5.043	4.801	5.029	5.150	4.854
S.D.	0.013	0.023	0.007	0.008	0.033
% R.S.D.	0.249	0.474	0.135	0.154	0.670

Identity 1: CCB Identity 2: Quality Control 3:09 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	-0.001	0.000	0.008	-0.007	0.005	0.008	0.001	0.001
S.D.	0.001	0.000	0.009	0.001	0.002	0.003	0.000	0.000
% R.S.D.	47.739	25.981	114.873	9.753	42.584	42.769	36.616	39.849

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.001	-0.003	-0.003	0.006	-0.001	-0.001	-0.006	-0.031
S.D.	0.000	0.001	0.002	0.002	0.000	0.001	0.008	0.046
% R.S.D.	29.455	27.509	58.216	36.302	11.538	146.416	132.004	148.492

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	0.018	-0.030	0.001	0.015	0.001	0.001	0.001	0.041
S.D.	0.009	0.006	0.000	0.003	0.001	0.000	0.007	0.005
% R.S.D.	48.472	19.908	21.473	19.082	98.775	17.321	878.588	12.490

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	-0.001	-0.046	0.442	0.004	-0.000	0.001	0.004	0.178
S.D.	0.001	0.013	0.012	0.004	0.000	0.000	0.001	0.014
% R.S.D.	54.812	27.154	2.753	94.080	37.916	37.187	18.629	7.668

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.000	0.009	0.001	0.000	0.039
S.D.	0.000	0.033	0.000	0.000	0.018
% R.S.D.	75.359	368.031	24.260	1.901	46.364

Identity 1: S96T002288_L Identity 2: 2ml-8ml-2ml-8ml 3:12 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 25.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	-0.013	0.006	0.026	1.692	90.483	0.170	0.045	-0.001
S.D.	0.012	0.002	0.403	0.036	0.340	0.098	0.005	0.004
% R.S.D.	88.396	27.273	1567.514	2.134	0.376	57.660	10.228	503.799

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.182	0.145	-0.035	1.612	1.446	19.375	-0.028	0.254
S.D.	0.004	0.063	0.021	0.094	0.004	0.109	0.158	0.383
% R.S.D.	2.052	43.610	58.450	5.837	0.244	0.564	555.925	150.999

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-0.367	-0.333	0.015	12.042	11.911	0.153	-0.072	1233.991
S.D.	0.098	0.087	0.003	0.338	0.041	0.003	0.047	2.627
% R.S.D.	26.660	25.965	18.558	2.803	0.343	1.732	65.237	0.213

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	0.243	1.396	0.163	0.198	-0.024	0.065	0.732	13.058
S.D.	0.036	0.307	0.015	0.118	0.007	0.014	0.019	0.292
% R.S.D.	14.990	22.009	9.248	59.877	29.561	20.954	2.596	2.234

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.659	-0.004	-0.022	-0.003	0.093
S.D.	0.011	0.125	0.003	0.003	0.521
% R.S.D.	1.741	3316.094	14.369	128.728	559.293

Identity 1: S96T002288 Identity 2: 2ml-8ml 3:15 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 5.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	0.017	0.009	0.097	1.880	91.335	0.006	0.047	0.001
S.D.	0.003	0.000	0.020	0.015	0.166	0.000	0.002	0.001
% R.S.D.	16.410	3.896	20.515	0.822	0.182	0.371	3.928	96.318

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.221	0.233	0.024	1.521	1.494	19.798	0.031	0.497
S.D.	0.002	0.009	0.007	0.028	0.004	0.060	0.051	0.164
% R.S.D.	0.963	3.705	29.729	1.816	0.253	0.304	164.017	33.039

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	0.040	-0.059	0.012	11.521	12.078	0.153	0.043	1193.778
S.D.	0.039	0.020	0.000	0.079	0.026	0.001	0.028	2.968
% R.S.D.	99.087	34.639	3.447	0.685	0.214	0.347	64.424	0.249

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	0.260	2.185	0.256	0.284	0.001	0.031	0.701	9.665
S.D.	0.013	0.048	0.011	0.030	0.002	0.001	0.009	0.111
% R.S.D.	5.176	2.192	4.209	10.404	159.651	4.285	1.335	1.143

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.674	0.653	0.002	0.002	0.011
S.D.	0.003	0.053	0.001	0.001	0.052
% R.S.D.	0.389	8.079	33.284	40.617	467.426

Identity 1: S96T002288_D Identity 2: 2ml-8ml 3:17 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 5.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	0.002	0.008	0.056	1.701	86.408	0.051	0.027	0.001
S.D.	0.001	0.000	0.050	0.006	0.390	0.010	0.001	0.001
% R.S.D.	52.534	2.474	88.759	0.373	0.451	19.196	3.979	85.316

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.124	0.216	0.007	1.371	1.380	17.734	0.025	0.030
S.D.	0.001	0.005	0.008	0.026	0.004	0.102	0.017	0.020
% R.S.D.	0.734	2.128	113.891	1.920	0.271	0.576	70.415	67.588

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	0.076	-0.107	0.011	10.069	10.987	0.160	0.032	1115.010
S.D.	0.023	0.007	0.000	0.231	0.178	0.001	0.020	5.636
% R.S.D.	30.928	6.572	2.560	2.293	1.623	0.331	63.163	0.505

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	0.248	2.008	0.091	0.224	-0.002	0.028	0.792	9.496
S.D.	0.004	0.019	0.007	0.046	0.001	0.000	0.008	0.039
% R.S.D.	1.625	0.931	7.367	20.521	38.627	0.024	0.985	0.408

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.592	-0.039	0.004	0.002	-0.037
S.D.	0.003	0.044	0.003	0.000	0.065
% R.S.D.	0.529	112.124	57.505	0.230	175.479

Identity 1: S96T002288_S Identity 2: 2ml-8ml 3:20 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 5.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	9.872	9.199	9.163	11.754	98.947	9.475	8.865	8.878
S.D.	0.037	0.025	0.052	0.021	0.163	0.043	0.025	0.029
% R.S.D.	0.371	0.269	0.567	0.182	0.165	0.451	0.279	0.329

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	9.330	9.623	9.251	10.775	10.672	28.434	9.181	18.883
S.D.	0.006	0.027	0.035	0.040	0.031	0.074	0.090	0.111
% R.S.D.	0.067	0.285	0.379	0.372	0.290	0.261	0.982	0.589

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	9.594	9.172	9.191	22.735	21.043	8.886	9.280	1154.229
S.D.	0.047	0.032	0.024	0.267	0.135	0.013	0.081	2.766
% R.S.D.	0.489	0.344	0.264	1.173	0.640	0.143	0.871	0.240

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	9.372	12.981	1.806	9.299	8.573	9.126	9.955	19.050
S.D.	0.011	0.120	0.003	0.049	0.019	0.019	0.033	0.123
% R.S.D.	0.116	0.924	0.175	0.528	0.219	0.207	0.327	0.647

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	9.917	9.556	9.183	9.335	8.782
S.D.	0.011	0.127	0.019	0.007	0.057
% R.S.D.	0.116	1.325	0.206	0.070	0.644

Identity 1: ICSA Identity 2: Quality Control 3:23 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	0.002	0.002	-0.034	0.015	201.872	0.006	0.001	0.000
S.D.	0.002	0.000	0.002	0.002	1.056	0.000	0.001	0.001
% R.S.D.	92.014	16.302	6.630	12.598	0.523	0.147	95.126	355.517

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	-0.006	0.003	0.007	96.473	102.768	-0.004	-0.049	0.058
S.D.	0.001	0.002	0.002	0.215	0.497	0.004	0.009	0.069
% R.S.D.	9.125	89.422	30.138	0.222	0.484	97.507	17.923	119.974

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-0.008	0.044	0.003	0.021	0.078	103.208	0.091	191.452
S.D.	0.021	0.013	0.000	0.003	0.014	0.246	0.004	1.290
% R.S.D.	271.567	29.759	14.978	16.196	17.918	0.239	3.913	0.674

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	-0.005	-0.074	-0.010	-0.013	0.001	0.002	0.014	0.166
S.D.	0.001	0.008	0.001	0.012	0.001	0.001	0.001	0.031
% R.S.D.	26.648	10.136	12.129	87.376	145.081	24.177	6.252	19.011

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.004	0.014	-0.001	0.003	-0.003
S.D.	0.001	0.024	0.001	0.000	0.035
% R.S.D.	13.215	168.793	128.470	4.345	1209.333

Identity 1: ICSAB Identity 2: Quality Control 3:25 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	-0.006	0.002	-0.039	0.009	199.904	0.505	0.499	0.949
S.D.	0.000	0.000	0.013	0.004	0.666	0.005	0.001	0.005
% R.S.D.	7.796	2.138	33.416	41.994	0.333	1.030	0.288	0.501

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	1.008	0.980	-0.002	96.309	102.917	0.507	-0.036	-0.103
S.D.	0.003	0.007	0.004	0.167	0.186	0.004	0.002	0.021
% R.S.D.	0.309	0.712	187.626	0.174	0.180	0.791	6.493	20.855

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	-0.001	-0.001	0.512	0.038	0.093	103.760	0.073	192.564
S.D.	0.005	0.004	0.001	0.006	0.007	0.504	0.004	1.153
% R.S.D.	869.062	367.960	0.237	16.034	7.874	0.486	5.729	0.599

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	-0.002	0.070	1.010	0.987	-0.001	0.998	0.013	0.139
S.D.	0.000	0.030	0.006	0.004	0.000	0.003	0.001	0.008
% R.S.D.	9.793	43.535	0.589	0.399	9.185	0.281	4.806	5.675

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.506	-0.023	0.498	0.500	0.043
S.D.	0.001	0.067	0.001	0.000	0.013
% R.S.D.	0.219	292.332	0.200	0.099	30.104

Identity 1: CCV Identity 2: Quality Control 3:28 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	4.899	4.923	4.984	4.693	4.967	5.008	4.956	4.940
S.D.	0.014	0.020	0.019	0.008	0.022	0.014	0.019	0.025
% R.S.D.	0.281	0.405	0.379	0.166	0.453	0.274	0.373	0.516

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ca (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	5.096	4.981	4.929	5.088	4.907	5.018	5.050	9.802
S.D.	0.006	0.008	0.018	0.013	0.008	0.016	0.024	0.042
% R.S.D.	0.126	0.167	0.361	0.256	0.162	0.313	0.479	0.431

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	5.019	4.950	4.926	5.345	5.141	4.888	5.062	5.036
S.D.	0.011	0.018	0.022	0.018	0.016	0.004	0.020	0.016
% R.S.D.	0.220	0.373	0.447	0.345	0.308	0.079	0.394	0.326

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	4.990	5.865	4.863	4.987	4.806	4.966	5.040	5.224
S.D.	0.008	0.028	0.077	0.028	0.017	0.009	0.017	0.034
% R.S.D.	0.152	0.471	1.583	0.565	0.350	0.176	0.331	0.643

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	5.016	4.707	4.999	5.100	4.861
S.D.	0.012	0.044	0.013	0.014	0.017
% R.S.D.	0.243	0.927	0.251	0.271	0.341

Identity 1: CCB Identity 2: Quality Control 3:31 PM May 20, 1996
Task name : OPTIMA
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 3 Off-Peak Integrations : 1

	Zr (ppm)	Sr (ppm)	Bi (ppm)	Si (ppm)	Al (ppm)	Co (ppm)	Cu (ppm)	Li (ppm)
Mean	0.001	0.001	-0.003	-0.005	0.011	0.007	0.001	0.001
S.D.	0.002	0.001	0.010	0.004	0.015	0.002	0.001	0.001
% R.S.D.	117.346	78.460	293.786	97.645	137.031	28.928	196.524	89.477

	Zn (ppm)	Ni (ppm)	La (ppm)	Fe (ppm)	Ce (ppm)	Cr (ppm)	Nd (ppm)	U (ppm)
Mean	0.002	-0.001	-0.000	0.009	0.007	0.002	0.003	0.061
S.D.	0.001	0.002	0.004	0.007	0.004	0.003	0.002	0.036
% R.S.D.	55.893	167.454	807.167	81.705	65.258	171.085	70.220	58.675

	Ce (ppm)	Sm (ppm)	Ba (ppm)	P (ppm)	S (ppm)	Mg (ppm)	As (ppm)	Na (ppm)
Mean	0.001	0.005	0.001	-0.004	-0.005	0.008	-0.001	0.046
S.D.	0.007	0.009	0.001	0.008	0.009	0.004	0.008	0.014
% R.S.D.	471.197	186.871	60.415	190.006	205.759	56.614	728.980	31.390

	Mo (ppm)	Se (ppm)	Ag (ppm)	Pb (ppm)	Ti (ppm)	Cd (ppm)	B (ppm)	K (ppm)
Mean	-0.002	-0.054	0.031	-0.010	0.001	0.001	0.005	0.180
S.D.	0.002	0.012	0.004	0.006	0.001	0.002	0.001	0.019
% R.S.D.	104.588	22.008	12.164	60.177	139.951	151.531	29.568	10.582

	Mn (ppm)	Sb (ppm)	V (ppm)	Be (ppm)	Tl (ppm)
Mean	0.001	0.010	0.000	0.002	0.005
S.D.	0.001	0.012	0.002	0.001	0.023
% R.S.D.	88.096	113.914	1712.131	54.263	500.409

LABCORE Data Entry Template for Worklist# 5889

Analyst: JLS2 **Instrument:** CARB2 **Book #** 22N12B TIC 24N12A TOC

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

Worklist Comment: U-107 @TICTOC1. RCJ

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	3.1	N/A	ug/g
		2	STD				@TICTOC1 TIC-02	SOLID	6.02E2	5.69E2	N/A	ug/g
		2	STD				@TICTOC1 TOC-02	SOLID	3.00E3	2.68E3	N/A	ug/g
96000085	U-107	3	SAMPLE	S96T000644	0		@TICTOC1 TIC-02	SOLID	N/A	3.45E3		ug/g
96000085	U-107	3	SAMPLE	S96T000644	0		@TICTOC1 TOC-02	SOLID	N/A	4.86E3		ug/g
96000085	U-107	4	DUP	S96T000644	0		@TICTOC1 TIC-02	SOLID	3.45E3	3.40E3	N/A	ug/g
96000085	U-107	4	DUP	S96T000644	0		@TICTOC1 TOC-02	SOLID	4.86E3	5.01E3	N/A	ug/g
96000085	U-107	5	SPK	S96T000644	0		@TICTOC1 TIC-02	SOLID	100	105	N/A	ug/g
96000085	U-107	5	SPK	S96T000644	0		@TICTOC1 TOC-02	SOLID	100	107	N/A	ug/g
96000085	U-107	6	SAMPLE	S96T000647	0		@TICTOC1 TIC-02	SOLID	N/A	2.06E3		ug/g
96000085	U-107	6	SAMPLE	S96T000647	0		@TICTOC1 TOC-02	SOLID	N/A	1.86E3		ug/g
96000085	U-107	7	DUP	S96T000647	0		@TICTOC1 TIC-02	SOLID	2.06E3	2.31E3	N/A	ug/g
96000085	U-107	7	DUP	S96T000647	0		@TICTOC1 TOC-02	SOLID	1.86E3	1.97E3	N/A	ug/g
96000085	U-107	8	SAMPLE	S96T000650	0		@TICTOC1 TIC-02	SOLID	N/A	1.74E3		ug/g
96000085	U-107	8	SAMPLE	S96T000650	0		@TICTOC1 TOC-02	SOLID	N/A	1.35E3		ug/g
96000085	U-107	9	DUP	S96T000650	0		@TICTOC1 TIC-02	SOLID	1.74E3	1.64E3	N/A	ug/g
96000085	U-107	9	DUP	S96T000650	0		@TICTOC1 TOC-02	SOLID	1.35E3	1.18E3	N/A	ug/g

1.27E3 HLL 6/3/96

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.

LABCORE Data Entry Template for Worklist# 5889

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
96000085	U-107	10	SAMPLE	S96T000653	0		@TICTOC1 TIC-02	SOLID	N/A	1.58E3		ug/g
96000085	U-107	10	SAMPLE	S96T000653	0		@TICTOC1 TOC-02	SOLID	N/A	1.37E3		ug/g
96000085	U-107	11	DUP	S96T000653	0		@TICTOC1 TIC-02	SOLID	1.58E3	1.77E3	N/A	ug/g
96000085	U-107	11	DUP	S96T000653	0		@TICTOC1 TOC-02	SOLID	1.37E3	1.39E3	N/A	ug/g
96000422	U-107	12	SAMPLE	S96T001874	0		@TICTOC1 TIC-02	SOLID	N/A	3.29E3		ug/g
96000422	U-107	12	SAMPLE	S96T001874	0		@TICTOC1 TOC-02	SOLID	N/A	9.19E2		ug/g
96000422	U-107	13	DUP	S96T001874	0		@TICTOC1 TIC-02	SOLID	3.29E3	1.15E3	N/A	ug/g
96000422	U-107	13	DUP	S96T001874	0		@TICTOC1 TOC-02	SOLID	9.19E2	5.97E2	N/A	ug/g
96000422	U-107	14	TRIPL	S96T001874	0		@TICTOC1 TIC-02	SOLID		1.28E3	N/A	ug/g
96000422	U-107	14	TRIPL	S96T001874	0		@TICTOC1 TOC-02	SOLID		6.05E2	N/A	ug/g

Final page for worklist # 5889

Jackie Steele 5/31/96
Analyst Signature Date

Analyst Signature Date

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 Completed Worklist Report for Worklist# 5889

Analyst: jls2 **Instrument:** TOC01 **Book#** _____

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

Worklist Comment: U-107 @TICTOC1. RCJ

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
1	BLNK			0	@TICTOC1 TIC-02	SOLID	1	3.10E+0	3.100	ug/g
1	BLNK			0	@TICTOC1 TOC-02	SOLID	1	3.10E+0	3.100	ug/g
2	STD			0	@TICTOC1 TIC-02	SOLID	6.02E+02	5.69E+2	94.518	% Recovery
2	STD			0	@TICTOC1 TOC-02	SOLID	3.00E+03	2.69E+3	89.667	% Recovery
3	SAMPLE	S96T000644		0	@TICTOC1 TIC-02	SOLID	N/A	3.45E+03	5.000	ug/g
3	SAMPLE	S96T000644		0	@TICTOC1 TOC-02	SOLID	N/A	4.87E+03	40.000	ug/g
4	DUP	S96T000644		0	@TICTOC1 TIC-02	SOLID	3.45E+3	3.39E+3	1.754	RPD
4	DUP	S96T000644		0	@TICTOC1 TOC-02	SOLID	4.87E+3	5.01E+3	2.834	RPD
5	SPK	S96T000644		0	@TICTOC1 TIC-02	SOLID	1.00E+02	1.04E+02	104.000	% Recovery
5	SPK	S96T000644		0	@TICTOC1 TOC-02	SOLID	1.00E+02	1.07E+02	107.000	% Recovery
6	SAMPLE	S96T000647		0	@TICTOC1 TIC-02	SOLID	N/A	2.06E+03	5.000	ug/g
6	SAMPLE	S96T000647		0	@TICTOC1 TOC-02	SOLID	N/A	1.86E+03	40.000	ug/g
7	DUP	S96T000647		0	@TICTOC1 TIC-02	SOLID	2.06E+3	2.31E+3	11.442	RPD
7	DUP	S96T000647		0	@TICTOC1 TOC-02	SOLID	1.86E+3	1.97E+3	5.744	RPD
8	SAMPLE	S96T000650		0	@TICTOC1 TIC-02	SOLID	N/A	1.74e3	5.000	ug/g
8	SAMPLE	S96T000650		0	@TICTOC1 TOC-02	SOLID	N/A	1.27e3	40.000	ug/g
9	DUP	S96T000650		0	@TICTOC1 TIC-02	SOLID	1.73E+3	1.64E+3	5.341	RPD
9	DUP	S96T000650		0	@TICTOC1 TOC-02	SOLID	1.27E+3	1.17E+3	8.197	RPD
10	SAMPLE	S96T000653		0	@TICTOC1 TIC-02	SOLID	N/A	1.56E+03	5.000	ug/g
10	SAMPLE	S96T000653		0	@TICTOC1 TOC-02	SOLID	N/A	1.37E+03	40.000	ug/g
11	DUP	S96T000653		0	@TICTOC1 TIC-02	SOLID	1.56E+3	1.77E+3	12.613	RPD
11	DUP	S96T000653		0	@TICTOC1 TOC-02	SOLID	1.37E+3	1.39E+3	1.449	RPD
12	SAMPLE	S96T001874		0	@TICTOC1 TIC-02	SOLID	N/A	3.29e3	5.000	ug/g
12	SAMPLE	S96T001874		0	@TICTOC1 TOC-02	SOLID	N/A	9.19e2	80.000	ug/g
13	DUP	S96T001874		0	@TICTOC1 TIC-02	SOLID	3.29E+03	1.15E+3	96.700	RPD
13	DUP	S96T001874		0	@TICTOC1 TOC-02	SOLID	9.19E+02	5.97E2	42.500	RPD
14	TRIPL	S96T001874		0	@TICTOC1 TIC-02	SOLID	3.29E+03	1.28E3	87.960	RPD
14	TRIPL	S96T001874		0	@TICTOC1 TOC-02	SOLID	9.19E+02	6.05E2	41.200	RPD

Final page for worklist# 5889

Analyst Signature Date

Analyst Signature Date

Reviewer Signature Date 6/19/96

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

LABCORE Completed Worklist Report for Worklist# 5889

Analyst: jls2 **Instrument:** TOC01 **Book#** _____

Method: _____ Rev/Mod _____

Worklist Comment: U-107 @TICTOC1. RCJ

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
1	BLNK			0	@TICTOC1 TIC-02	SOLID	1	3.10E+0	3.100	ug/g
1	BLNK			0	@TICTOC1 TOC-02	SOLID	1	3.10E+0	3.100	ug/g
2	STD			0	@TICTOC1 TIC-02	SOLID	6.02E+02	5.69E+2	94.518	% Recovery
2	STD			0	@TICTOC1 TOC-02	SOLID	3.00E+03	2.69E+3	89.667	% Recovery
3	SAMPLE	S96T000644		0	@TICTOC1 TIC-02	SOLID	N/A	3.45E+03	5.000	ug/g
3	SAMPLE	S96T000644		0	@TICTOC1 TOC-02	SOLID	N/A	4.87E+03	40.000	ug/g
4	DUP	S96T000644		0	@TICTOC1 TIC-02	SOLID	3.45E+3	3.39E+3	1.754	RPD
4	DUP	S96T000644		0	@TICTOC1 TOC-02	SOLID	4.87E+3	5.01E+3	2.834	RPD
5	SPK	S96T000644		0	@TICTOC1 TIC-02	SOLID	1.00E+02	1.04E+02	104.000	% Recovery
5	SPK	S96T000644		0	@TICTOC1 TOC-02	SOLID	1.00E+02	1.07E+02	107.000	% Recovery
6	SAMPLE	S96T000647		0	@TICTOC1 TIC-02	SOLID	N/A	2.06E+03	5.000	ug/g
6	SAMPLE	S96T000647		0	@TICTOC1 TOC-02	SOLID	N/A	1.86E+03	40.000	ug/g
7	DUP	S96T000647		0	@TICTOC1 TIC-02	SOLID	2.06E+3	2.31E+3	11.442	RPD
7	DUP	S96T000647		0	@TICTOC1 TOC-02	SOLID	1.86E+3	1.97E+3	5.744	RPD
8	SAMPLE	S96T000650		0	@TICTOC1 TIC-02	SOLID	N/A	1.74e3	5.000	ug/g
8	SAMPLE	S96T000650		0	@TICTOC1 TOC-02	SOLID	N/A	1.27e3	40.000	ug/g
9	DUP	S96T000650		0	@TICTOC1 TIC-02	SOLID	1.73E+3	1.64E+3	5.341	RPD
9	DUP	S96T000650		0	@TICTOC1 TOC-02	SOLID	1.27E+3	1.17E+3	8.197	RPD
10	SAMPLE	S96T000653		0	@TICTOC1 TIC-02	SOLID	N/A	1.56E+03	5.000	ug/g
10	SAMPLE	S96T000653		0	@TICTOC1 TOC-02	SOLID	N/A	1.37E+03	40.000	ug/g
11	DUP	S96T000653		0	@TICTOC1 TIC-02	SOLID	1.56E+3	1.77E+3	12.613	RPD
11	DUP	S96T000653		0	@TICTOC1 TOC-02	SOLID	1.37E+3	1.39E+3	1.449	RPD
12	SAMPLE	S96T001874		0	@TICTOC1 TIC-02	SOLID	N/A	3.29e3	5.000	ug/g
12	SAMPLE	S96T001874		0	@TICTOC1 TOC-02	SOLID	N/A	9.19e2	80.000	ug/g

Final page for worklist# 5889

RL Stark 6-4-96
Analyst Signature **Date**

Analyst Signature **Date**

Reviewer Signature **Date**

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

WORKBOOK PAGE: BLANK1

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
	Sample Size in g	(SS)	0.0000	0.0000
BLNK	Dilution Factor	(DF)	1	1
	µg of Carbon in Sample	(C1)	6.7	16.8
5889	µg of Carbon from Baseline	(C2)	3.6	19.9

@TICTOC1

SOLID

96001506

µg of Carbon = |C1-C2|

0

N/A

BLNK

CARB2

RTS

RWS

JLS2

06/03/96

05/31/96

		TIC	TOC
	Method Detection Limit in ug/g	5	40
	µg of Carbon	3.10E+00	3.10E+00

U-107

Data Entered By:	RTS	Date:	06/03/96
Signature of Chemist:	RW Johnson	Date:	6/11/96

BLANK.WB1 REV 1.0 342100ML

WORKBOOK PAGE: STD2

TIC/TOC : LA-342-100 (C-0) LIQUIDS

			TIC	TOC
	Sample Size in mL	(SS)	1.0000	0.2000
STD	Dilution Factor	(DF)	1	1
	Final Coulometer Reading in µg	(C1)	572.9	557
5889	µg of Carbon from Baseline	(C2)	3.6	19.9
	Standard Book Number		22N12B	24N12A
@TICTOC1	Standard Value (µg/ml)		602	3000

Matrix
LIQUID

Batch Number
96001506

Batch
0

Sample Prep
N/A

Sample
STD

Instrument Code
CARB2

Prepared By
RTS

Chemist
RWS

Analyst
JLS2

Date Completed
06/03/96

Analysis Date
05/31/96

Analysis Time

Sample Point
U-107

QC Actual in µg/mL = Standard Value (µg/mL)

QC Found in µg/mL = (C1 - C2) * DF / SS

QC Found in µg/mL for TIC = 5 if C1 < C2

QC Found in µg/mL for TOC = 40 if C1 < C2

% Recovery = QC Found / QC Actual * 100

	TIC	TOC
Method Detection Limit in µg/mL	5	40
QC Actual in µg/mL	6.02E+02	3.00E+03
QC Found in µg/mL	5.69E+02	2.69E+03
Percent Standard Recovery	94.6	89.5

Data Entered By:	RTS	Date:	06/03/96
Signature of Chemist:	RW Schroeder	Date:	6/11/96

STANDARD.WB1 REV 1.0 342100ML

WORKBOOK PAGE: SAM3

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
[illegible]	Sample Size in g	(SS)	0.1089	0.1089
SAMPLE	Dilution Factor	(DF)	1	1
Work Abs	µg of Carbon in Sample	(C1)	379.6	549.7
5889	µg of Carbon from Baseline	(C2)	3.6	19.9
Test Code				
@TICTOC1				

Matrix	
SOLID	
Batch Number	
96001506	
Rerun	µg of Carbon/g = (C1-C2) * DF / SS
0	µg of Carbon/g for TIC = 5 if C1 < C2
Sample Prep	µg of Carbon/g for TOC = 40 if C1 < C2
N/A	
Sample #	
S96T000644	
Instrument Code	
CARB2	
Prepared By	
RTS	
Chemist	
RWS	
Analyst	
JLS2	
Date Complete	
06/03/96	
Analysis Date	
05/31/96	

		TIC	TOC
Analysis Time	Method Detection Limit in ug/g	5	40
Sample Point	µg of Carbon/g	3.45E+03	4.87E+03
U-107			

Data Entered By:	RTS	Date:	06/03/96
Signature of Chemist:	RW Schroeder	Date:	6/11/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: DUP4

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
Type	Sample Size in g	(SS)	0.2305	0.2305
DUP	Dilution Factor	(DF)	1	1
Work Unit	µg of Carbon in Sample	(C1)	786.1	1175.2
5889	µg of Carbon from Baseline	(C2)	3.6	19.9
Method	Known µg of C from Original Sample		3.45E+3	4.87E+3
@TICTOC1				

Matrix: SOLID

Batch Number: 96001506

Rerun: 0

Sample Type: N/A

Sample: S96T000644

Instrument Code: CARB2

Prepared By: RTS

Chemist: RWS

Analyst: JLS2

Date Completed: 06/03/96

Analysis Date: 05/31/96

µg of Carbon/g = (C1-C2) * DF / SS
µg of Carbon/g for TIC = 5 if C1 < C2
µg of Carbon/g for TOC = 40 if C1 < C2

RPD (of Sample and Dup Results) = | Difference | / Average

		TIC	TOC
Analysis Time	Method Detection Limit in ug/g	5	40
Sample Point	µg of Carbon/g	3.39E+03	5.01E+03
U-107	RPD (of Sam and Dup Results)	1.6%	2.9%

Data Entered By:	RTS	Date:	06/03/96
Signature of Chemist:	RW Schroeder	Date:	6/11/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: SPIKE5

TIC/TOC : LA-342-100 (C-0) SOLIDS

Type	Sample Vial Data	TIC	TOC
SPK	Sample Size in g (SS)	0.1089	0.1089
Work List	Final Coulometer Reading in µg (C1)	379.6	549.7
5889	Spiked Vial Data		
Test Code	Sample Size in g (SPK SS)	0.1481	0.1481
@TICTOC1	Amount of Spike Std. in mL (SPK VOL)	0.500	0.100
Matrix	Final Coulometer Reading in µg (C3)	853.9	1116
SOLID	Spike Book Number	22N12B	24N12A
Batch Number	Spike Standard Value in µg/ml	602	3000
96001506	Spike Concentration in µg (SPK CONC)	301	300
Reqn			
0			
Sample Prep	Spike Concentration in µg = (Spike Std. Value in µg/mL)*(SPK VOL)		
N/A			
Sample #	Percent Spike Recovery = (C3) / [(C1/SS * SPK SS) + (SPK CONC)] * 100		
S96T000644			
Instrument Code	QC Actual in µg/mL = Spike Value (µg/mL)		
CARB2	QC Found in µg/mL = (Percent Spike Recovery)*(QC Actual) / 100		
Prepared By			
RTS			
Chemist			
RWS			
Analyst			
JLS2			
Date Complete			
06/03/96			
Analysis Date			
05/31/96			
Analysis Time		TIC	TOC
	QC Actual in µg/mL	6.02E+02	3.00E+03
Sample Point	QC Found in µg/mL	6.29E+02	3.20E+03
U-107	Percent Spike Recovery	104.5	106.5

RW Schroeder 6/11/96

677

WORKBOOK PAGE: SAM6

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
Type	Sample Size in g	(SS)	0.1470	0.1470
SAMPLE	Dilution Factor	(DF)	1	1
Work Log	µg of Carbon in Sample	(C1)	306.7	293.9
5889	µg of Carbon from Baseline	(C2)	3.6	19.9
Method				
@TICTOC1				

Matrix
SOLID

Batch Number
96001506

Rerun
0

Sample Prep
N/A

Sample
S96T000647

Instrument Code
CARB2

Prepared By
RTS

Chemist
RWS

Analyst
JLS2

Date Complete
06/03/96

Analysis Date
05/31/96

µg of Carbon/g = (C1-C2) * DF / SS
µg of Carbon/g for TIC = 5 if C1 < C2
µg of Carbon/g for TOC = 40 if C1 < C2

		TIC	TOC
Analysis Time	Method Detection Limit in ug/g	5	40
Sample Point	µg of Carbon/g	2.06E+03	1.86E+03
U-107			

Data Entered By:	RTS	Date:	06/03/96
Signature of Chemist:	Ric Schneider	Date:	6/11/96

SAMPLE.WB1 REV 1.0 342100ML

678

WORKBOOK PAGE: DUP7

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
Type	Sample Size in g	(SS)	0.1040	0.1040
DUP	Dilution Factor	(DF)	1	1
Work List	µg of Carbon in Sample	(C1)	243.7	224.8
5889	µg of Carbon from Baseline	(C2)	3.6	19.9
Text Code	Known µg of C from Original Sample		2.06E+3	1.86E+3
@TICTOC1				

Matrix	
SOLID	
Batch Number	
96001506	
Rerun	µg of Carbon/g = (C1-C2) * DF / SS
0	µg of Carbon/g for TIC = 5 if C1 < C2
Sample Prep	µg of Carbon/g for TOC = 40 if C1 < C2
N/A	
Sample #	RPD (of Sample and Dup Results) = | Difference | / Average
S96T000647	
Instrument Code	
CARB2	
Prepared By	
RTS	
Chemist	
RWS	
Analyst	
JLS2	
Date Complete	
06/03/96	
Analysis Date	
05/31/96	

		TIC	TOC
Analysis Time	Method Detection Limit in ug/g	5	40
Sample Point	µg of Carbon/g	2.31E+03	1.97E+03
U-107	RPD (of Sam and Dup Results)	11.4%	5.8%

Data Entered By:	RTS	Date:	06/03/96
Signature of Chemist:	RW Schroeder	Date:	6/11/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: SAM8

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
Type	Sample Size in g	(SS)	0.2674	0.2674
SAMPLE	Dilution Factor	(DF)	1	1
Work Order	µg of Carbon in Sample	(C1)	467.5	360.3
5889	µg of Carbon from Baseline	(C2)	3.6	19.9
Instrument				
@TICTOC1				

Matrix: SOLID

Batch Number: 96001506

Run: 0

Sample Prep: N/A

Sample: S96T000650

Instrument: CARB2

Prepared By: RTS

Chemist: RWS

Analyst: JLS2

Date Completed: 06/03/96

Analysis Date: 05/31/96

Analysis Time:

Sample Point: U-107

µg of Carbon/g = (C1-C2) * DF / SS
µg of Carbon/g for TIC = 5 if C1 < C2
µg of Carbon/g for TOC = 40 if C1 < C2

	TIC	TOC
Method Detection Limit in ug/g	5	40
µg of Carbon/g	1.73E+03	1.27E+03

Data Entered By:	RTS	Date:	06/03/96
Signature of Chemist:	RW Schnaeb	Date:	6/11/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: DUP9

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
Dup	Sample Size in g	(SS)	0.2708	0.2708
DUP	Dilution Factor	(DF)	1	1
Weight	µg of Carbon in Sample	(C1)	448.1	338
5889	µg of Carbon from Baseline	(C2)	3.6	19.9
Original	Known µg of C from Original Sample		1.73E+3	1.27E+3
@TICTOC1				

Matrix: SOLID

Batch Number: 96001506

Run: 0

Sample Type: N/A

Sample #: S96T000650

Instrument Code: CARB2

Prepared By: RTS

Chemist: RWS

Analyst: JLS2

Date Complete: 06/03/96

Analysis Date: 05/31/96

Analysis Time:

Sample Point: U-107

µg of Carbon/g = (C1-C2) * DF / SS
µg of Carbon/g for TIC = 5 if C1 < C2
µg of Carbon/g for TOC = 40 if C1 < C2

RPD (of Sample and Dup Results) = | Difference | / Average

	TIC	TOC
Method Detection Limit in ug/g	5	40
µg of Carbon/g	1.64E+03	1.17E+03
RPD (of Sam and Dup Results)	5.3%	7.8%

Data Entered By:	RTS	Date:	06/03/96
Signature of Chemist:	RW Schroeder	Date:	6/11/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: SAM10

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
Type	Sample Size in g	(SS)	0.1475	0.1475
SAMPLE	Dilution Factor	(DF)	1	1
Workbook	µg of Carbon in Sample	(C1)	233.3	222
5889	µg of Carbon from Baseline	(C2)	3.6	19.9
Instrument				
@TICTOC1				

Matrix
SOLID

Batch Number
96001506

Rerun
0

Sample Prep
N/A

Sample
S96T000653

Instrument Method
CARB2

Prepared By
RTS

Chemist
RWS

Analyst
JLS2

Date Complete
06/03/96

Analysis Date
05/31/96

µg of Carbon/g = (C1-C2) * DF / SS
µg of Carbon/g for TIC = 5 if C1 < C2
µg of Carbon/g for TOC = 40 if C1 < C2

		TIC	TOC
Analysis Time	Method Detection Limit in ug/g	5	40
Sample Point	µg of Carbon/g	1.56E+03	1.37E+03
U-107			

Data Entered By:	RTS	Date:	06/03/96
Signature of Chemist:	[signature]	Date:	6/11/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: DUP11

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
Type	Sample Size in g	(SS)	0.1855	0.1855
DUP	Dilution Factor	(DF)	1	1
Workbook	µg of Carbon in Sample	(C1)	332	278.4
5889	µg of Carbon from Baseline	(C2)	3.6	19.9
Test Code	Known µg of C from Original Sample		1.56E+3	1.37E+3
@TICTOC1				

Matrix: SOLID

Batch Number: 96001506

Rerun: 0

Sample Prep: N/A

Sample: S96T000653

Instrument Code: CARB2

Prepared By: RTS

Chemist: RWS

Analyst: JLS2

Date Complete: 06/03/96

Analysis Date: 05/31/96

Analysis Time:

Sample Point: U-107

µg of Carbon/g = (C1-C2) * DF / SS
µg of Carbon/g for TIC = 5 if C1 < C2
µg of Carbon/g for TOC = 40 if C1 < C2

RPD (of Sample and Dup Results) = | Difference | / Average

	TIC	TOC
Method Detection Limit in ug/g	5	40
µg of Carbon/g	1.77E+03	1.39E+03
RPD (of Sam and Dup Results)	12.6%	1.7%

Data Entered By:	RTS	Date:	06/03/96
Signature of Chemist:	RW Schroeder	Date:	6/11/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: SAM12

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
[illegible]	Sample Size in g	(SS)	0.1364	0.1364
SAMPLE	Dilution Factor	(DF)	1	1
[illegible]	µg of Carbon in Sample	(C1)	452.4	145.2
5889	µg of Carbon from Baseline	(C2)	3.6	19.9
[illegible]				
@TICTOC1				

Matrix	
SOLID	
Batch Number	
96004266	
Rerun	µg of Carbon/g = (C1-C2) * DF / SS
0	µg of Carbon/g for TIC = 5 if C1 < C2
Sample Prep	µg of Carbon/g for TOC = 40 if C1 < C2
N/A	
Sample	
S96T001874	
Instrument Code	
CARB2	
Prepared By	
RTS	
Chemist	
RWS	
Analyst	
JLSZ	HCA 6/3/96
Date Complete	
06/03/96	
Analysis Date	
05/31/96	

		TIC	TOC
Analysis Time	Method Detection Limit in ug/g	5	40
Sample Point	µg of Carbon/g	3.29E+03	9.19E+02
U-107			

Data Entered By:	RTS	Date:	06/03/96
Signature of Chemist:	[signature]	Date:	6/11/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: DUP13

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
Type	Sample Size in g	(SS)	0.2902	0.2902
DUP	Dilution Factor	(DF)	1	1
Worksheet	µg of Carbon in Sample	(C1)	336.2	193.2
5889	µg of Carbon from Baseline	(C2)	3.6	19.9
Known µg of C	Known µg of C from Original Sample		3.29E+3	9.19E+2
@TICTOC1				

Matrix: SOLID

Batch Number: 96004266

Rerun: 0

Sample Group: N/A

Sample #: S96T001874

Instrument Code: CARB2

Prepared By: RTS

Chemist: RWS

Analyst: JLS2

Hca 6/3/96

Date Complete: 06/03/96

Analysis Date: 05/31/96

Analysis Time:

Sample Point: U-107

µg of Carbon/g = (C1-C2) * DF / SS
µg of Carbon/g for TIC = 5 if C1 < C2
µg of Carbon/g for TOC = 40 if C1 < C2

RPD (of Sample and Dup Results) = | Difference | / Average

	TIC	TOC
Method Detection Limit in ug/g	5	40
µg of Carbon/g	1.15E+03	5.97E+02
RPD (of Sam and Dup Results)	96.7%	42.5%

Data Entered By:	RTS	Date:	06/03/96
Signature of Chemist:	Ru Johnson	Date:	6/11/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: TRIPL14

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
	Sample Size in g	(SS)	0.2029	0.2029
TRIPL	Dilution Factor	(DF)	1	1
	µg of Carbon in Sample	(C1)	262.8	142.7
5889	µg of Carbon from Baseline	(C2)	3.6	19.9
	Known µg of C from Original Sample		3.29E+3	9.19E+2
@TICTOC1	Duplicate Result		1.15E+3	5.97E+2

Units: SOLID

Batch Number: 96004266

Rerun: 0

Sample Dup: N/A

Sample: S96T001874

Instrument Code: CARB2

Prepared By: RTS

Chemist: RWS

Analyst: JLS2

Date Complete: 06/03/96

Analysis Date: 05/31/96

Analysis Time:

Sample Point: U-107

µg of Carbon/g = (C1-C2) * DF / SS
µg of Carbon/g for TIC = 5 if C1 < C2
µg of Carbon/g for TOC = 40 if C1 < C2

RSD (of Sam, Dup, and Tripl Results) = Standard Deviation / Average

Hea 6/3/96

	TIC	TOC
Method Detection Limit in ug/g	5	40
µg of Carbon/g	1.28E+03	6.05E+02
RSD (of Sam, Dup, and Tripl Results)	0.6299	0.2596

Data Entered By:	RTS	Date:	06/03/96
Signature of Chemist:	RW Schwieger	Date:	6/11/96

SAMPLE.WB1 REV 1.0 342100ML

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

Sample: BASELINE Date: 05/31/96 Time: 08:34:22

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	0.30	66.67
3	1.51	0.50	40.00
4	2.01	0.90	44.44
5	2.50	1.10	18.18
6	3.00	1.40	21.43
7	3.50	1.50	6.67
8	4.00	1.70	11.76
9	4.50	1.80	5.56
10	5.00	1.90	5.26
11	5.50	2.10	9.52
12	6.00	2.20	4.55
13	6.50	2.40	8.33
14	7.00	2.50	4.00
15	7.50	2.70	7.41
16	8.00	2.80	3.57
17	8.50	3.00	6.67
18	9.00	3.10	3.23
19	9.50	3.30	6.06
20	10.00	3.40	2.94
21	10.50	3.50	2.86
22	11.00	3.60	2.78

BLANK VALUE = 3.6 micrograms carbon
BLANK FACTOR = 3.6 / 10.99884 = +3.3E-01 ug/min Carbon

Sample Run By: Jane Steele 5/31/96
JL STEELE 00000

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

Sample: BASELINE Date: 05/31/96 Time: 08:50:31

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	2.60	96.15
3	1.50	5.80	55.17
4	2.00	10.30	43.69
5	2.50	13.50	23.70
6	3.01	15.20	11.18
7	3.51	16.10	5.59
8	4.00	16.60	3.01
9	4.50	17.00	2.35
10	5.00	17.30	1.73
11	5.50	17.60	1.70
12	6.00	17.90	1.68
13	6.50	18.10	1.10
14	7.00	18.40	1.63
15	7.50	18.60	1.08
16	8.00	18.80	1.06
17	8.50	18.90	0.53
18	9.00	19.10	1.05
19	9.50	19.30	1.04
20	10.00	19.60	1.53
21	10.50	19.70	0.51
22	11.00	19.90	1.01

BLANK VALUE = 19.9 micrograms carbon
BLANK FACTOR = 19.9 / 10.99976 = +1.81E+00 ug/min Carbon

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

Sample Run By: Jackie Steele 5/31/96
JL STEELE 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 22N12B Date: 05/31/96 Time: 09:03:37

Sample Size = 1 uL 1ml
Dil Factor = 1
Blank ID # =
Blank Value = .33 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	9.00	100.00
3	1.50	106.70	91.57
4	2.00	263.10	59.45
5	2.50	392.00	32.88
6	3.00	471.30	16.83
7	3.50	521.80	9.68
8	4.00	550.60	5.23
9	4.50	563.30	2.25
10	5.00	567.70	0.78
11	5.50	569.50	0.32
12	6.00	570.40	0.16
13	6.50	570.90	0.09
14	7.00	571.20	0.05
15	7.50	571.50	0.05
16	8.00	571.70	0.03
17	8.50	571.90	0.03
18	9.00	572.20	0.05
19	9.50	572.30	0.02
20	10.00	572.60	0.05
21	10.50	572.80	0.03
22	11.00	572.90	0.02

USER INPUT BLANK VALUE
BLANK VALUE = 3.62992 micrograms carbon
BLANK FACTOR = 3.62992 / 10.99976 = +3.3E-01 ug/min Carbon

SAMPLE RESULTS:
(572.9 - 3.62994)(1)/(1) = +5.693E+02 g/L Carbon
(572.9 - 3.62994)(1)/(1)(12) = +4.744E+01 Molar Carbon

Sample Run By: Jackie Steele 5/31/96
JL STEELE 00000

$\frac{569.3}{602} = 94.57\%$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 24N12A Date: 05/31/96 Time: 09:15:49

Sample Size = 1 uL 200ml
Dil Factor = 1
Blank ID # =
Blank Value = 1.81 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	5.20	100.00
3	1.50	39.50	86.84
4	2.00	171.50	76.97
5	2.50	366.40	53.19
6	3.00	476.60	23.12
7	3.50	523.40	8.94
8	4.00	543.70	3.73
9	4.50	550.10	1.16
10	5.00	552.10	0.36
11	5.50	553.10	0.18
12	6.00	553.80	0.13
13	6.50	554.30	0.09
14	7.00	554.70	0.07
15	7.50	555.10	0.07
16	8.00	555.50	0.07
17	8.50	555.80	0.05
18	9.00	556.00	0.04
19	9.50	556.30	0.05
20	10.00	556.50	0.04
21	10.50	556.80	0.05
22	11.00	557.00	0.04

USER INPUT BLANK VALUE
BLANK VALUE = 19.90956 micrograms carbon
BLANK FACTOR = 19.90956 / 10.99976 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(557 - 19.9079)(1)/(1) = +5.371E+02 g/L Carbon
(557 - 19.9079)(1)/(1)(12) = +4.476E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 5/31/96
JL STEELE 00000

$\frac{537.1}{.200ml} = \frac{2685.5}{3.00^{E3}} = 89.58$

690

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 05/31/96 Time: 09:27:55

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .33 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	1.70	94.12
3	1.51	2.90	41.38
4	2.01	3.40	14.71
5	2.51	3.80	10.53
6	3.01	4.10	7.32
7	3.50	4.30	4.65
8	4.00	4.50	4.44
9	4.50	4.70	4.26
10	5.00	4.80	2.08
11	5.50	5.00	4.00
12	6.00	5.10	1.96
13	6.50	5.30	3.77
14	7.00	5.50	3.64
15	7.50	5.60	1.79
16	8.00	5.80	3.45
17	8.50	5.90	1.69
18	9.00	6.10	3.28
19	9.50	6.20	1.61
20	10.00	6.40	3.13
21	10.50	6.50	1.54
22	11.00	6.70	2.99

USER INPUT BLANK VALUE
BLANK VALUE = 3.62992 micrograms carbon
BLANK FACTOR = 3.62992 / 10.99976 = +3.3E-01 ug/min Carbon

SAMPLE RESULTS:
(6.7 - 3.630222)(1)/(1) = +3.1E+00 g/L Carbon
(6.7 - 3.630222)(1)/(1)(12) = +2.6E-01 Molar Carbon

Sample Run By: Jackie Steele 5/31/96
JL STEELE 00000

|6.70 − 3.60| = 3.1

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 05/31/96 Time: 09:43:04

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.81 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	0.40	100.00
3	1.50	2.50	84.00
4	2.00	6.60	62.12
5	2.50	10.00	34.00
6	3.00	11.90	15.97
7	3.50	12.90	7.75
8	4.00	13.50	4.44
9	4.50	13.90	2.88
10	5.00	14.20	2.11
11	5.50	14.50	2.07
12	6.00	14.80	2.03
13	6.50	15.10	1.99
14	7.00	15.30	1.31
15	7.50	15.50	1.29
16	8.00	15.80	1.90
17	8.50	16.00	1.25
18	9.00	16.10	0.62
19	9.50	16.30	1.23
20	10.00	16.50	1.21
21	10.50	16.70	1.20
22	11.00	16.80	0.60

USER INPUT BLANK VALUE
BLANK VALUE = 19.90956 micrograms carbon
BLANK FACTOR = 19.90956 / 10.99976 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(16.8 - 19.91121)(1)/(1) = < 5.00 E-3 g/L Carbon
(16.8 - 19.91121)(1)/(1)(12) = < 4.17 E-4 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 5/31/96
JL STEELE 00000

|16.80 - 19.90| = 3.1

692

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000644 Date: 05/31/96 Time: 13:45:15

Sample Size = 1 uL .1089g
Dil Factor = 1
Blank ID # =
Blank Value = .33 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	20.50	97.56
3	1.50	79.00	74.05
4	2.00	161.00	50.93
5	2.50	227.80	29.32
6	3.00	275.30	17.25
7	3.50	308.70	10.82
8	4.00	330.50	6.60
9	4.50	342.30	3.45
10	5.00	349.10	1.95
11	5.50	354.20	1.44
12	6.00	358.60	1.23
13	6.50	362.20	0.99
14	7.00	365.30	0.85
15	7.50	367.80	0.68
16	8.00	370.20	0.65
17	8.50	372.30	0.56
18	9.00	374.20	0.51
19	9.50	375.80	0.43
20	10.00	377.30	0.40
21	10.50	378.40	0.29
22	11.00	379.60	0.32

USER INPUT BLANK VALUE
BLANK VALUE = 3.62992 micrograms carbon
BLANK FACTOR = 3.62992 / 10.99976 = +3.3E-01 ug/min Carbon

SAMPLE RESULTS:
(379.6 - 3.629013)(1)/(1) = +3.760E+02 g/L Carbon
(379.6 - 3.629013)(1)/(1)(12) = +3.133E+01 Molar Carbon

Sample Run By: Jackie Steele 5/31/96
JL STEELE 00000

$\frac{376.0}{.1089g} = 3.453^{E3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000644 Date: 05/31/96 Time: 13:58:23

Sample Size = 1 uL .1089g
Dil Factor = 1
Blank ID # =
Blank Value = 1.81 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	16.10	89.44
3	1.51	88.10	81.73
4	2.00	188.20	53.19
5	2.50	307.00	38.70
6	3.00	405.10	24.22
7	3.50	462.10	12.33
8	4.00	497.50	7.12
9	4.50	517.30	3.83
10	5.00	526.50	1.75
11	5.50	531.60	0.96
12	6.00	534.80	0.60
13	6.50	537.50	0.50
14	7.00	539.70	0.41
15	7.50	541.40	0.31
16	8.00	543.10	0.31
17	8.50	544.50	0.26
18	9.00	545.70	0.22
19	9.50	546.80	0.20
20	10.00	547.80	0.18
21	10.50	548.80	0.18
22	11.00	549.70	0.16

USER INPUT BLANK VALUE
BLANK VALUE = 19.90956 micrograms carbon
BLANK FACTOR = 19.90956 / 10.99976 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(549.7 - 19.90978)(1)/(1) = +5.298E+02 g/L Carbon
(549.7 - 19.90978)(1)/(1)(12) = +4.415E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 6/31/96
JL STEELE 00000

$\frac{529.8}{.1089g} = 4.865^{E3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 644 DUP Date: 05/31/96 Time: 14:11:03

Sample Size = 1 uL .2305g
Dil Factor = 1
Blank ID # =
Blank Value = .33 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	43.50	96.55
3	1.51	172.50	74.78
4	2.00	338.70	49.07
5	2.50	466.60	27.41
6	3.00	551.70	15.43
7	3.50	612.90	9.99
8	4.00	655.10	6.44
9	4.50	686.30	4.55
10	5.00	708.10	3.08
11	5.50	723.50	2.13
12	6.00	735.50	1.63
13	6.50	744.70	1.24
14	7.00	752.40	1.02
15	7.50	758.80	0.84
16	8.00	764.40	0.73
17	8.50	769.40	0.65
18	9.00	773.50	0.53
19	9.50	776.90	0.44
20	10.00	780.10	0.41
21	10.50	783.20	0.40
22	11.00	786.10	0.37

USER INPUT BLANK VALUE
BLANK VALUE = 3.62992 micrograms carbon
BLANK FACTOR = 3.62992 / 10.99976 = +3.3E-01 ug/min Carbon

SAMPLE RESULTS:
(786.1 - 3.62994)(1)/(1) = +7.825E+02 g/L Carbon
(786.1 - 3.62994)(1)/(1)(12) = +6.521E+01 Molar Carbon

Sample Run By: Jackie Steele 5/31/96
JL STEELE 00000

$\frac{782.5}{.2305g} = 3.3953$

C95

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 644 DUP Date: 05/31/96 Time: 14:24:22

Sample Size = 1 uL, .2305g
Dil Factor = 1
Blank ID # =
Blank Value = 1.81 ug/minute C

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

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	4.00	0.00
2	1.01	37.00	89.19
3	1.50	202.60	81.74
4	2.00	398.80	49.20
5	2.50	582.90	31.58
6	3.00	781.40	25.40
7	3.50	940.10	16.88
8	4.00	1025.80	8.35
9	4.50	1076.50	4.71
10	5.00	1109.00	2.93
11	5.50	1129.10	1.78
12	6.00	1140.20	0.97
13	6.50	1147.80	0.66
14	7.00	1153.30	0.48
15	7.50	1157.80	0.39
16	8.00	1161.40	0.31
17	8.50	1164.60	0.27
18	9.00	1167.30	0.23
19	9.50	1169.70	0.21
20	10.00	1171.70	0.17
21	10.50	1173.50	0.15
22	11.00	1175.20	0.14

USER INPUT BLANK VALUE
BLANK VALUE = 19.90956 micrograms carbon
BLANK FACTOR = 19.90956 / 10.99976 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(1175.2 - 19.90613)(1)/(1) = +1.1553E+03 g/L Carbon
(1175.2 - 19.90613)(1)/(1)(12) = +9.6274E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jacque Steele 5/31/96
JL STEELE 00000

$\frac{1155.3}{.2305g} = 5.012E3$

C96

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 644 SPIKE Date: 05/31/96 Time: 14:39:05

Sample Size = 1 uL .1481g +
Dil Factor = 1
Blank ID # = .500ml 22N12B
Blank Value = .33 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	28.20	97.52
3	1.51	176.60	84.03
4	2.00	376.00	53.03
5	2.50	529.30	28.96
6	3.00	633.30	16.42
7	3.50	699.90	9.52
8	4.00	743.30	5.84
9	4.50	772.80	3.82
10	5.00	791.90	2.41
11	5.50	803.50	1.44
12	6.00	812.10	1.06
13	6.50	819.10	0.85
14	7.00	825.30	0.75
15	7.50	830.30	0.60
16	8.00	835.20	0.59
17	8.50	839.30	0.49
18	9.00	842.80	0.42
19	9.50	846.20	0.40
20	10.00	848.90	0.32
21	10.50	851.60	0.32
22	11.00	853.90	0.27

USER INPUT BLANK VALUE
BLANK VALUE = 3.62992 micrograms carbon
BLANK FACTOR = 3.62992 / 10.99976 = +3.3E-01 ug/min Carbon

SAMPLE RESULTS:
(853.9 - 3.62994)(1)/(1) = +8.503E+02 g/L Carbon
(853.9 - 3.62994)(1)/(1)(12) = +7.086E+01 Molar Carbon

Sample Run By: Joseph Steele 5/31/96
JL STEELE 00000

$$\frac{853.90}{\frac{379.60}{.1089} \times .1481 + 300} = \frac{853.90}{816.24} = 104.61\%$$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 644 SPIKE Date: 05/31/96 Time: 14:51:50

Sample Size = 1 uL .1481g + .100ml 24N12A
Dil Factor = 1
Blank ID # =
Blank Value = 1.81 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	1.00	29.50	89.49
3	1.50	148.70	80.16
4	2.00	316.10	52.96
5	2.50	523.60	39.63
6	3.00	762.40	31.32
7	3.50	919.00	17.04
8	4.00	993.80	7.53
9	4.50	1036.80	4.15
10	5.00	1063.80	2.54
11	5.50	1079.40	1.45
12	6.00	1087.90	0.78
13	6.50	1093.70	0.53
14	7.00	1098.10	0.40
15	7.50	1101.60	0.32
16	8.00	1104.50	0.26
17	8.50	1106.90	0.22
18	9.00	1109.10	0.20
19	9.50	1110.90	0.16
20	10.00	1112.90	0.18
21	10.50	1114.40	0.13
22	11.00	1116.00	0.14

USER INPUT BLANK VALUE
BLANK VALUE = 19.90956 micrograms carbon
BLANK FACTOR = 19.90956 / 10.99976 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(1116 - 19.90746)(1)/(1) = +1.0961E+03 g/L Carbon
(1116 - 19.90746)(1)/(1)(12) = +9.1341E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 5/31/96
JL STEELE 00000

698

~~1096.18~~ 5/31/96

$$\frac{1116.00}{\frac{549.70}{.1089} \times .1480 + 300} = \frac{1116.00}{1042.02} = 107.10\%$$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000647 Date: 05/31/96 Time: 15:04:52

Sample Size = 1 uL .1470g
Dil Factor = 1
Blank ID # =
Blank Value = .33 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	8.70	85.06
3	1.50	46.70	81.37
4	2.00	102.10	54.26
5	2.51	156.40	34.72
6	3.01	199.60	21.64
7	3.51	229.20	12.91
8	4.01	247.80	7.51
9	4.50	259.90	4.66
10	5.00	269.40	3.53
11	5.50	276.40	2.53
12	6.00	281.20	1.71
13	6.50	285.70	1.58
14	7.00	289.30	1.24
15	7.50	292.50	1.09
16	8.00	295.30	0.95
17	8.50	297.80	0.84
18	9.00	299.80	0.67
19	9.50	301.80	0.66
20	10.00	303.50	0.56
21	10.50	305.20	0.56
22	11.00	306.70	0.49

USER INPUT BLANK VALUE
BLANK VALUE = 3.62992 micrograms carbon
BLANK FACTOR = 3.62992 / 10.99976 = +3.3E-01 ug/min Carbon

SAMPLE RESULTS:
(306.7 - 3.630222)(1)/(1) = +3.031E+02 g/L Carbon
(306.7 - 3.630222)(1)/(1)(12) = +2.526E+01 Molar Carbon

Sample Run By: Jacque Steele 5/31/96
JL STEELE 00000

$\frac{303.1}{.1470g} = 2.062E3$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T00647 Date: 05/31/96 Time: 15:16:53

Sample Size = 1 uL , 1470g
Dil Factor = 1
Blank ID # =
Blank Value = 1.81 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	11.60	84.48
3	1.50	49.50	76.57
4	2.00	109.30	54.71
5	2.50	172.90	36.78
6	3.00	219.20	21.12
7	3.50	247.70	11.51
8	4.00	262.40	5.60
9	4.50	267.70	1.98
10	5.00	271.60	1.44
11	5.50	275.50	1.42
12	6.00	279.30	1.36
13	6.50	281.80	0.89
14	7.00	283.90	0.74
15	7.50	285.50	0.56
16	8.00	287.10	0.56
17	8.50	288.40	0.45
18	9.00	289.70	0.45
19	9.50	290.80	0.38
20	10.00	291.90	0.38
21	10.50	292.90	0.34
22	11.00	293.90	0.34

USER INPUT BLANK VALUE
BLANK VALUE = 19.90956 micrograms carbon
BLANK FACTOR = 19.90956 / 10.99976 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(293.9 - 19.91121)(1)/(1) = +2.740E+02 g/L Carbon
(293.9 - 19.91121)(1)/(1)(12) = +2.283E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 5/31/96
JL STEELE 00000

$\frac{274.0}{.1470g} = 1.864E3$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 647 DUP Date: 05/31/96 Time: 15:30:58

Sample Size = 1 uL .1040g
Dil Factor = 1
Blank ID # =
Blank Value = .33 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	7.70	85.71
3	1.50	48.20	84.02
4	2.00	100.00	51.80
5	2.50	143.40	30.26
6	3.00	175.90	18.48
7	3.50	197.40	10.89
8	4.00	209.20	5.64
9	4.50	215.60	2.97
10	5.00	220.00	2.00
11	5.50	223.30	1.48
12	6.00	226.30	1.33
13	6.50	228.90	1.14
14	7.00	231.10	0.95
15	7.50	233.30	0.94
16	8.00	235.30	0.85
17	8.50	237.00	0.72
18	9.00	238.80	0.75
19	9.50	240.20	0.58
20	10.00	241.70	0.62
21	10.50	242.80	0.45
22	11.00	243.70	0.37

USER INPUT BLANK VALUE
BLANK VALUE = 3.62992 micrograms carbon
BLANK FACTOR = 3.62992 / 10.99976 = +3.3E-01 ug/min Carbon

SAMPLE RESULTS:
(243.7 - 3.6299)(1)/(1) = +2.401E+02 g/L Carbon
(243.7 - 3.6299)(1)/(1)(12) = +2.001E+01 Molar Carbon

Sample Run By: Jackie Steele 5/31/96
JL STEELE 00000

$\frac{240.1}{.1040g} = 2.30923$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 647 DUP Date: 05/31/96 Time: 15:43:47

Sample Size = 1 uL .1040g
Dil Factor = 1
Blank ID # =
Blank Value = 1.81 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	8.70	85.06
3	1.51	40.20	78.36
4	2.01	87.00	53.79
5	2.51	135.90	35.98
6	3.00	171.60	20.80
7	3.50	194.00	11.55
8	4.00	204.30	5.04
9	4.50	208.70	2.11
10	5.00	211.60	1.37
11	5.50	213.70	0.98
12	6.00	215.50	0.84
13	6.50	216.90	0.65
14	7.00	218.00	0.50
15	7.50	219.20	0.55
16	8.00	220.20	0.45
17	8.50	221.20	0.45
18	9.00	221.90	0.32
19	9.50	222.80	0.40
20	10.00	223.40	0.27
21	10.50	224.20	0.36
22	11.00	224.80	0.27

USER INPUT BLANK VALUE
BLANK VALUE = 19.90956 micrograms carbon
BLANK FACTOR = 19.90956 / 10.99976 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(224.8 - 19.91121)(1)/(1) = +2.049E+02 g/L Carbon
(224.8 - 19.91121)(1)/(1)(12) = +1.707E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 5/31/96
JL STEELE 00000

$\frac{204.9}{.1040g} = 1.970E3$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000650 Date: 05/31/96 Time: 09:57:06

Sample Size = 1 uL .2674g
Dil Factor = 1
Blank ID # =
Blank Value = .33 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	7.40	100.00
3	1.51	77.30	90.43
4	2.00	186.40	58.53
5	2.50	282.70	34.06
6	3.00	347.60	18.67
7	3.50	391.90	11.30
8	4.00	417.90	6.22
9	4.50	433.00	3.49
10	5.00	441.20	1.86
11	5.50	446.10	1.10
12	6.00	449.70	0.80
13	6.50	453.90	0.93
14	7.00	456.70	0.61
15	7.50	459.10	0.52
16	8.00	460.80	0.37
17	8.50	462.30	0.32
18	9.00	463.40	0.24
19	9.50	464.60	0.26
20	10.00	465.70	0.24
21	10.50	466.70	0.21
22	11.00	467.50	0.17

USER INPUT BLANK VALUE
BLANK VALUE = 3.62992 micrograms carbon
BLANK FACTOR = 3.62992 / 10.99976 = +3.3E-01 ug/min Carbon

SAMPLE RESULTS:
(467.5 - 3.630242)(1)/(1) = +4.639E+02 g/L Carbon
(467.5 - 3.630242)(1)/(1)(12) = +3.866E+01 Molar Carbon

Sample Run By: Jackie Steele 5/31/96
JL STEELE 00000

$\frac{463.9}{.2674g} = 1.735^{83}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000650 Date: 05/31/96 Time: 10:09:28

Sample Size = 1 uL .2674g
Dil Factor = 1
Blank ID # =
Blank Value = 1.81 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	1.00	5.60	87.50
3	1.50	45.70	87.75
4	2.00	129.30	64.66
5	2.50	224.80	42.48
6	3.00	287.80	21.89
7	3.50	322.10	10.65
8	4.00	338.40	4.82
9	4.50	345.00	1.91
10	5.00	348.50	1.00
11	5.50	351.10	0.74
12	6.00	352.90	0.51
13	6.50	354.20	0.37
14	7.00	355.40	0.34
15	7.50	356.40	0.28
16	8.00	357.10	0.20
17	8.50	357.80	0.20
18	9.00	358.30	0.14
19	9.50	358.90	0.17
20	10.00	359.40	0.14
21	10.50	359.80	0.11
22	11.00	360.30	0.14

USER INPUT BLANK VALUE
BLANK VALUE = 19.90956 micrograms carbon
BLANK FACTOR = 19.90956 / 10.99976 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(360.3 - 19.9079)(1)/(1) = +3.404E+02 g/L Carbon
(360.3 - 19.9079)(1)/(1)(12) = +2.837E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 5/31/96
JL STEELE 00000

$\frac{340.4}{.2674g} = 1.348^{E3}$

704

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 650 DUP Date: 05/31/96 Time: 10:21:24

Sample Size = 1 uL .2908g
Dil Factor = 1
Blank ID # =
Blank Value = .33 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	10.20	98.04
3	1.51	88.70	88.50
4	2.00	202.90	56.28
5	2.50	293.60	30.89
6	3.01	350.50	16.23
7	3.50	387.70	9.60
8	4.00	408.50	5.09
9	4.50	419.00	2.51
10	5.00	424.80	1.37
11	5.50	429.00	0.98
12	6.00	432.40	0.79
13	6.50	435.30	0.67
14	7.00	437.70	0.55
15	7.50	439.40	0.39
16	8.00	441.20	0.41
17	8.50	442.70	0.34
18	9.00	444.00	0.29
19	9.50	445.20	0.27
20	10.00	446.20	0.22
21	10.50	447.20	0.22
22	11.00	448.10	0.20

USER INPUT BLANK VALUE
BLANK VALUE = 3.62992 micrograms carbon
BLANK FACTOR = 3.62992 / 10.99976 = +3.3E-01 ug/min Carbon

SAMPLE RESULTS:
(448.1 - 3.629335)(1)/(1) = +4.445E+02 g/L Carbon
(448.1 - 3.629335)(1)/(1)(12) = +3.704E+01 Molar Carbon

Sample Run By: Jacque Steele 5/31/96
JL STEELE 00000

$\frac{444.5}{.2908g}$ = ~~1.528E3~~ JS 5/31/96
1.641E3

705

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 650 DUP Date: 05/31/96 Time: 10:33:41

Sample Size = 1 uL , 2908g
Dil Factor = 1
Blank ID # =
Blank Value = 1.81 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	4.50	80.00
3	1.51	37.20	87.90
4	2.00	108.70	65.78
5	2.50	204.00	46.72
6	3.00	265.90	23.28
7	3.50	300.00	11.37
8	4.00	316.70	5.27
9	4.50	323.50	2.10
10	5.00	326.70	0.98
11	5.50	329.20	0.76
12	6.00	331.00	0.54
13	6.50	332.30	0.39
14	7.00	333.50	0.36
15	7.50	334.40	0.27
16	8.00	335.20	0.24
17	8.50	335.90	0.21
18	9.00	336.50	0.18
19	9.50	337.10	0.18
20	10.00	337.50	0.12
21	10.50	338.00	0.15
22	11.00	338.40	0.12

USER INPUT BLANK VALUE
BLANK VALUE = 19.90956 micrograms carbon
BLANK FACTOR = 19.90956 / 10.99976 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(338.4 - 19.91121)(1)/(1) = +3.185E+02 g/L Carbon
(338.4 - 19.91121)(1)/(1)(12) = +2.654E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jacque Steele 5/31/96
JL STEELE 00000

$\frac{318.5}{.2908g} = \cancel{1.095E3}$ JS 5/31/96
$1.176E3$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T00653 Date: 05/31/96 Time: 12:55:09

Sample Size = 1 uL .1475g
Dil Factor = 1
Blank ID # =
Blank Value = .33 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	4.60	97.83
3	1.51	42.80	89.25
4	2.00	92.40	53.68
5	2.50	136.20	32.16
6	3.00	167.00	18.44
7	3.50	186.00	10.22
8	4.00	195.80	5.01
9	4.50	201.80	2.97
10	5.00	206.10	2.09
11	5.50	209.20	1.48
12	6.00	212.10	1.37
13	6.50	214.50	1.12
14	7.00	218.10	1.65
15	7.50	221.80	1.67
16	8.00	225.10	1.47
17	8.50	227.30	0.97
18	9.00	229.10	0.79
19	9.50	230.30	0.52
20	10.00	231.40	0.48
21	10.50	232.40	0.43
22	11.00	233.30	0.39

USER INPUT BLANK VALUE
BLANK VALUE = 3.62992 micrograms carbon
BLANK FACTOR = 3.62992 / 10.99976 = +3.3E-01 ug/min Carbon

SAMPLE RESULTS:
(233.3 - 3.62996)(1)/(1) = +2.297E+02 g/L Carbon
(233.3 - 3.62996)(1)/(1)(12) = +1.914E+01 Molar Carbon

Sample Run By: Jackie Steele 5/31/96
JL STEELE 00000

$\frac{229.7}{.1475g} = 1.576^{E3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T000653 Date: 05/31/96 Time: 13:07:27

Sample Size = 1 uL .1475g
Dil Factor = 1
Blank ID # =
Blank Value = 1.81 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	8.40	86.90
3	1.51	40.80	79.41
4	2.00	95.20	57.14
5	2.50	145.70	34.66
6	3.00	179.90	19.01
7	3.50	197.60	8.96
8	4.00	204.60	3.42
9	4.50	208.30	1.78
10	5.00	210.70	1.14
11	5.50	212.80	0.99
12	6.00	214.20	0.65
13	6.50	215.60	0.65
14	7.00	216.60	0.46
15	7.50	217.50	0.41
16	8.00	218.40	0.41
17	8.50	219.10	0.32
18	9.00	219.80	0.32
19	9.50	220.50	0.32
20	10.00	221.10	0.27
21	10.50	221.50	0.18
22	11.00	222.00	0.23

USER INPUT BLANK VALUE
BLANK VALUE = 19.90956 micrograms carbon
BLANK FACTOR = 19.90956 / 10.99976 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(222 - 19.9111)(1)/(1) = +2.021E+02 g/L Carbon
(222 - 19.9111)(1)/(1)(12) = +1.684E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 5/31/96
JL STEELE 00000

$\frac{202.1}{.1475g} = 1.370^{E3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 653 DUP Date: 05/31/96 Time: 13:19:31

Sample Size = 1 uL .1855g
Dil Factor = 1
Blank ID # =
Blank Value = .33 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	5.30	92.45
3	1.51	49.50	89.29
4	2.00	116.30	57.44
5	2.50	179.20	35.10
6	3.00	225.70	20.60
7	3.50	259.30	12.96
8	4.00	281.20	7.79
9	4.50	294.20	4.42
10	5.00	302.10	2.62
11	5.50	307.30	1.69
12	6.00	311.40	1.32
13	6.50	315.10	1.17
14	7.00	318.30	1.01
15	7.50	320.80	0.78
16	8.00	323.30	0.77
17	8.50	325.20	0.58
18	9.00	326.90	0.52
19	9.50	328.50	0.49
20	10.00	329.80	0.39
21	10.50	331.00	0.36
22	11.00	332.00	0.30

USER INPUT BLANK VALUE
BLANK VALUE = 3.62992 micrograms carbon
BLANK FACTOR = 3.62992 / 10.99976 = +3.3E-01 ug/min Carbon

SAMPLE RESULTS:
(332 - 3.630242)(1)/(1) = +3.284E+02 g/L Carbon
(332 - 3.630242)(1)/(1)(12) = +2.736E+01 Molar Carbon

Sample Run By: Jane Steele 5/31/96
JL STEELE 00000

$\frac{328.4}{.1855g} = 1.770^{83}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 653 DUP Date: 05/31/96 Time: 13:32:54

Sample Size = 1 uL ,1855g
Dil Factor = 1
Blank ID # =
Blank Value = 1.81 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	4.80	75.00
3	1.50	31.40	84.71
4	2.00	85.00	63.06
5	2.50	152.30	44.19
6	3.00	203.40	25.12
7	3.50	235.70	13.70
8	4.00	251.80	6.39
9	4.50	258.80	2.70
10	5.00	262.80	1.52
11	5.50	265.80	1.13
12	6.00	267.80	0.75
13	6.50	269.60	0.67
14	7.00	271.10	0.55
15	7.50	272.40	0.48
16	8.00	273.70	0.47
17	8.50	274.70	0.36
18	9.00	275.50	0.29
19	9.50	276.50	0.36
20	10.00	277.10	0.22
21	10.50	277.80	0.25
22	11.00	278.40	0.22

USER INPUT BLANK VALUE
BLANK VALUE = 19.90956 micrograms carbon
BLANK FACTOR = 19.90956 / 10.99976 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(278.4 - 19.90945)(1)/(1) = +2.585E+02 g/L Carbon
(278.4 - 19.90945)(1)/(1)(12) = +2.154E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 5/31/96
JL STEELE 00000

$\frac{258.5}{.1855g} = 1.392^{E3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001874 Date: 05/31/96 Time: 17:16:25

Sample Size = 1 uL .1364g
Dil Factor = 1
Blank ID # =
Blank Value = .33 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	7.80	92.31
3	1.50	67.80	88.50
4	2.00	183.50	63.05
5	2.50	280.30	34.53
6	3.00	343.60	18.42
7	3.50	386.00	10.98
8	4.00	412.50	6.42
9	4.50	428.30	3.69
10	5.00	434.30	1.38
11	5.50	437.70	0.78
12	6.00	440.00	0.52
13	6.50	441.90	0.43
14	7.00	443.50	0.36
15	7.50	445.00	0.34
16	8.00	446.40	0.31
17	8.50	447.70	0.29
18	9.00	448.80	0.25
19	9.50	449.90	0.24
20	10.00	450.80	0.20
21	10.50	451.50	0.16
22	11.00	452.40	0.20

USER INPUT BLANK VALUE
BLANK VALUE = 3.62992 micrograms carbon
BLANK FACTOR = 3.62992 / 10.99976 = +3.3E-01 ug/min Carbon

SAMPLE RESULTS:
(452.4 - 3.630484)(1)/(1) = +4.488E+02 g/L Carbon
(452.4 - 3.630484)(1)/(1)(12) = +3.740E+01 Molar Carbon

Sample Run By: Jaenie Steele 5/31/96
JL STEELE 00000

$\frac{448.8}{.1364g} = 3.290^{23}$

711

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001874 Date: 05/31/96 Time: 17:28:31

Sample Size = 1 uL ,1364g
Dil Factor = 1
Blank ID # =
Blank Value = 1.81 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	8.80	94.32
3	1.50	37.40	76.47
4	2.00	72.10	48.13
5	2.50	101.70	29.11
6	3.00	120.40	15.53
7	3.50	128.60	6.38
8	4.00	132.30	2.80
9	4.50	134.80	1.85
10	5.00	136.30	1.10
11	5.50	137.70	1.02
12	6.00	138.80	0.79
13	6.50	139.80	0.72
14	7.00	140.60	0.57
15	7.50	141.30	0.50
16	8.00	142.00	0.49
17	8.50	142.60	0.42
18	9.00	143.10	0.35
19	9.50	143.70	0.42
20	10.00	144.20	0.35
21	10.50	144.60	0.28
22	11.00	145.20	0.41

USER INPUT BLANK VALUE
BLANK VALUE = 19.90956 micrograms carbon
BLANK FACTOR = 19.90956 / 10.99976 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(145.2 - 19.90624)(1)/(1) = +1.253E+02 g/L Carbon
(145.2 - 19.90624)(1)/(1)(12) = +1.044E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 5/31/96
JL STEELE 00000

$\frac{125.3}{.1364g} = 9.1982$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1874 DUP Date: 05/31/96 Time: 17:41:44

Sample Size = 1 uL .2902g
Dil Factor = 1
Blank ID # =
Blank Value = .33 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	8.90	95.51
3	1.50	60.70	85.34
4	2.00	137.50	55.85
5	2.50	201.60	31.80
6	3.00	247.40	18.51
7	3.50	277.90	10.98
8	4.00	297.00	6.43
9	4.50	306.30	3.04
10	5.00	311.80	1.76
11	5.50	315.50	1.17
12	6.00	319.10	1.13
13	6.50	321.70	0.81
14	7.00	324.20	0.77
15	7.50	326.50	0.70
16	8.00	328.50	0.61
17	8.50	330.10	0.48
18	9.00	331.60	0.45
19	9.50	333.00	0.42
20	10.00	334.10	0.33
21	10.50	335.30	0.36
22	11.00	336.20	0.27

USER INPUT BLANK VALUE
BLANK VALUE = 3.62992 micrograms carbon
BLANK FACTOR = 3.62992 / 10.99976 = +3.3E-01 ug/min Carbon

SAMPLE RESULTS:
(336.2 - 3.630202)(1)/(1) = +3.326E+02 g/L Carbon
(336.2 - 3.630202)(1)/(1)(12) = +2.771E+01 Molar Carbon

Sample Run By: Jackie Steele 5/31/96
JL STEELE 00000

$\frac{332.6}{.2902g} = 1.146^{83}$

713

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1874 DUP Date: 05/31/96 Time: 17:53:41

Sample Size = 1 uL .29029
Dil Factor = 1
Blank ID # =
Blank Value = 1.81 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	9.90	84.85
3	1.51	39.10	74.68
4	2.00	84.30	53.62
5	2.50	126.90	33.57
6	3.00	155.50	18.39
7	3.50	170.70	8.90
8	4.00	176.40	3.23
9	4.50	179.70	1.84
10	5.00	181.90	1.21
11	5.50	183.70	0.98
12	6.00	185.10	0.76
13	6.50	186.40	0.70
14	7.00	187.40	0.53
15	7.50	188.50	0.58
16	8.00	189.40	0.48
17	8.50	190.10	0.37
18	9.00	190.80	0.37
19	9.50	191.50	0.37
20	10.00	192.10	0.31
21	10.50	192.70	0.31
22	11.00	193.20	0.26

USER INPUT BLANK VALUE
BLANK VALUE = 19.90956 micrograms carbon
BLANK FACTOR = 19.90956 / 10.99976 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(193.2 - 19.9111)(1)/(1) = +1.733E+02 g/L Carbon
(193.2 - 19.9111)(1)/(1)(12) = +1.444E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 5/31/96
JL STEELE 00000

173.3 / .29029 = 5.9722

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1874 TRIP Date: 05/31/96 Time: 18:05:31

Sample Size = 1 uL .20298
Dil Factor = 1
Blank ID # =
Blank Value = .33 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	8.10	92.59
3	1.50	51.60	84.30
4	2.00	112.80	54.26
5	2.50	163.50	31.01
6	3.00	199.40	18.00
7	3.50	222.50	10.38
8	4.00	235.20	5.40
9	4.50	240.80	2.33
10	5.00	244.60	1.55
11	5.50	247.30	1.09
12	6.00	249.70	0.96
13	6.50	251.70	0.79
14	7.00	253.60	0.75
15	7.50	255.10	0.59
16	8.00	256.60	0.58
17	8.50	257.80	0.47
18	9.00	259.00	0.46
19	9.50	260.10	0.42
20	10.00	261.00	0.34
21	10.50	261.90	0.34
22	11.00	262.80	0.34

USER INPUT BLANK VALUE
BLANK VALUE = 3.62992 micrograms carbon
BLANK FACTOR = 3.62992 / 10.99976 = +3.3E-01 ug/min Carbon

SAMPLE RESULTS:
(262.8 - 3.630202)(1)/(1) = +2.592E+02 g/L Carbon
(262.8 - 3.630202)(1)/(1)(12) = +2.160E+01 Molar Carbon

Sample Run By: Jackie Steele 5/31/96
JL STEELE 00000

$\frac{259.2}{.2029g} = 1.277E3$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1874 TRIP Date: 05/31/96 Time: 18:18:13

Sample Size = 1 uL .2029g
Dil Factor = 1
Blank ID # =
Blank Value = 1.81 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	4.70	78.72
3	1.50	24.80	81.05
4	2.00	57.90	57.17
5	2.50	90.30	35.88
6	3.00	112.60	19.80
7	3.50	123.50	8.83
8	4.00	128.40	3.82
9	4.50	131.30	2.21
10	5.00	133.00	1.28
11	5.50	134.40	1.04
12	6.00	135.60	0.88
13	6.50	136.80	0.88
14	7.00	137.80	0.73
15	7.50	138.60	0.58
16	8.00	139.20	0.43
17	8.50	139.90	0.50
18	9.00	140.60	0.50
19	9.50	141.20	0.42
20	10.00	141.70	0.35
21	10.50	142.30	0.42
22	11.00	142.70	0.28

USER INPUT BLANK VALUE
BLANK VALUE = 19.90956 micrograms carbon
BLANK FACTOR = 19.90956 / 10.99976 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(142.7 - 19.90978)(1)/(1) = +1.228E+02 g/L Carbon
(142.7 - 19.90978)(1)/(1)(12) = +1.023E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 5/31/96
JL STEELE 00000

122.8 / .2029g = 6.05 E2

LABCORE Data Entry Template for Worklist# 6486

Analyst: JIS 2 **Instrument:** CARB2 _____ **Book #** 22N12-A TIC 16N12-E TOC

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

Worklist Comment: U-107 @TICTOC1. RCJ

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				@TICTOC1 TIC-02	SOLID	1	2.0	N/A	ug/g
		1	BLNK				@TICTOC1 TOC-02	SOLID	1	0.9	N/A	ug/g
		2	STD				@TICTOC1 TIC-02	SOLID	6.02e2	5.67e2	N/A	ug/g
		2	STD				@TICTOC1 TOC-02	SOLID	3.00e3	2.95e3	N/A	ug/g
96000126	U-107	3	SAMPLE	S96T001055	0		@TICTOC1 TIC-02	SOLID	N/A	2.05e3	5.00	ug/g
96000126	U-107	3	SAMPLE	S96T001055	0		@TICTOC1 TOC-02	SOLID	N/A	6.39e2	40.0	ug/g
96000126	U-107	4	DUP	S96T001055	0		@TICTOC1 TIC-02	SOLID	RWS 4/8/96 2.05e3 ~~6.39e2~~	2.23e3	N/A	ug/g
96000126	U-107	4	DUP	S96T001055	0		@TICTOC1 TOC-02	SOLID	6.39e2	8.95e2	N/A	ug/g
96000126	U-107	5	TRIPL	S96T001055	0		@TICTOC1 TIC-02	SOLID	2.05e3	1.75e3	N/A	ug/g
96000126	U-107	5	TRIPL	S96T001055	0		@TICTOC1 TOC-02	SOLID	6.39e2	8.36e2	N/A	ug/g
96000126	U-107	6	SPK	S96T001055	0		@TICTOC1 TIC-02	SOLID	100	83.3	N/A	ug/g
96000126	U-107	6	SPK	S96T001055	0		@TICTOC1 TOC-02	SOLID	100	103	N/A	ug/g
96000126	U-107	7	SAMPLE	S96T001056	0		@TICTOC1 TIC-02	SOLID	N/A	5.92e3	5.00	ug/g
96000126	U-107	7	SAMPLE	S96T001056	0		@TICTOC1 TOC-02	SOLID	N/A	1.89e3	40.0	ug/g
96000126	U-107	8	DUP	S96T001056	0		@TICTOC1 TIC-02	SOLID	5.92e3	4.31e3	N/A	ug/g
96000126	U-107	8	DUP	S96T001056	0		@TICTOC1 TOC-02	SOLID	1.89e3	1.92e3	N/A	ug/g
96000126	U-107	9	TRIPL	S96T001056	0		@TICTOC1 TIC-02	SOLID	5.92e3	6.93e3	N/A	ug/g
96000126	U-107	9	TRIPL	S96T001056	0		@TICTOC1 TOC-02	SOLID	1.89e3	2.13e3	N/A	ug/g

Data Entry Comments: Triplicate analyses included for samples demonstrating Non-homogeneity. RWS 4/8/96

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.

LABCORE Data Entry Template for Worklist# 6486

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

Final page for worklist # 6486

Analyst Signature **Date**

Analyst Signature **Date**

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
04/02/96 12:34

LABCORE Data Entry Template for Worklist# 6486

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

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

Worklist Comment: U-107 @TICTOC1. RCJ

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				@TICTOC1 TIC-02	SOLID	1	2	N/A	ug/g
		1	BLNK				@TICTOC1 TOC-02	SOLID	1	.9	N/A	ug/g
		2	STD				@TICTOC1 TIC-02	SOLID	6.00E2	5.67E2	N/A	ug/g
		2	STD				@TICTOC1 TOC-02	SOLID	3.00E3	2.95E3	N/A	ug/g
96000126	U-107	3	SAMPLE	S96T001055	0		@TICTOC1 TIC-02	SOLID	N/A			ug/g
96000126	U-107	3	SAMPLE	S96T001055	0		@TICTOC1 TOC-02	SOLID	N/A			ug/g
96000126	U-107	4	DUP	S96T001055	0		@TICTOC1 TIC-02	SOLID			N/A	ug/g
96000126	U-107	4	DUP	S96T001055	0		@TICTOC1 TOC-02	SOLID			N/A	ug/g
96000126	U-107	5	SPK	S96T001055	0		@TICTOC1 TIC-02	SOLID	100		N/A	ug/g
96000126	U-107	5	SPK	S96T001055	0		@TICTOC1 TOC-02	SOLID	100		N/A	ug/g
96000126	U-107	6	SAMPLE	S96T001056	0		@TICTOC1 TIC-02	SOLID	N/A			ug/g
96000126	U-107	6	SAMPLE	S96T001056	0		@TICTOC1 TOC-02	SOLID	N/A			ug/g
96000126	U-107	7	DUP	S96T001056	0		@TICTOC1 TIC-02	SOLID			N/A	ug/g
96000126	U-107	7	DUP	S96T001056	0		@TICTOC1 TOC-02	SOLID			N/A	ug/g

Final page for worklist # 6486

Jackie Steele 4/2/96
Analyst Signature **Date**

[signature] 4/8/96
Analyst Signature **Date**

Reviewed & edited
RW Schroeder 4/11/96

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: 04/02/96 Time: 09:35:48

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	0.70	0.00
2	1.01	0.80	12.50
3	1.50	1.30	38.46
4	2.00	1.80	27.78
5	2.50	1.80	0.00
6	3.00	2.10	14.29
7	3.50	2.30	8.70
8	4.00	2.70	14.81
9	4.50	2.70	0.00
10	5.00	2.90	6.90
11	5.50	3.00	3.33
12	6.00	3.20	6.25
13	6.50	3.40	5.88
14	7.00	3.60	5.56
15	7.50	3.80	5.26
16	8.00	4.00	5.00
17	8.50	4.20	4.76
18	9.00	4.40	4.55
19	9.50	4.70	6.38
20	10.00	4.70	0.00
21	10.50	4.90	4.08
22	11.00	5.10	3.92

BLANK VALUE = 5.1 micrograms carbon
BLANK FACTOR = 5.1 / 10.99976 = +4.6E-01 ug/min Carbon

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 720 TO 739

Sample Run By: Jacque Steele 4/2/96
JL STEELE 00000

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

Sample: BASELINE Date: 04/02/96 Time: 09:54:28

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	1.10	63.64
3	1.51	3.20	65.63
4	2.00	6.40	50.00
5	2.50	8.40	23.81
6	3.00	9.50	11.58
7	3.50	10.10	5.94
8	4.00	10.20	0.98
9	4.50	10.60	3.77
10	5.00	10.90	2.75
11	5.50	11.30	3.54
12	6.00	11.60	2.59
13	6.50	11.80	1.69
14	7.00	12.10	2.48
15	7.50	12.40	2.42
16	8.00	12.70	2.36
17	8.50	12.80	0.78
18	9.00	13.10	2.29
19	9.50	13.20	0.76
20	10.00	13.40	1.49
21	10.50	13.70	2.19
22	11.00	13.80	0.72

BLANK VALUE = 13.8 micrograms carbon
BLANK FACTOR = 13.8 / 10.99969 = +1.25E+00 ug/min Carbon

Sample Run By: _____
JL STEELE 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 22N12-A Date: 04/02/96 Time: 10:22:12

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .46 ug/minute C

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

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	44.50	0.00
2	1.01	170.70	73.93
3	1.51	330.10	48.29
4	2.00	447.60	26.25
5	2.50	517.50	13.51
6	3.00	548.80	5.70
7	3.50	562.10	2.37
8	4.00	566.30	0.74
9	4.50	568.30	0.35
10	5.00	568.90	0.11
11	5.50	569.10	0.04
12	6.00	569.50	0.07
13	6.50	569.80	0.05
14	7.00	570.10	0.05
15	7.50	570.30	0.04
16	8.00	570.70	0.07
17	8.50	570.90	0.04
18	9.00	571.20	0.05
19	9.50	571.40	0.04
20	10.00	571.60	0.03
21	10.50	571.80	0.03
22	11.00	572.10	0.05

USER INPUT BLANK VALUE
BLANK VALUE = 5.05986 micrograms carbon
BLANK FACTOR = 5.05986 / 10.99969 = +4.6E-01 ug/min Carbon

SAMPLE RESULTS:
(572.1 - 5.059494)(1)/(1) = +5.670E+02 g/L Carbon
(572.1 - 5.059494)(1)/(1)(12) = +4.725E+01 Molar Carbon

Sample Run By: JL STEELE 00000

$\frac{567.0}{600} = 94.5\%$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 16N12-E Date: 04/02/96 Time: 10:39:01

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.25 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	4.40	100.00
3	1.51	54.40	91.91
4	2.00	263.20	79.33
5	2.50	476.80	44.80
6	3.00	564.10	15.48
7	3.50	589.40	4.29
8	4.00	595.50	1.02
9	4.50	597.80	0.38
10	5.00	599.40	0.27
11	5.50	600.00	0.10
12	6.00	600.40	0.07
13	6.50	601.00	0.10
14	7.00	601.50	0.08
15	7.50	602.00	0.08
16	8.00	602.30	0.05
17	8.50	602.60	0.05
18	9.00	603.00	0.07
19	9.50	603.40	0.07
20	10.00	603.70	0.05
21	10.50	604.00	0.05
22	11.00	604.30	0.05

USER INPUT BLANK VALUE
BLANK VALUE = 13.74962 micrograms carbon
BLANK FACTOR = 13.74962 / 10.99969 = +1.3E+00 ug/min Carbon

SAMPLE RESULTS:
(604.3 - 13.74733)(1)/(1) = +5.906E+02 g/L Carbon
(604.3 - 13.74733)(1)/(1)(12) = +4.921E+01 Molar Carbon

Sample Run By: _____
JL STEELE 00000

$\frac{29527.6}{3000} = 98.4320$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 04/02/96 Time: 10:50:58

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .46 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	2.10	90.48
3	1.50	2.70	22.22
4	2.00	3.40	20.59
5	2.50	3.60	5.56
6	3.00	3.90	7.69
7	3.50	4.10	4.88
8	4.00	4.30	4.65
9	4.50	4.60	6.52
10	5.00	4.80	4.17
11	5.50	4.90	2.04
12	6.00	5.10	3.92
13	6.50	5.30	3.77
14	7.00	5.50	3.64
15	7.50	5.70	3.51
16	8.00	5.80	1.72
17	8.50	6.10	4.92
18	9.00	6.30	3.17
19	9.50	6.30	0.00
20	10.00	6.60	4.55
21	10.50	6.90	4.35
22	11.00	7.10	2.82

USER INPUT BLANK VALUE
BLANK VALUE = 5.05986 micrograms carbon
BLANK FACTOR = 5.05986 / 10.99969 = +4.6E-01 ug/min Carbon

SAMPLE RESULTS:
(7.1 - 5.059467)(1)/(1) = +2.0E+00 g/L Carbon
(7.1 - 5.059467)(1)/(1)(12) = +1.7E-01 Molar Carbon

Sample Run By: JL STEELE 00000

|7.10 - 5.10| = 2

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 04/02/96 Time: 11:07:56

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.25 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	4.40	65.91
4	2.00	6.80	35.29
5	2.50	8.30	18.07
6	3.01	8.70	4.60
7	3.50	9.20	5.43
8	4.00	9.60	4.17
9	4.50	9.90	3.03
10	5.00	10.10	1.98
11	5.50	10.40	2.88
12	6.00	10.70	2.80
13	6.50	10.90	1.83
14	7.00	11.10	1.80
15	7.50	11.40	2.63
16	8.00	11.60	1.72
17	8.50	11.70	0.85
18	9.00	12.00	2.50
19	9.50	12.30	2.44
20	10.00	12.50	1.60
21	10.50	12.70	1.57
22	11.00	12.90	1.55

USER INPUT BLANK VALUE
BLANK VALUE = 13.74962 micrograms carbon
BLANK FACTOR = 13.74962 / 10.99969 = +1.3E+00 ug/min Carbon

SAMPLE RESULTS:
(12.9 - 13.75084)(1)/(1) = < 5.00 E-3 g/L Carbon
(12.9 - 13.75084)(1)/(1)(12) = < 4.17 E-4 Molar Carbon

Sample Run By: _____
JL STEELE 00000

|12.90 - 13.80| = .9

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001055 Date: 04/02/96 Time: 11:27:06

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .46 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	13.90	98.56
3	1.51	79.30	82.47
4	2.01	147.60	46.27
5	2.51	193.20	23.60
6	3.00	217.00	10.97
7	3.51	225.90	3.94
8	4.00	230.40	1.95
9	4.50	232.20	0.78
10	5.00	233.40	0.51
11	5.50	233.90	0.21
12	6.00	234.40	0.21
13	6.50	234.70	0.13
14	7.00	235.00	0.13
15	7.50	235.40	0.17
16	8.00	235.80	0.17
17	8.50	236.10	0.13
18	9.00	236.40	0.13
19	9.50	236.70	0.13
20	10.00	237.00	0.13
21	10.50	237.20	0.08
22	11.00	237.60	0.17

USER INPUT BLANK VALUE
BLANK VALUE = 5.05986 micrograms carbon
BLANK FACTOR = 5.05986 / 10.99969 = +4.6E-01 ug/min Carbon

SAMPLE RESULTS:
(237.6 - 5.060281)(1)/(1) = +2.325E+02 g/L Carbon
(237.6 - 5.060281)(1)/(1)(12) = +1.938E+01 Molar Carbon

Sample Run By: JL STEELE 00000

$\frac{232.5}{.1134g} = 2.0503$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001055 Date: 04/02/96 Time: 11:39:08

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.25 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	0.60	66.67
3	1.50	5.40	88.89
4	2.00	24.20	77.69
5	2.50	46.30	47.73
6	3.00	62.20	25.56
7	3.50	70.10	11.27
8	4.00	74.50	5.91
9	4.50	76.50	2.61
10	5.00	78.00	1.92
11	5.50	79.60	2.01
12	6.00	80.10	0.62
13	6.50	81.10	1.23
14	7.00	82.00	1.10
15	7.50	82.60	0.73
16	8.00	83.30	0.84
17	8.50	83.80	0.60
18	9.00	84.20	0.48
19	9.50	84.80	0.71
20	10.00	85.40	0.70
21	10.50	86.00	0.70
22	11.00	86.30	0.35

USER INPUT BLANK VALUE
BLANK VALUE = 13.74962 micrograms carbon
BLANK FACTOR = 13.74962 / 10.99969 = +1.3E+00 ug/min Carbon

SAMPLE RESULTS:
(86.3 - 13.75053)(1)/(1) = +7.25E+01 g/L Carbon
(86.3 - 13.75053)(1)/(1)(12) = +6.05E+00 Molar Carbon

Sample Run By: JL STEELE 00000

$\frac{72.5}{.1134g} = 639^{g/L}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1055 DUP Date: 04/02/96 Time: 11:50:57

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .46 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	36.50	98.63
3	1.51	216.60	83.15
4	2.01	401.50	46.05
5	2.51	520.90	22.92
6	3.01	588.50	11.49
7	3.51	620.70	5.19
8	4.01	634.50	2.17
9	4.50	641.00	1.01
10	5.00	644.30	0.51
11	5.50	646.20	0.29
12	6.00	647.00	0.12
13	6.50	648.50	0.23
14	7.00	649.10	0.09
15	7.50	650.00	0.14
16	8.00	650.80	0.12
17	8.50	651.70	0.14
18	9.00	652.30	0.09
19	9.50	653.10	0.12
20	10.00	654.10	0.15
21	10.50	654.60	0.08
22	11.00	655.70	0.17

USER INPUT BLANK VALUE
BLANK VALUE = 5.05986 micrograms carbon
BLANK FACTOR = 5.05986 / 10.99969 = +4.6E-01 ug/min Carbon

SAMPLE RESULTS:
(655.7 - 5.060786)(1)/(1) = +6.506E+02 g/L Carbon
(655.7 - 5.060786)(1)/(1)(12) = +5.422E+01 Molar Carbon

Sample Run By: _____
JL STEELE 00000

$\frac{650.6}{.29145} = 2.233^{E3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1055 DUP Date: 04/02/96 Time: 12:03:37

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.25 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	11.00	90.00
3	1.51	73.70	85.07
4	2.00	156.00	52.76
5	2.50	211.70	26.31
6	3.00	236.80	10.60
7	3.50	248.80	4.82
8	4.00	253.90	2.01
9	4.50	257.00	1.21
10	5.00	260.20	1.23
11	5.50	262.60	0.91
12	6.00	264.60	0.76
13	6.50	266.40	0.68
14	7.00	267.90	0.56
15	7.50	269.10	0.45
16	8.00	270.20	0.41
17	8.50	271.10	0.33
18	9.00	271.80	0.26
19	9.50	272.60	0.29
20	10.00	273.20	0.22
21	10.50	274.10	0.33
22	11.00	274.50	0.15

USER INPUT BLANK VALUE
BLANK VALUE = 13.74962 micrograms carbon
BLANK FACTOR = 13.74962 / 10.99969 = +1.3E+00 ug/min Carbon

SAMPLE RESULTS:
(274.5 - 13.75084)(1)/(1) = +2.607E+02 g/L Carbon
(274.5 - 13.75084)(1)/(1)(12) = +2.173E+01 Molar Carbon

Sample Run By: _____
JL STEELE 00000

$\frac{260.7}{.29145} = 8.9\cancel{X}E2$
5 RWS 4/8/96

729

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001055 Trip Date: 04/02/96 Time: 12:43:59

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .46 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	31.30	97.76
3	1.51	164.20	80.94
4	2.00	294.80	44.30
5	2.51	381.60	22.75
6	3.01	429.30	11.11
7	3.50	452.30	5.09
8	4.00	463.20	2.35
9	4.50	467.70	0.96
10	5.00	470.50	0.60
11	5.50	471.80	0.28
12	6.00	473.00	0.25
13	6.50	474.10	0.23
14	7.00	475.10	0.21
15	7.50	475.90	0.17
16	8.00	477.10	0.25
17	8.50	477.80	0.15
18	9.00	478.40	0.13
19	9.50	479.20	0.17
20	10.00	479.70	0.10
21	10.50	480.50	0.17
22	11.00	481.10	0.12

USER INPUT BLANK VALUE
BLANK VALUE = 5.05986 micrograms carbon
BLANK FACTOR = 5.05986 / 10.99969 = +4.6E-01 ug/min Carbon

SAMPLE RESULTS:
(481.1 - 5.060309)(1)/(1) = +4.760E+02 g/L Carbon
(481.1 - 5.060309)(1)/(1)(12) = +3.967E+01 Molar Carbon

Sample Run By: JL STEELE 00000

$\frac{476.0}{.27165} = 1.75^{E3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001055 Trip Date: 04/02/96 Time: 12:56:05

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.25 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	25.50	95.69
3	1.50	82.30	69.02
4	2.00	148.80	44.69
5	2.50	191.60	22.34
6	3.00	209.50	8.54
7	3.50	218.50	4.12
8	4.00	222.50	1.80
9	4.50	225.40	1.29
10	5.00	227.80	1.05
11	5.50	229.50	0.74
12	6.00	231.10	0.69
13	6.50	232.70	0.69
14	7.00	234.40	0.73
15	7.50	235.20	0.34
16	8.00	236.30	0.47
17	8.50	237.30	0.42
18	9.00	238.40	0.46
19	9.50	238.90	0.21
20	10.00	239.60	0.29
21	10.50	240.30	0.29
22	11.00	240.70	0.17

USER INPUT BLANK VALUE
BLANK VALUE = 13.74962 micrograms carbon
BLANK FACTOR = 13.74962 / 10.99969 = +1.3E+00 ug/min Carbon

SAMPLE RESULTS:
(240.7 - 13.74832)(1)/(1) = +2.270E+02 g/L Carbon
(240.7 - 13.74832)(1)/(1)(12) = +1.891E+01 Molar Carbon

Sample Run By: JL STEELE 00000

$\frac{227.0}{.27164g} = 8.362$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1055 SPIKE Date: 04/02/96 Time: 12:18:20

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .46 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	1.00	21.10	98.10
3	1.50	159.50	86.77
4	2.00	324.60	50.86
5	2.50	449.60	27.80
6	3.00	522.60	13.97
7	3.50	558.60	6.44
8	4.00	574.60	2.78
9	4.50	581.00	1.10
10	5.00	583.50	0.43
11	5.50	585.10	0.27
12	6.00	586.20	0.19
13	6.50	587.00	0.14
14	7.00	587.90	0.15
15	7.50	588.50	0.10
16	8.00	589.40	0.15
17	8.50	589.80	0.07
18	9.00	590.50	0.12
19	9.50	591.00	0.08
20	10.00	591.60	0.10
21	10.50	592.00	0.07
22	11.00	592.80	0.13

USER INPUT BLANK VALUE
BLANK VALUE = 5.05986 micrograms carbon
BLANK FACTOR = 5.05986 / 10.99969 = +4.6E-01 ug/min Carbon

SAMPLE RESULTS:
(592.8 - 5.059832)(1)/(1) = +5.877E+02 g/L Carbon
(592.8 - 5.059832)(1)/(1)(12) = +4.898E+01 Molar Carbon

Sample Run By: _____
JL STEELE 00000

.1963g

RWS 4/8/96 $\frac{\cancel{237.6}\ 592.8}{\left(\frac{\cancel{592.8}\ 237.6}{\cancel{.1963}\ .1134}\right)\ \cancel{.1134}\ .1963} \times 100 = \cancel{36.98\%\ rec}$ 732 83.3%

RWS 4/8/96

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1055 SPIKE Date: 04/02/96 Time: 12:30:27

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.25 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	17.10	95.91
3	1.51	109.30	84.35
4	2.00	268.30	59.26
5	2.50	377.00	28.83
6	3.00	420.70	10.39
7	3.50	437.40	3.82
8	4.00	443.20	1.31
9	4.50	446.90	0.83
10	5.00	449.70	0.62
11	5.50	451.80	0.46
12	6.00	453.70	0.42
13	6.50	455.20	0.33
14	7.00	456.80	0.35
15	7.50	458.10	0.28
16	8.00	459.30	0.26
17	8.50	460.30	0.22
18	9.00	461.40	0.24
19	9.50	462.40	0.22
20	10.00	463.10	0.15
21	10.50	463.70	0.13
22	11.00	464.40	0.15

USER INPUT BLANK VALUE
BLANK VALUE = 13.74962 micrograms carbon
BLANK FACTOR = 13.74962 / 10.99969 = +1.3E+00 ug/min Carbon

SAMPLE RESULTS:
(464.4 - 13.74977)(1)/(1) = +4.507E+02 g/L Carbon
(464.4 - 13.74977)(1)/(1)(12) = +3.755E+01 Molar Carbon

Sample Run By: JL STEELE 00000

.1963g

$$\frac{464.4}{\left(\frac{86.3}{.1134}\right).1963 + 300} \times 100 = 103\% \text{ rec}$$

733

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001056 Date: 04/02/96 Time: 13:40:43

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .46 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	71.10	99.30
3	1.50	418.50	83.01
4	2.00	747.40	44.01
5	2.50	964.10	22.48
6	3.00	1089.90	11.54
7	3.50	1165.60	6.49
8	4.00	1212.10	3.84
9	4.50	1241.50	2.37
10	5.00	1256.50	1.19
11	5.50	1264.80	0.66
12	6.00	1268.80	0.32
13	6.50	1272.10	0.26
14	7.00	1274.50	0.19
15	7.50	1276.60	0.16
16	8.00	1278.10	0.12
17	8.50	1279.90	0.14
18	9.00	1281.20	0.10
19	9.50	1282.20	0.08
20	10.00	1283.30	0.09
21	10.50	1284.40	0.09
22	11.00	1285.30	0.07

USER INPUT BLANK VALUE
BLANK VALUE = 5.05986 micrograms carbon
BLANK FACTOR = 5.05986 / 10.99969 = +4.6E-01 ug/min Carbon

SAMPLE RESULTS:
(1285.3 - 5.059467)(1)/(1) = +1.2802E+03 g/L Carbon
(1285.3 - 5.059467)(1)/(1)(12) = +1.0669E+02 Molar Carbon

Sample Run By: JL STEELE 00000

$\frac{1280.2}{.2163g} = 5.92E3$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001056 Date: 04/02/96 Time: 13:52:53

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.25 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	39.30	96.95
3	1.50	135.00	70.89
4	2.00	252.90	46.62
5	2.50	340.00	25.62
6	3.00	378.70	10.22
7	3.50	393.60	3.79
8	4.00	400.00	1.60
9	4.50	404.50	1.11
10	5.00	407.00	0.61
11	5.50	409.30	0.56
12	6.00	411.50	0.53
13	6.50	412.90	0.34
14	7.00	414.30	0.34
15	7.50	415.70	0.34
16	8.00	416.70	0.24
17	8.50	417.80	0.26
18	9.00	418.70	0.21
19	9.50	419.70	0.24
20	10.00	420.40	0.17
21	10.50	421.10	0.17
22	11.00	421.70	0.14

USER INPUT BLANK VALUE
BLANK VALUE = 13.74962 micrograms carbon
BLANK FACTOR = 13.74962 / 10.99969 = +1.3E+00 ug/min Carbon

SAMPLE RESULTS:
(421.7 - 13.74855)(1)/(1) = +4.080E+02 g/L Carbon
(421.7 - 13.74855)(1)/(1)(12) = +3.400E+01 Molar Carbon

Sample Run By: JL STEELE 00000

$\frac{48.0}{.2163} = 1.89E3$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1056 DUP Date: 04/02/96 Time: 14:07:18

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .46 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	3.50	88.57
3	1.51	125.10	97.20
4	2.00	391.00	68.01
5	2.50	613.00	36.22
6	3.00	755.80	18.89
7	3.50	843.30	10.38
8	4.00	893.30	5.60
9	4.50	918.50	2.74
10	5.00	930.00	1.24
11	5.50	935.20	0.56
12	6.00	939.10	0.42
13	6.50	941.40	0.24
14	7.00	944.00	0.28
15	7.50	945.90	0.20
16	8.00	947.10	0.13
17	8.50	948.80	0.18
18	9.00	950.00	0.13
19	9.50	951.40	0.15
20	10.00	952.40	0.10
21	10.50	953.50	0.12
22	11.00	954.40	0.09

USER INPUT BLANK VALUE
BLANK VALUE = 5.05986 micrograms carbon
BLANK FACTOR = 5.05986 / 10.99969 = +4.6E-01 ug/min Carbon

SAMPLE RESULTS:
(954.4 - 5.059916)(1)/(1) = +9.493E+02 g/L Carbon
(954.4 - 5.059916)(1)/(1)(12) = +7.911E+01 Molar Carbon

Sample Run By: JL STEELE 00000

$\frac{949.3}{.2203g} = 4.31E3$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1056 DUP Date: 04/02/96 Time: 14:23:04

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.25 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	4.60	78.26
3	1.50	47.40	90.30
4	2.00	133.80	64.57
5	2.51	247.10	45.85
6	3.01	334.00	26.02
7	3.51	380.90	12.31
8	4.01	401.70	5.18
9	4.50	411.10	2.29
10	5.00	415.90	1.15
11	5.50	419.80	0.93
12	6.00	422.30	0.59
13	6.50	424.60	0.54
14	7.00	427.10	0.59
15	7.50	428.80	0.40
16	8.00	430.20	0.33
17	8.50	431.40	0.28
18	9.00	432.50	0.25
19	9.50	433.50	0.23
20	10.00	434.50	0.23
21	10.50	435.20	0.16
22	11.00	436.00	0.18

USER INPUT BLANK VALUE
BLANK VALUE = 13.74962 micrograms carbon
BLANK FACTOR = 13.74962 / 10.99969 = +1.3E+00 ug/min Carbon

SAMPLE RESULTS:
(436 - 13.75305)(1)/(1) = +4.222E+02 g/L Carbon
(436 - 13.75305)(1)/(1)(12) = +3.519E+01 Molar Carbon

Sample Run By: JL STEELE 00000

$\frac{422.2}{.22039} = 1.92^{E3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1056 TRIP Date: 04/02/96 Time: 14:35:09

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .46 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	96.70	98.97
3	1.51	539.80	82.09
4	2.00	908.80	40.60
5	2.50	1119.20	18.80
6	3.00	1224.30	8.58
7	3.50	1279.80	4.34
8	4.00	1306.50	2.04
9	4.50	1318.20	0.89
10	5.00	1324.40	0.47
11	5.50	1328.40	0.30
12	6.00	1331.70	0.25
13	6.50	1333.90	0.16
14	7.00	1336.20	0.17
15	7.50	1337.90	0.13
16	8.00	1339.60	0.13
17	8.50	1341.30	0.13
18	9.00	1342.60	0.10
19	9.50	1343.90	0.10
20	10.00	1345.00	0.08
21	10.50	1346.20	0.09
22	11.00	1347.20	0.07

USER INPUT BLANK VALUE
BLANK VALUE = 5.05986 micrograms carbon
BLANK FACTOR = 5.05986 / 10.99969 = +4.6E-01 ug/min Carbon

SAMPLE RESULTS:
(1347.2 - 5.059467)(1)/(1) = +1.3421E+03 g/L Carbon
(1347.2 - 5.059467)(1)/(1)(12) = +1.1185E+02 Molar Carbon

Sample Run By: _____
JL STEELE 00000

$\frac{1342.1}{.19389} = 6.9383$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2:0

Sample: 1056 TRIP Date: 04/02/96 Time: 14:47:49

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.25 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	1.00	19.90	90.95
3	1.50	112.70	82.34
4	2.00	234.80	52.00
5	2.50	329.10	28.65
6	3.00	375.00	12.24
7	3.50	393.90	4.80
8	4.00	402.40	2.11
9	4.50	406.40	0.98
10	5.00	410.00	0.88
11	5.50	412.40	0.58
12	6.00	414.60	0.53
13	6.50	416.30	0.41
14	7.00	418.20	0.45
15	7.50	419.70	0.36
16	8.00	420.90	0.29
17	8.50	422.10	0.28
18	9.00	423.20	0.26
19	9.50	423.80	0.14
20	10.00	424.80	0.24
21	10.50	425.70	0.21
22	11.00	426.40	0.16

USER INPUT BLANK VALUE
BLANK VALUE = 13.74962 micrograms carbon
BLANK FACTOR = 13.74962 / 10.99969 = +1.3E+00 ug/min Carbon

SAMPLE RESULTS:
(426.4 - 13.74733)(1)/(1) = +4.127E+02 g/L Carbon
(426.4 - 13.74733)(1)/(1)(12) = +3.439E+01 Molar Carbon

Sample Run By: JL STEELE 00000

$\frac{412.7}{.1938} = 2.13^{E3}$

LABCORE Data Entry Template for Worklist# 6487

Analyst: JLS2 **Instrument:** CARB2 _____ **Book #** 22N12B TIC 24N12A TOC

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

Worklist Comment: U-107 @TICTOC1. RCJ

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				@TICTOC1 TIC-02	SOLID	1	1.6	N/A	ug/g
		1	BLNK				@TICTOC1 TOC-02	SOLID	1	2.7	N/A	ug/g
		2	STD				@TICTOC1 TIC-02	SOLID	6.02E2	6.00E2	N/A	ug/g
		2	STD				@TICTOC1 TOC-02	SOLID	3.00E3	2.82E3	N/A	ug/g
96000126	U-107	3	SAMPLE	S96T001058	0		@TICTOC1 TIC-02	SOLID	N/A	3.85E3	5.00	ug/g
96000126	U-107	3	SAMPLE	S96T001058	0		@TICTOC1 TOC-02	SOLID	N/A	5.11E3	40.0	ug/g
96000126	U-107	4	DUP	S96T001058	0		@TICTOC1 TIC-02	SOLID	3.85E3	3.96E3	N/A	ug/g
96000126	U-107	4	DUP	S96T001058	0		@TICTOC1 TOC-02	SOLID	5.11E3	5.19E3	N/A	ug/g
96000126	U-107	5	SPK	S96T001058	0		@TICTOC1 TIC-02	SOLID	100	92	N/A	ug/g
96000126	U-107	5	SPK	S96T001058	0		@TICTOC1 TOC-02	SOLID	100	90	N/A	ug/g
96000126	U-107	6	SAMPLE	S96T001057	0		@TICTOC1 TIC-02	SOLID	N/A	8.82E3	5.00	ug/g
96000126	U-107	6	SAMPLE	S96T001057	0		@TICTOC1 TOC-02	SOLID	N/A	5.21E3	40.0	ug/g
96000126	U-107	7	DUP	S96T001057	0		@TICTOC1 TIC-02	SOLID	8.82E3	9.02E3	N/A	ug/g
96000126	U-107	7	DUP	S96T001057	0		@TICTOC1 TOC-02	SOLID	5.21E3	5.12E3	N/A	ug/g

Final page for worklist # 6487

Jacque Steele 5/29/96
Analyst Signature **Date**

Linda Conlin 6-1-96
Analyst Signature **Date**

Approved RW Schwab 6/3/96

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 >>> WHC-SD-WM-DP-184, REV. 1

Sample: BASELINE Date: 05/29/96 Time: 08:17:52

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	1.30	100.00
3	1.51	1.90	31.58
4	2.01	2.40	20.83
5	2.50	2.60	7.69
6	3.00	2.90	10.34
7	3.50	3.00	3.33
8	4.00	3.30	9.09
9	4.50	3.50	5.71
10	5.00	3.60	2.78
11	5.50	3.90	7.69
12	6.00	4.10	4.88
13	6.50	4.40	6.82
14	7.00	4.60	4.35
15	7.50	4.80	4.17
16	8.00	5.00	4.00
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	6.30	4.76
22	11.00	6.40	1.56

BLANK VALUE = 6.4 micrograms carbon
BLANK FACTOR = 6.4 / 10.99966 = +5.8E-01 ug/min Carbon

Sample Run By: Jacque Steele 5/29/96
JL STEELE 00000

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

WHC-SD-WM-DP-184, REV. 1

Sample: BASELINE Date: 05/29/96 Time: 08:34:18

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	0.20	0.00
2	1.01	0.80	75.00
3	1.51	2.10	61.90
4	2.00	5.40	61.11
5	2.50	10.00	46.00
6	3.01	13.70	27.01
7	3.51	15.60	12.18
8	4.01	16.70	6.59
9	4.50	17.30	3.47
10	5.00	18.00	3.89
11	5.50	18.40	2.17
12	6.00	18.60	1.08
13	6.50	19.00	2.11
14	7.00	19.40	2.06
15	7.50	19.70	1.52
16	8.00	20.00	1.50
17	8.50	20.30	1.48
18	9.00	20.80	2.40
19	9.50	21.00	0.95
20	10.00	21.30	1.41
21	10.50	21.50	0.93
22	11.00	22.00	2.27

BLANK VALUE = 22 micrograms carbon
BLANK FACTOR = 22 / 11.0025 = +2.00E+00 ug/min Carbon

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

Sample Run By: Jackie Steele 5/29/96
JL STEELE 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0 WHC-SD-WM-DP-184, REV. 1

Sample: STD 22N12 Date: 05/29/96 Time: 08:48:15

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	0.20	0.00
2	1.01	23.40	99.15
3	1.51	165.90	85.90
4	2.00	328.10	49.44
5	2.50	449.80	27.06
6	3.00	524.00	14.16
7	3.50	568.00	7.75
8	4.00	588.00	3.40
9	4.50	596.50	1.42
10	5.00	600.20	0.62
11	5.50	601.70	0.25
12	6.00	602.60	0.15
13	6.50	603.10	0.08
14	7.00	603.70	0.10
15	7.50	604.00	0.05
16	8.00	604.40	0.07
17	8.50	604.70	0.05
18	9.00	605.10	0.07
19	9.50	605.40	0.05
20	10.00	605.70	0.05
21	10.50	606.10	0.07
22	11.00	606.30	0.03

USER INPUT BLANK VALUE
BLANK VALUE = 6.381451 micrograms carbon
BLANK FACTOR = 6.381451 / 11.0025 = +5.8E-01 ug/min Carbon

SAMPLE RESULTS:
(606.3 - 6.379823)(1)/(1) = +5.999E+02 g/L Carbon
(606.3 - 6.379823)(1)/(1)(12) = +4.999E+01 Molar Carbon

Sample Run By: Jackie Steele 5/29/96
JL STEELE 00000

$\frac{599.9}{602} = 99.65\%$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. 1

Sample: STD 24N12A Date: 05/29/96 Time: 09:03:25

Sample Size = 1 uL .200ml
Dil Factor = 1
Blank ID # =
Blank Value = 2 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	2.80	89.29
3	1.51	33.50	91.64
4	2.00	168.10	80.07
5	2.50	364.50	53.88
6	3.00	491.10	25.78
7	3.50	549.10	10.56
8	4.00	570.70	3.78
9	4.50	577.20	1.13
10	5.00	579.70	0.43
11	5.50	581.00	0.22
12	6.00	581.90	0.15
13	6.50	582.30	0.07
14	7.00	582.90	0.10
15	7.50	583.40	0.09
16	8.00	583.80	0.07
17	8.50	584.20	0.07
18	9.00	584.70	0.09
19	9.50	585.00	0.05
20	10.00	585.20	0.03
21	10.50	585.60	0.07
22	11.00	585.90	0.05

USER INPUT BLANK VALUE
BLANK VALUE = 22.005 micrograms carbon
BLANK FACTOR = 22.005 / 11.0025 = +2.0E+00 ug/min Carbon

SAMPLE RESULTS:
(585.9 - 21.99768)(1)/(1) = +5.639E+02 g/L Carbon
(585.9 - 21.99768)(1)/(1)(12) = +4.699E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jeanne Steele 5/29/96
JL STEELE 00000

563.9 / .200ml = 2819.5 / 300 E3 = 93.982
744

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. 1

Sample: BLANK Date: 05/29/96 Time: 09:15:33

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	0.20	0.00
2	1.01	2.00	90.00
3	1.50	2.80	28.57
4	2.01	3.50	20.00
5	2.50	3.70	5.41
6	3.00	4.10	9.76
7	3.50	4.30	4.65
8	4.00	4.70	8.51
9	4.50	4.80	2.08
10	5.00	5.20	7.69
11	5.50	5.40	3.70
12	6.00	5.70	5.26
13	6.50	5.90	3.39
14	7.00	6.20	4.84
15	7.50	6.40	3.13
16	8.00	6.60	3.03
17	8.50	6.80	2.94
18	9.00	7.10	4.23
19	9.50	7.30	2.74
20	10.00	7.50	2.67
21	10.50	7.80	3.85
22	11.00	8.00	2.50

USER INPUT BLANK VALUE
BLANK VALUE = 6.381451 micrograms carbon
BLANK FACTOR = 6.381451 / 11.0025 = +5.8E-01 ug/min Carbon

SAMPLE RESULTS:
(8 - 6.379823)(1)/(1) = +1.6E+00 g/L Carbon
(8 - 6.379823)(1)/(1)(12) = +1.4E-01 Molar Carbon

Sample Run By: Jackie Steele 5/29/96
JL STEELE 00000

18.00 - 6.40 / = 1.6

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. 1

Sample: BLANK Date: 05/29/96 Time: 09:33:22

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2 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	1.70	82.35
3	1.50	5.90	71.19
4	2.00	10.00	41.00
5	2.50	12.90	22.48
6	3.00	14.20	9.15
7	3.50	14.90	4.70
8	4.00	15.30	2.61
9	4.50	15.70	2.55
10	5.00	16.00	1.88
11	5.50	16.50	3.03
12	6.00	16.70	1.20
13	6.50	17.00	1.76
14	7.00	17.20	1.16
15	7.50	17.50	1.71
16	8.00	17.70	1.13
17	8.50	18.00	1.67
18	9.00	18.20	1.10
19	9.50	18.50	1.62
20	10.00	18.80	1.60
21	10.50	19.00	1.05
22	11.00	19.30	1.55

USER INPUT BLANK VALUE
BLANK VALUE = 22.005 micrograms carbon
BLANK FACTOR = 22.005 / 11.0025 = +2.0E+00 ug/min Carbon

SAMPLE RESULTS:
(19.3 - 22.00134)(1)/(1) = < 5.00 E-3 g/L Carbon
(19.3 - 22.00134)(1)/(1)(12) = < 4.17 E-4 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 5/29/96
JL STEELE 00000

|19.30 - 22.00| = 2.7

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. 1

Sample: S96T001057 Date: 05/29/96 Time: 10:42:15

Sample Size = 1 uL .0823g
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	2.40	0.00
2	1.01	10.90	77.98
3	1.50	85.50	87.25
4	2.00	218.90	60.94
5	2.50	330.50	33.77
6	3.00	408.60	19.11
7	3.50	471.50	13.34
8	4.00	547.80	13.93
9	4.50	613.60	10.72
10	5.00	653.10	6.05
11	5.50	674.00	3.10
12	6.00	687.70	1.99
13	6.50	695.90	1.18
14	7.00	701.60	0.81
15	7.50	705.80	0.60
16	8.00	711.00	0.73
17	8.50	716.60	0.78
18	9.00	721.00	0.61
19	9.50	724.30	0.46
20	10.00	727.20	0.40
21	10.50	730.00	0.38
22	11.00	731.90	0.26

USER INPUT BLANK VALUE
BLANK VALUE = 6.381451 micrograms carbon
BLANK FACTOR = 6.381451 / 11.0025 = +5.8E-01 ug/min Carbon

SAMPLE RESULTS:
(731.9 - 6.380424)(1)/(1) = +7.255E+02 g/L Carbon
(731.9 - 6.380424)(1)/(1)(12) = +6.046E+01 Molar Carbon

Sample Run By: Jackie Steele 5/29/96
JL STEELE 00000

$\frac{725.5}{.0823} = 8.815^{E3}$

747

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. 1

Sample: S96T001057 Date: 05/29/96 Time: 10:55:22

Sample Size = 1 uL .0823g
Dil Factor = 1
Blank ID # =
Blank Value = 2 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	25.10	89.24
3	1.51	108.20	76.80
4	2.00	218.50	50.48
5	2.50	318.70	31.44
6	3.00	375.90	15.22
7	3.50	403.40	6.82
8	4.00	415.80	2.98
9	4.50	422.80	1.66
10	5.00	427.40	1.08
11	5.50	430.80	0.79
12	6.00	433.70	0.67
13	6.50	436.20	0.57
14	7.00	438.10	0.43
15	7.50	440.40	0.52
16	8.00	442.00	0.36
17	8.50	443.80	0.41
18	9.00	445.20	0.31
19	9.50	446.70	0.34
20	10.00	447.90	0.27
21	10.50	449.20	0.29
22	11.00	450.40	0.27

USER INPUT BLANK VALUE
BLANK VALUE = 22.005 micrograms carbon
BLANK FACTOR = 22.005 / 11.0025 = +2.0E+00 ug/min Carbon

SAMPLE RESULTS:
(450.4 - 22.005)(1)/(1) = +4.284E+02 g/L Carbon
(450.4 - 22.005)(1)/(1)(12) = +3.570E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jacque Steele 5/29/96
JL STEELE 00000

$\frac{428.4}{.0823g} = 5.205^{E3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. 1

Sample: 1057 DUP Date: 05/29/96 Time: 11:09:22

Sample Size = 1 uL .1035g
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	0.70	0.00
2	1.01	11.40	93.86
3	1.50	167.00	93.17
4	2.00	458.40	63.57
5	2.50	655.60	30.08
6	3.00	764.20	14.21
7	3.50	829.60	7.88
8	4.00	868.40	4.47
9	4.50	889.90	2.42
10	5.00	902.20	1.36
11	5.50	910.90	0.96
12	6.00	916.70	0.63
13	6.50	920.70	0.43
14	7.00	924.20	0.38
15	7.50	926.90	0.29
16	8.00	929.30	0.26
17	8.50	931.60	0.25
18	9.00	933.90	0.25
19	9.50	935.60	0.18
20	10.00	937.00	0.15
21	10.50	938.60	0.17
22	11.00	940.00	0.15

USER INPUT BLANK VALUE
BLANK VALUE = 6.381451 micrograms carbon
BLANK FACTOR = 6.381451 / 11.0025 = +5.8E-01 ug/min Carbon

SAMPLE RESULTS:
(940 - 6.379823)(1)/(1) = +9.336E+02 g/L Carbon
(940 - 6.379823)(1)/(1)(12) = +7.780E+01 Molar Carbon

Sample Run By: Jackie Steele 5/29/96
JL STEELE 00000

$\frac{933.6}{.1035g} = 9.020^{E3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0 WHC-SD-WM-DP-184, REV. 1

Sample: 1057 DUP Date: 05/29/96 Time: 11:21:48

Sample Size = 1 uL . 1035g
Dil Factor = 1
Blank ID # =
Blank Value = 2 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	21.00	93.81
3	1.50	109.90	80.89
4	2.00	237.40	53.71
5	2.50	369.30	35.72
6	3.00	445.30	17.07
7	3.50	487.50	8.66
8	4.00	508.70	4.17
9	4.50	519.00	1.98
10	5.00	525.90	1.31
11	5.50	530.20	0.81
12	6.00	533.70	0.66
13	6.50	536.60	0.54
14	7.00	538.80	0.41
15	7.50	540.90	0.39
16	8.00	542.60	0.31
17	8.50	544.30	0.31
18	9.00	545.80	0.27
19	9.50	547.10	0.24
20	10.00	548.20	0.20
21	10.50	549.20	0.18
22	11.00	550.50	0.24

USER INPUT BLANK VALUE
BLANK VALUE = 22.005 micrograms carbon
BLANK FACTOR = 22.005 / 11.0025 = +2.0E+00 ug/min Carbon

SAMPLE RESULTS:
(550.5 - 22.00122)(1)/(1) = +5.285E+02 g/L Carbon
(550.5 - 22.00122)(1)/(1)(12) = +4.404E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 6/29/96
JL STEELE 00000

$\frac{528.5}{.1035} = 5.106^{E3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0 WHC-SD-WM-DP-184, REV. 1

Sample: 1058 Date: 05/29/96 Time: 12:38:42

Sample Size = 1 uL .0970g
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	9.40	94.68
3	1.51	65.80	85.71
4	2.01	152.00	56.71
5	2.51	236.80	35.81
6	3.00	297.40	20.38
7	3.50	333.00	10.69
8	4.00	350.80	5.07
9	4.50	359.30	2.37
10	5.00	363.30	1.10
11	5.50	365.70	0.66
12	6.00	368.00	0.62
13	6.50	369.50	0.41
14	7.00	370.90	0.38
15	7.50	372.30	0.38
16	8.00	373.60	0.35
17	8.50	374.90	0.35
18	9.00	376.00	0.29
19	9.50	377.10	0.29
20	10.00	378.00	0.24
21	10.50	379.10	0.29
22	11.00	380.00	0.24

USER INPUT BLANK VALUE
BLANK VALUE = 6.381451 micrograms carbon
BLANK FACTOR = 6.381451 / 11.0025 = +5.8E-01 ug/min Carbon

SAMPLE RESULTS:
(380 - 6.380283)(1)/(1) = +3.736E+02 g/L Carbon
(380 - 6.380283)(1)/(1)(12) = +3.113E+01 Molar Carbon

Sample Run By: Jackie Steele 5/29/96
JL STEELE 00000

$\frac{373.6}{.0970g} = 3.852E3$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. |

Sample: 1058 Date: 05/29/96 Time: 12:51:07

Sample Size = 1 uL .0970g
Dil Factor = 1
Blank ID # =
Blank Value = 2 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	41.10	97.81
3	1.51	153.10	73.15
4	2.00	261.00	41.34
5	2.50	363.30	28.16
6	3.00	425.00	14.52
7	3.50	460.60	7.73
8	4.00	477.80	3.60
9	4.50	487.10	1.91
10	5.00	493.40	1.28
11	5.50	498.10	0.94
12	6.00	501.30	0.64
13	6.50	504.30	0.59
14	7.00	506.90	0.51
15	7.50	509.30	0.47
16	8.00	510.90	0.31
17	8.50	512.60	0.33
18	9.00	514.00	0.27
19	9.50	515.10	0.21
20	10.00	516.20	0.21
21	10.50	517.00	0.15
22	11.00	518.10	0.21

USER INPUT BLANK VALUE
BLANK VALUE = 22.005 micrograms carbon
BLANK FACTOR = 22.005 / 11.0025 = +2.0E+00 ug/min Carbon

SAMPLE RESULTS:
(518.1 - 21.99768)(1)/(1) = +4.961E+02 g/L Carbon
(518.1 - 21.99768)(1)/(1)(12) = +4.134E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 5/29/96
JL STEELE 00000

$\frac{496.1}{.0970} = 5.114^{E3}$

752

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. 1

Sample: 1058 DUP Date: 05/29/96 Time: 12:14:41

Sample Size = 1 uL .0730g
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	16.00	96.88
3	1.51	68.90	76.78
4	2.00	131.90	47.76
5	2.50	184.40	28.47
6	3.00	221.10	16.60
7	3.50	243.40	9.16
8	4.00	256.60	5.14
9	4.50	264.60	3.02
10	5.00	271.10	2.40
11	5.50	276.60	1.99
12	6.00	281.40	1.71
13	6.50	284.60	1.12
14	7.00	286.60	0.70
15	7.50	288.30	0.59
16	8.00	289.50	0.41
17	8.50	290.80	0.45
18	9.00	291.90	0.38
19	9.50	293.00	0.38
20	10.00	294.00	0.34
21	10.50	295.10	0.37
22	11.00	295.80	0.24

USER INPUT BLANK VALUE
BLANK VALUE = 6.381451 micrograms carbon
BLANK FACTOR = 6.381451 / 11.0025 = +5.8E-01 ug/min Carbon

SAMPLE RESULTS:
(295.8 - 6.381486)(1)/(1) = +2.894E+02 g/L Carbon
(295.8 - 6.381486)(1)/(1)(12) = +2.412E+01 Molar Carbon

Sample Run By: Jessie Steele 5/29/96
JL STEELE 00000

$\frac{289.4}{.0730} = 3.964^{E3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0 WHC-SD-WM-DP-184, REV. 1

Sample: 1058 DUP Date: 05/29/96 Time: 12:26:40

Sample Size = 1 uL .0730g
Dil Factor = 1
Blank ID # =
Blank Value = 2 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	38.90	97.69
3	1.51	130.60	70.21
4	2.00	226.70	42.39
5	2.50	297.50	23.80
6	3.00	340.30	12.58
7	3.50	360.50	5.60
8	4.00	370.70	2.75
9	4.50	377.00	1.67
10	5.00	381.40	1.15
11	5.50	384.80	0.88
12	6.00	387.90	0.80
13	6.50	390.00	0.54
14	7.00	391.90	0.48
15	7.50	393.50	0.41
16	8.00	394.80	0.33
17	8.50	396.20	0.35
18	9.00	397.40	0.30
19	9.50	398.40	0.25
20	10.00	399.20	0.20
21	10.50	400.00	0.20
22	11.00	400.60	0.15

USER INPUT BLANK VALUE
BLANK VALUE = 22.005 micrograms carbon
BLANK FACTOR = 22.005 / 11.0025 = +2.0E+00 ug/min Carbon

SAMPLE RESULTS:
(400.6 - 21.99561)(1)/(1) = +3.786E+02 g/L Carbon
(400.6 - 21.99561)(1)/(1)(12) = +3.155E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jeanne Steele 5/29/96
JL STEELE 00000

$\frac{378.6}{.0730g} = 5.186^{E3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. 1

Sample: 1058 SPIKE Date: 05/29/96 Time: 13:03:40

Sample Size = 1 uL .0834g +
Dil Factor = 1 .500ml 22N12B
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	21.10	97.63
3	1.50	136.60	84.55
4	2.00	285.50	52.15
5	2.50	398.20	28.30
6	3.00	473.60	15.92
7	3.50	519.90	8.91
8	4.00	544.20	4.47
9	4.50	555.20	1.98
10	5.00	559.90	0.84
11	5.50	563.00	0.55
12	6.00	565.80	0.49
13	6.50	567.90	0.37
14	7.00	569.60	0.30
15	7.50	570.70	0.19
16	8.00	572.00	0.23
17	8.50	572.90	0.16
18	9.00	574.00	0.19
19	9.50	575.10	0.19
20	10.00	576.00	0.16
21	10.50	576.80	0.14
22	11.00	577.70	0.16

USER INPUT BLANK VALUE
BLANK VALUE = 6.381451 micrograms carbon
BLANK FACTOR = 6.381451 / 11.0025 = +5.8E-01 ug/min Carbon

SAMPLE RESULTS:
(577.7 - 6.379823)(1)/(1) = +5.713E+02 g/L Carbon
(577.7 - 6.379823)(1)/(1)(12) = +4.761E+01 Molar Carbon

Sample Run By: Jackie Steele 5/29/96
JL STEELE 00000

$$\frac{577.70}{\frac{380.00}{.0970} \times .0834 + 300} = \frac{577.70}{626.72} = 92.18\%$$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. 1

Sample: 1058 SPIKE Date: 05/29/96 Time: 13:20:44

Sample Size = 1 uL .0834 +
Dil Factor = 1 .200ml 24N12A
Blank ID # =
Blank Value = 2 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	20.10	95.02
3	1.51	109.00	81.56
4	2.00	280.90	61.20
5	2.50	466.60	39.80
6	3.00	560.50	16.75
7	3.50	608.20	7.84
8	4.00	631.00	3.61
9	4.50	641.80	1.68
10	5.00	648.90	1.09
11	5.50	654.60	0.87
12	6.00	658.30	0.56
13	6.50	661.30	0.45
14	7.00	663.50	0.33
15	7.50	665.60	0.32
16	8.00	667.00	0.21
17	8.50	668.20	0.18
18	9.00	669.50	0.19
19	9.50	670.60	0.16
20	10.00	671.80	0.18
21	10.50	672.80	0.15
22	11.00	673.60	0.12

USER INPUT BLANK VALUE
BLANK VALUE = 22.005 micrograms carbon
BLANK FACTOR = 22.005 / 11.0025 = +2.0E+00 ug/min Carbon

SAMPLE RESULTS:
(673.6 - 21.99768)(1)/(1) = +6.516E+02 g/L Carbon
(673.6 - 21.99768)(1)/(1)(12) = +5.430E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 5/29/96
JL STEELE 00000

$$\frac{673.60}{\frac{518.10}{.0970} \times .0834 + 300} = \frac{673.60}{745.46} = 90.36\%$$

worklistrpt Version 2.1 05/15/95
03/14/96 13:06

LABCORE Data Entry Template for Worklist# 6488

Analyst: JDS **Instrument:** CARB2 _____ **Book #** 22N12B TIC 24N12A TOC

Method: LA-342-100 Rev/Mod D0

Worklist Comment: U-107 @TICTOC1. RCJ

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				@TICTOC1 TIC-02	SOLID			N/A	ug/g
		1	BLNK				@TICTOC1 TOC-02	SOLID			N/A	ug/g
		2	STD				@TICTOC1 TIC-02	SOLID			N/A	ug/g
		2	STD				@TICTOC1 TOC-02	SOLID			N/A	ug/g
96000126	U-107	3	SAMPLE	S96T001064	0		@TICTOC1 TIC-02	SOLID	N/A			ug/g
96000126	U-107	3	SAMPLE	S96T001064	0		@TICTOC1 TOC-02	SOLID	N/A			ug/g
96000126	U-107	4	DUP	S96T001064	0		@TICTOC1 TIC-02	SOLID			N/A	ug/g
96000126	U-107	4	DUP	S96T001064	0		@TICTOC1 TOC-02	SOLID			N/A	ug/g
96000126	U-107	5	SPK	S96T001064	0		@TICTOC1 TIC-02	SOLID			N/A	ug/g
96000126	U-107	5	SPK	S96T001064	0		@TICTOC1 TOC-02	SOLID			N/A	ug/g
96000126	U-107	6	SAMPLE	S96T001065	0		@TICTOC1 TIC-02	SOLID	N/A			ug/g
96000126	U-107	6	SAMPLE	S96T001065	0		@TICTOC1 TOC-02	SOLID	N/A			ug/g
96000126	U-107	7	DUP	S96T001065	0		@TICTOC1 TIC-02	SOLID			N/A	ug/g
96000126	U-107	7	DUP	S96T001065	0		@TICTOC1 TOC-02	SOLID			N/A	ug/g

Final page for worklist # 6488

JDK 5-31-96
Analyst Signature **Date**

Analyst Signature **Date**

Data Entry Comments:

Ran a trip on 1065

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.

May. 31. 1996 5:26AM WHC 222S LAB ROOM 2F BACKSIDE No. 1323 P. 2/5

LABCORE Completed Worklist Report for Worklist# 6488

Analyst: jds **Instrument:** CARB2 **Book#** 22N12B TIC 24N12A TOC

Method: LA342100 Rev/Mod D-0

Worklist Comment: U-107 @TICTOC1. RCJ

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
1	BLNK			0	@TICTOC1 TIC-02	SOLID	1	1.80E+0	1.800	ug/g
1	BLNK			0	@TICTOC1 TOC-02	SOLID	1	3.30E+0	3.300	ug/g
2	STD			0	@TICTOC1 TIC-02	SOLID	6.02E+02	6.03E+2	100.166	% Recovery
2	STD			0	@TICTOC1 TOC-02	SOLID	3.00E+03	2.85E+3	95.000	% Recovery
3	SAMPLE	S96T001064		0	@TICTOC1 TIC-02	SOLID	N/A	7.05E+03	5.000	ug/g
3	SAMPLE	S96T001064		0	@TICTOC1 TOC-02	SOLID	N/A	3.67E+03	40.000	ug/g
4	DUP	S96T001064		0	@TICTOC1 TIC-02	SOLID	7.05E+3	7.02E+3	0.426	RPD
4	DUP	S96T001064		0	@TICTOC1 TOC-02	SOLID	3.67E+3	3.68E+3	0.272	RPD
5	SPK	S96T001064		0	@TICTOC1 TIC-02	SOLID	1.00E+02	1.01E+02	101.000	% Recovery
5	SPK	S96T001064		0	@TICTOC1 TOC-02	SOLID	1.00E+02	9.73E+01	97.300	% Recovery
6	SAMPLE	S96T001065		0	@TICTOC1 TIC-02	SOLID	N/A	6.42E+03	5.000	ug/g
6	SAMPLE	S96T001065		0	@TICTOC1 TOC-02	SOLID	N/A	3.05E+03	40.000	ug/g
7	DUP	S96T001065		0	@TICTOC1 TIC-02	SOLID	6.42E+3	4.98E+3	25.263	RPD
7	DUP	S96T001065		0	@TICTOC1 TOC-02	SOLID	3.05E+3	4.22E+3	32.187	RPD
8	TRIPL	S96T001065		0	@TICTOC1 TIC-02	SOLID	6.42E+3	3.38E+3	62.041	RPD
8	TRIPL	S96T001065		0	@TICTOC1 TOC-02	SOLID	3.05E+3	3.90E+3	24.460	RPD

Final page for worklist# 6488

[signature] 06/03/96
Analyst Signature **Date**

Analyst Signature **Date**

Robert W. Schroeder 6/4/96
Reviewer Signature **Date**

Triplicate run on S96T001065 due to poor RPD.
Robert W. Schroeder 6/4/96

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

WORKBOOK PAGE: BLANK1

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
	Sample Size in g	(SS)	0.0000	0.0000
BLNK	Dilution Factor	(DF)	1	1
Work	µg of Carbon in Sample	(C1)	6.8	22.2
6488	µg of Carbon from Baseline	(C2)	8.6	25.5

Procedure
@TICTOC1

Matrix
SOLID

Batch Number
96002149

Batch
0

µg of Carbon = |C1-C2|

Sample Type
N/A

Sample
BLNK

Instrument Code
CARB2

Prepared By
RTS

Chemist
RWS

Analyst
JDS

Date Completed
06/03/69

Analysis Date
05/31/96

		TIC	TOC
Analysis Limit	Method Detection Limit in ug/g	5	40
Sample Point	µg of Carbon	1.80E+00	3.30E+00
U-107			

Data Entered By:	RTS	Date:	06/03/69
Signature of Chemist:	RW Schwecke	Date:	6/4/96

BLANK.WB1 REV 1.0 342100ML

WORKBOOK PAGE: STD2

TIC/TOC : LA-342-100 (C-0) LIQUIDS

			TIC	TOC
Type	Sample Size in mL	(SS)	1.0000	0.2000
STD	Dilution Factor	(DF)	1	1
Work List	Final Coulometer Reading in µg	(C1)	611.2	594.7
6488	µg of Carbon from Baseline	(C2)	8.6	25.5
Standard	Standard Book Number		22N12B	24N12A
@TICTOC1	Standard Value (µg/ml)		602	3000

Matrix
LIQUID

Batch Number
96002149

Replicate
0

Sample Prep
N/A

Sample
STD

Instrument Method
CARB2

Prepared By
RTS

Chemist
RWS

Analyst
JDS

Date Completed
06/03/69

Analysis Date
05/31/96

QC Actual in µg/mL = Standard Value (µg/mL)
QC Found in µg/mL = (C1 - C2) * DF / SS
QC Found in µg/mL for TIC = 5 if C1 < C2
QC Found in µg/mL for TOC = 40 if C1 < C2

% Recovery = QC Found / QC Actual * 100

		TIC	TOC
Analysis Time	Method Detection Limit in µg/mL	5	40
	QC Actual in µg/mL	6.02E+02	3.00E+03
Sample Point	QC Found in µg/mL	6.03E+02	2.85E+03
U-107	Percent Standard Recovery	100.1	94.9

Data Entered By:	RTS	Date:	06/03/69
Signature of Chemist:	RW Schneider	Date:	6/4/96

STANDARD.WB1 REV 1.0 342100ML

WORKBOOK PAGE: SAM3

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
[illegible]	Sample Size in g	(SS)	0.0975	0.0975
SAMPLE	Dilution Factor	(DF)	1	1
Work [illegible]	µg of Carbon in Sample	(C1)	696.4	383.6
6488	µg of Carbon from Baseline	(C2)	8.6	25.5
[illegible]				
@TICTOC1				

[illegible]	
SOLID	
Batch Number	
96002149	
Rerun	µg of Carbon/g = (C1-C2) * DF / SS
0	µg of Carbon/g for TIC = 5 if C1 < C2
Sample Prep	µg of Carbon/g for TOC = 40 if C1 < C2
N/A	
Sample	
S96T001064	
Instrument Code	
CARB2	
Prepared By	
RTS	
Chemist	
RWS	
Analyst	
JDS	
Date Complete	
06/03/69	
Analysis Date	
05/31/96	

		TIC	TOC
Analysis Time	Method Detection Limit in ug/g	5	40
Sample Point	µg of Carbon/g	7.05E+03	3.67E+03
U-107			

Data Entered By:	RTS	Date:	06/03/69
Signature of Chemist:	RW Schroeder	Date:	6/4/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: DUP4

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
	Sample Size in g	(SS)	0.1120	0.1120
DUP	Dilution Factor	(DF)	1	1
	µg of Carbon in Sample	(C1)	794.7	438.1
6488	µg of Carbon from Baseline	(C2)	8.6	25.5
	Known µg of C from Original Sample		7.05E+3	3.67E+3
@TICTOC1				

Matrix	SOLID
Batch Number	96002149
Rerun	0
Sample Prep	N/A
Sample	S96T001064
Instrument Model	CARB2
Prepared By	RTS
Chemist	RWS
Analyst	JDS
Date Complete	06/03/69
Analysis Date	05/31/96
Analysis Time	
Sample Point	U-107

µg of Carbon/g = (C1-C2) * DF / SS
µg of Carbon/g for TIC = 5 if C1 < C2
µg of Carbon/g for TOC = 40 if C1 < C2

RPD (of Sample and Dup Results) = | Difference | / Average

	TIC	TOC
Method Detection Limit in ug/g	5	40
µg of Carbon/g	7.02E+03	3.68E+03
RPD (of Sam and Dup Results)	0.4%	~~0.4%~~ 0.3% RWS 6/4/96

Data Entered By:	RTS	Date:	06/03/69
Signature of Chemist:	RW Schroeder	Date:	6/4/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: SPIKE5

TIC/TOC : LA-342-100 (C-0) SOLIDS

[illegible]	**Sample Vial Data**	**TIC**	**TOC**
SPK	Sample Size in g (SS)	0.0975	0.0975
Work [illegible]	Final Coulometer Reading in µg (C1)	696.4	383.6
6488	**Spiked Vial Data**		
[illegible]	Sample Size in g (SPK SS)	0.0579	0.0579
@TICTOC1	Amount of Spike Std. in mL (SPK VOL)	0.500	0.100
[illegible]	Final Coulometer Reading in µg (C3)	719.4	513.5
SOLID	Spike Book Number	22N12B	24N12A
Batch Number	Spike Standard Value in µg/ml	602	3000
96002149	Spike Concentration in µg (SPK CONC)	301	300

Rerun	
0	
Sample Prep	**Spike Concentration in µg = (Spike Std. Value in µg/mL)*(SPK VOL)**
N/A	
Sample	**Percent Spike Recovery = (C3) / [(C1/SS * SPK SS) + (SPK CONC)] * 100**
S96T001064	
Instrument Code	**QC Actual in µg/mL = Spike Value (µg/mL)**
CARB2	**QC Found in µg/mL = (Percent Spike Recovery)*(QC Actual) / 100**
Prepared By	
RTS	
Chemist	
RWS	
Analyst	
JDS	
Date Completed	
06/03/69	
Analysis Date	
05/31/96	

		TIC	TOC
Analysis Time			
	QC Actual in µg/mL	6.02E+02	3.00E+03
Sample Point	**QC Found in µg/mL**	6.06E+02	2.92E+03
U-107	**Percent Spike Recovery**	100.7	97.3

RW Schroeder 6/4/96

WORKBOOK PAGE: SAM6

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
Type	Sample Size in g	(SS)	0.0560	0.0560
SAMPLE	Dilution Factor	(DF)	1	1
Work Set	µg of Carbon in Sample	(C1)	368.2	196.3
6488	µg of Carbon from Baseline	(C2)	8.6	25.5
Test Code				
@TICTOC1				

Matrix	
SOLID	
Batch Number	
96002149	
Rerun	µg of Carbon/g = (C1-C2) * DF / SS
0	µg of Carbon/g for TIC = 5 if C1 < C2
Sample Prep	µg of Carbon/g for TOC = 40 if C1 < C2
N/A	
Sample #	
S96T001065	
Instrument Code	
CARB2	
Prepared By	
RTS	
Chemist	
RWS	
Analyst	
JDS	
Date Complete	
06/03/69	
Analysis Date	
05/31/96	

		TIC	TOC
Analysis Time	Method Detection Limit in ug/g	5	40
Sample Point	µg of Carbon/g	6.42E+03	3.05E+03
U-107			

Data Entered By:	RTS	Date:	06/03/69
Signature of Chemist:	RW Schroeder	Date:	6/4/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: DUP7

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
DUP	Sample Size in g	(SS)	0.0636	0.0636
	Dilution Factor	(DF)	1	1
6488	µg of Carbon in Sample	(C1)	325.3	293.6
	µg of Carbon from Baseline	(C2)	8.6	25.5
@TICTOC1	Known µg of C from Original Sample		6.42E+3	3.05E+3

Matrix: SOLID

Batch Number: 96002149

Rerun: 0

Sample Prep: N/A

Sample: S96T001065

Instrument Code: CARB2

Prepared By: RTS

Chemist: RWS

Analyst: JDS

Date Completed: 06/03/69

Analysis Date: 05/31/96

Analysis Time:

Sample Point: U-107

µg of Carbon/g = (C1-C2) * DF / SS
µg of Carbon/g for TIC = 5 if C1 < C2
µg of Carbon/g for TOC = 40 if C1 < C2

RPD (of Sample and Dup Results) = | Difference | / Average

	TIC	TOC
Method Detection Limit in ug/g	5	40
µg of Carbon/g	4.98E+03	4.22E+03
RPD (of Sam and Dup Results)	25.3%	32.1%

Data Entered By:	RTS	Date:	06/03/69
Signature of Chemist:	Rw Schroeder	Date:	6/4/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: TRIPL8

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
Type	Sample Size in g	(SS)	0.0681	0.0681
TRIPL	Dilution Factor	(DF)	1	1
Work Order	µg of Carbon in Sample	(C1)	238.8	291
6488	µg of Carbon from Baseline	(C2)	8.6	25.5
Parent Sample	Known µg of C from Original Sample		6.42E+3	3.05E+3
@TICTOC1	Duplicate Result		4.98E+3	4.22E+3

Matrix
SOLID

Batch Number
96002149

Run
0

Sample Prep
N/A

Sample
S96T001065

Instrument
CARB2

Prepared By
RTS

Chemist
RWS

Analyst
JDS

Date Completed
06/03/69

Analysis Date
05/31/96

µg of Carbon/g = (C1-C2) * DF / SS
µg of Carbon/g for TIC = 5 if C1 < C2
µg of Carbon/g for TOC = 40 if C1 < C2

RSD (of Sam, Dup, and Tripl Results) = Standard Deviation / Average

		TIC	TOC
Analysis Time	Method Detection Limit in ug/g	5	40
Sample Point	µg of Carbon/g	3.38E+03	3.90E+03
U-107	RSD (of Sam, Dup, and Tripl Results)	0.3086	0.1624

Data Entered By:	RTS	Date:	06/03/69
Signature of Chemist:	RW Schroeder	Date:	6/4/96

SAMPLE.WB1 REV 1.0 342100ML

XXXX

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

Sample: BASE Date: 05/30/96 Time: 21:08:34

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

Analyst : JD SPELLMAN
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	1.50	1.80	27.78
4	2.00	2.20	18.18
5	2.50	2.70	18.52
6	3.00	3.20	15.63
7	3.50	3.50	8.57
8	4.00	4.00	12.50
9	4.50	4.20	4.76
10	5.00	4.60	8.70
11	5.50	5.00	8.00
12	6.00	5.30	5.66
13	6.50	5.60	5.36
14	7.00	6.00	6.67
15	7.50	6.30	4.76
16	8.00	6.70	5.97
17	8.50	7.10	5.63
18	9.00	7.40	4.05
19	9.50	7.70	3.90
20	10.00	8.00	3.75
21	10.50	8.30	3.61
22	11.00	8.60	3.49

BLANK VALUE = 8.6 micrograms carbon
BLANK FACTOR = 8.6 / 11.00061 = +7.8E-01 ug/min Carbon

Sample Run By: H Anastn for JD Spellman 7-18-96
JD SPELLMAN 00000

766

May. 31. 1996 5:28AM WHC 222S LAB ROOM 2F BACKSIDE No. 1323 P. 5/5

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001065TRP Date: 05/31/96 Time: 04:37:30

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.32 ug/minute C

Analyst : JD SPELLMAN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.40	0.00
2	1.01	4.10	90.24
3	1.50	32.50	87.38
4	2.00	87.50	62.86
5	2.50	161.60	45.85
6	3.00	216.90	25.50
7	3.50	251.30	13.69
8	4.00	267.20	5.95
9	4.50	274.50	2.66
10	5.00	278.70	1.51
11	5.50	281.20	0.89
12	6.00	283.10	0.67
13	6.50	284.40	0.46
14	7.00	285.40	0.35
15	7.50	286.30	0.31
16	8.00	287.10	0.28
17	8.50	287.80	0.24
18	9.00	288.40	0.21
19	9.50	289.00	0.21
20	10.00	289.70	0.24
21	10.50	290.40	0.24
22	11.00	291.00	0.21

USER INPUT BLANK VALUE
BLANK VALUE = 25.51972 micrograms carbon
BLANK FACTOR = 25.51972 / 10.99988 = +2.3E+00 ug/min Carbon

SAMPLE RESULTS:
(291 - 25.52156)(1)/(1) = +2.655E+02 g/L Carbon
(291 - 25.52156)(1)/(1)(12) = +2.212E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: JD SPELLMAN 00000

May 31 1996 5:29AM WHC 222S LAB ROOM 2F BACKSIDE No. 1324 P. 1/17

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001065TRP Date: 05/31/96 Time: 03:02:42

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .78 ug/minute C

Analyst : JD SPELLMAN
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	1.51	0.80	37.50
4	2.00	2.20	63.64
5	2.50	16.40	86.59
6	3.00	51.10	67.91
7	3.50	91.40	44.09
8	4.00	131.70	30.60
9	4.50	163.50	19.45
10	5.00	187.50	12.80
11	5.50	203.30	7.77
12	6.00	213.00	4.55
13	6.50	219.50	2.96
14	7.00	224.00	2.01
15	7.50	227.60	1.58
16	8.00	230.20	1.13
17	8.50	232.40	0.95
18	9.00	234.00	0.68
19	9.50	235.30	0.55
20	10.00	236.60	0.55
21	10.50	237.80	0.50
22	11.00	238.80	0.42

USER INPUT BLANK VALUE
BLANK VALUE = 8.579905 micrograms carbon
BLANK FACTOR = 8.579905 / 10.99988 = +7.8E-01 ug/min Carbon

SAMPLE RESULTS:
(238.8 - 8.579107)(1)/(1) = +2.302E+02 g/L Carbon
(238.8 - 8.579107)(1)/(1)(12) = +1.919E+01 Molar Carbon

Sample Run By: _____
JD SPELLMAN 00000

May 31. 1996 5:29AM WHC 222S LAB ROOM 2F BACKSIDE No. 1324 P. 2/17

X

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001065DUP Date: 05/31/96 Time: 02:39:02

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.32 ug/minute C

Analyst : JD SPELLMAN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.20	0.00
2	1.01	1.90	36.84
3	1.51	8.20	76.83
4	2.01	36.80	77.72
5	2.51	89.80	59.02
6	3.01	156.10	42.47
7	3.51	210.50	25.84
8	4.00	246.40	14.57
9	4.50	266.70	7.61
10	5.00	275.80	3.30
11	5.50	280.60	1.71
12	6.00	283.60	1.06
13	6.50	285.60	0.70
14	7.00	287.20	0.56
15	7.50	288.30	0.38
16	8.00	289.40	0.38
17	8.50	290.30	0.31
18	9.00	291.10	0.27
19	9.50	291.60	0.17
20	10.00	292.40	0.27
21	10.50	293.00	0.20
22	11.00	293.60	0.20

USER INPUT BLANK VALUE
BLANK VALUE = 25.51972 micrograms carbon
BLANK FACTOR = 25.51972 / 10.99988 = +2.3E+00 ug/min Carbon

SAMPLE RESULTS:
(293.6 - 25.51922)(1)/(1) = +2.681E+02 g/L Carbon
(293.6 - 25.51922)(1)/(1)(12) = +2.234E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
JD SPELLMAN 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001065DUP Date: 05/31/96 Time: 02:16:35

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .78 ug/minute C

Analyst : JD SPELLMAN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.50	0.00
2	1.01	1.60	68.75
3	1.51	9.20	82.61
4	2.00	55.30	83.36
5	2.50	123.70	55.30
6	3.00	189.30	34.65
7	3.50	238.10	20.50
8	4.00	272.00	12.46
9	4.50	291.40	6.66
10	5.00	301.10	3.22
11	5.50	306.30	1.70
12	6.00	309.80	1.13
13	6.50	312.50	0.86
14	7.00	314.40	0.60
15	7.50	316.20	0.57
16	8.00	318.00	0.57
17	8.50	319.30	0.41
18	9.00	320.70	0.44
19	9.50	322.20	0.47
20	10.00	323.20	0.31
21	10.50	324.20	0.31
22	11.00	325.30	0.34

USER INPUT BLANK VALUE
BLANK VALUE = 8.579905 micrograms carbon
BLANK FACTOR = 8.579905 / 10.99988 = +7.8E-01 ug/min Carbon

SAMPLE RESULTS:
(325.3 - 8.580523)(1)/(1) = +3.167E+02 g/L Carbon
(325.3 - 8.580523)(1)/(1)(12) = +2.639E+01 Molar Carbon

Sample Run By: _____
JD SPELLMAN 00000

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001065 Date: 05/31/96 Time: 02:03:05

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.32 ug/minute C

Analyst : JD SPELLMAN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.70	0.00
2	1.01	4.50	84.44
3	1.50	29.20	84.59
4	2.00	69.90	58.23
5	2.50	117.10	40.31
6	3.00	152.80	23.36
7	3.50	172.10	11.21
8	4.00	180.90	4.86
9	4.50	185.30	2.37
10	5.00	187.80	1.33
11	5.50	189.10	0.69
12	6.00	190.30	0.63
13	6.50	191.30	0.52
14	7.00	192.00	0.36
15	7.50	192.70	0.36
16	8.00	193.30	0.31
17	8.50	193.80	0.26
18	9.00	194.40	0.31
19	9.50	194.90	0.26
20	10.00	195.50	0.31
21	10.50	195.90	0.20
22	11.00	196.30	0.20

USER INPUT BLANK VALUE
BLANK VALUE = 25.51972 micrograms carbon
BLANK FACTOR = 25.51972 / 10.99988 = +2.3E+00 ug/min Carbon

SAMPLE RESULTS:
(196.3 - 25.51729)(1)/(1) = +1.708E+02 g/L Carbon
(196.3 - 25.51729)(1)/(1)(12) = +1.423E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
JD SPELLMAN 00000

May. 31. 1996 5:31AM WHC 222S LAB ROOM 2F BACKSIDE No. 1324 P. 5/17

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001065 Date: 05/31/96 Time: 01:49:50

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .78 ug/minute C

Analyst : JD SPELLMAN
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	8.20	82.93
4	2.00	61.20	86.60
5	2.51	142.50	57.05
6	3.01	218.00	34.63
7	3.50	276.20	21.07
8	4.00	314.80	12.26
9	4.50	338.30	6.95
10	5.00	349.80	3.29
11	5.50	355.70	1.66
12	6.00	358.70	0.84
13	6.50	360.70	0.55
14	7.00	362.00	0.36
15	7.50	363.10	0.30
16	8.00	364.00	0.25
17	8.50	364.80	0.22
18	9.00	365.60	0.22
19	9.50	366.30	0.19
20	10.00	367.00	0.19
21	10.50	367.60	0.16
22	11.00	368.20	0.16

USER INPUT BLANK VALUE
BLANK VALUE = 8.579905 micrograms carbon
BLANK FACTOR = 8.579905 / 10.99988 = +7.8E-01 ug/min Carbon

SAMPLE RESULTS:
(368.2 - 8.581178)(1)/(1) = +3.596E+02 g/L Carbon
(368.2 - 8.581178)(1)/(1)(12) = +2.997E+01 Molar Carbon

Sample Run By: _____
JD SPELLMAN 00000

May. 31. 1996 5:31AM WHC 222S LAB ROOM 2F BACKSIDE No. 1324 P. 6/17

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001064SPK Date: 05/31/96 Time: 01:31:42

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.32 ug/minute C

Analyst : JD SPELLMAN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.20	0.00
2	1.01	5.00	76.00
3	1.50	39.50	87.34
4	2.00	120.10	67.11
5	2.50	258.60	53.56
6	3.00	377.30	31.46
7	3.50	442.90	14.81
8	%-1436.00	477.70	7.28
9	%-1435.50	493.00	3.10
10	%-1435.00	499.10	1.22
11	%-1434.50	502.70	0.72
12	%-1434.00	504.80	0.42
13	%-1433.50	506.40	0.32
14	%-1433.00	507.60	0.24
15	%-1432.50	508.60	0.20
16	%-1432.00	509.60	0.20
17	%-1431.50	510.50	0.18
18	%-1431.00	511.20	0.14
19	%-1430.50	511.90	0.14
20	%-1430.00	512.50	0.12
21	%-1429.50	513.10	0.12
22	%-1429.00	513.50	0.08

USER INPUT BLANK VALUE
BLANK VALUE = 25.51972 micrograms carbon
BLANK FACTOR = 25.51972 / 10.99988 = +2.3E+00 ug/min Carbon

SAMPLE RESULTS:
(513.5 --3315.282)(1)/(1) = +3.829E+03 g/L Carbon
(513.5 --3315.282)(1)/(1)(12) = +3.191E+02 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
JD SPELLMAN 00000

May. 31. 1996 5:31AM WHC 222S LAB ROOM 2F BACKSIDE No. 1324 P. 7/17

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T1064SPK Date: 05/30/96 Time: 23:54:56

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .78 ug/minute C

Analyst : JD SPELLMAN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.60	0.00
2	1.01	1.20	50.00
3	1.50	17.50	93.14
4	2.00	103.40	83.08
5	2.50	250.40	58.71
6	3.00	400.70	37.51
7	3.50	512.70	21.85
8	4.00	594.00	13.69
9	4.50	644.60	7.85
10	5.00	674.10	4.38
11	5.50	690.10	2.32
12	6.00	698.60	1.22
13	6.50	703.60	0.71
14	7.00	707.20	0.51
15	7.50	710.10	0.41
16	8.00	711.80	0.24
17	8.50	713.50	0.24
18	9.00	714.90	0.20
19	9.50	716.10	0.17
20	10.00	717.40	0.18
21	10.50	718.40	0.14
22	11.00	719.40	0.14

USER INPUT BLANK VALUE
BLANK VALUE = 8.579905 micrograms carbon
BLANK FACTOR = 8.579905 / 10.99988 = +7.8E-01 ug/min Carbon

SAMPLE RESULTS:
(719.4 - 8.580476)(1)/(1) = +7.108E+02 g/L Carbon
(719.4 - 8.580476)(1)/(1)(12) = +5.923E+01 Molar Carbon

Sample Run By: JD SPELLMAN 00000

May 31. 1996 5:32AM WHC 222S LAB ROOM 2F BACKSIDE No. 1324 P. 8/17

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001064DUP Date: 05/30/96 Time: 23:41:41

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.32 ug/minute C

Analyst : JD SPELLMAN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.60	0.00
2	1.01	3.20	50.00
3	1.51	24.60	86.99
4	2.00	84.10	70.75
5	2.50	182.70	53.97
6	3.00	284.90	35.87
7	3.50	351.60	18.97
8	4.00	388.70	9.54
9	4.50	408.00	4.73
10	5.00	416.90	2.13
11	5.50	421.90	1.19
12	6.00	425.30	0.80
13	6.50	427.80	0.58
14	7.00	429.60	0.42
15	7.50	431.30	0.39
16	8.00	432.60	0.30
17	8.50	433.80	0.28
18	9.00	434.90	0.25
19	9.50	435.80	0.21
20	10.00	436.60	0.18
21	10.50	437.40	0.18
22	11.00	438.10	0.16

USER INPUT BLANK VALUE
BLANK VALUE = 25.51972 micrograms carbon
BLANK FACTOR = 25.51972 / 10.99988 = +2.3E+00 ug/min Carbon

SAMPLE RESULTS:
(438.1 - 25.5149)(1)/(1) = +4.126E+02 g/L Carbon
(438.1 - 25.5149)(1)/(1)(12) = +3.438E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
JD SPELLMAN 00000

May 31, 1996 5:32AM WHC 222S LAB ROOM 2F BACKSIDE No. 1324 P. 9/17

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001064DUP Date: 05/30/96 Time: 23:28:19

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.32 ug/minute C

Analyst : JD SPELLMAN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.80	0.00
2	1.01	1.80	55.56
3	1.51	25.50	92.94
4	2.01	157.90	83.85
5	2.50	341.30	53.74
6	3.00	490.10	30.36
7	3.50	597.20	17.93
8	4.00	666.70	10.42
9	4.50	712.00	6.36
10	5.00	741.20	3.94
11	5.50	755.70	1.92
12	6.00	764.10	1.10
13	6.50	769.60	0.71
14	7.00	773.20	0.47
15	7.50	776.30	0.40
16	8.00	779.20	0.37
17	8.50	782.30	0.40
18	9.00	785.70	0.43
19	9.50	788.50	0.36
20	10.00	791.10	0.33
21	10.50	793.00	0.24
22	11.00	794.70	0.21

USER INPUT BLANK VALUE
BLANK VALUE = 25.51972 micrograms carbon
BLANK FACTOR = 25.51972 / 10.99988 = +2.3E+00 ug/min Carbon

SAMPLE RESULTS:
(794.7 - 25.52113)(1)/(1) = +7.692E+02 g/L Carbon
(794.7 - 25.52113)(1)/(1)(12) = +6.410E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: JD SPELLMAN 00000

May. 31. 1996 5:33AM WHC 222S LAB ROOM 2F BACKSIDE No. 1324 P. 10/17

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001064 Date: 05/30/96 Time: 23:16:04

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.32 ug/minute C

Analyst : JD SPELLMAN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.80	0.00
2	1.01	2.00	60.00
3	1.51	18.90	89.42
4	2.01	74.90	74.77
5	2.51	167.50	55.28
6	3.01	257.30	34.90
7	3.51	314.40	18.16
8	4.01	346.00	9.13
9	4.50	360.30	3.97
10	5.00	367.20	1.88
11	5.50	371.10	1.05
12	6.00	373.80	0.72
13	6.50	375.60	0.48
14	7.00	377.10	0.40
15	7.50	378.30	0.32
16	8.00	379.50	0.32
17	8.50	380.30	0.21
18	9.00	381.10	0.21
19	9.50	381.80	0.18
20	10.00	382.50	0.18
21	10.50	383.00	0.13
22	11.00	383.60	0.16

USER INPUT BLANK VALUE
BLANK VALUE = 25.51972 micrograms carbon
BLANK FACTOR = 25.51972 / 10.99988 = +2.3E+00 ug/min Carbon

SAMPLE RESULTS:
(383.6 - 25.52396)(1)/(1) = +3.581E+02 g/L Carbon
(383.6 - 25.52396)(1)/(1)(12) = +2.984E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: JD SPELLMAN 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001064 Date: 05/30/96 Time: 22:58:53

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .78 ug/minute C

Analyst : JD SPELLMAN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.10	0.00
2	1.01	0.50	80.00
3	1.51	20.60	97.57
4	2.00	147.30	86.01
5	2.50	316.60	53.47
6	3.00	455.20	30.45
7	3.50	551.20	17.42
8	4.00	613.80	10.20
9	4.50	650.00	5.57
10	5.00	668.30	2.74
11	5.50	678.40	1.49
12	6.00	683.10	0.69
13	6.50	686.20	0.45
14	7.00	688.10	0.28
15	7.50	689.70	0.23
16	8.00	691.10	0.20
17	8.50	692.30	0.17
18	9.00	693.10	0.12
19	9.50	694.10	0.14
20	10.00	694.90	0.12
21	10.50	695.70	0.11
22	11.00	696.40	0.10

USER INPUT BLANK VALUE
BLANK VALUE = 8.579905 micrograms carbon
BLANK FACTOR = 8.579905 / 10.99988 = +7.8E-01 ug/min Carbon

SAMPLE RESULTS:
(696.4 - 8.579714)(1)/(1) = +6.878E+02 g/L Carbon
(696.4 - 8.579714)(1)/(1)(12) = +5.732E+01 Molar Carbon

Sample Run By: _____
JD SPELLMAN 00000

May. 31. 1996 5:34AM WHC 222S LAB ROOM 2F BACKSIDE No. 1324 P. 12/17

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLK Date: 05/30/96 Time: 22:29:40

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.32 ug/minute C

Analyst : JD SPELLMAN
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	0.60	33.33
4	2.00	1.30	53.85
5	2.51	3.90	66.67
6	3.00	10.40	62.50
7	3.50	15.20	31.58
8	4.00	17.20	11.63
9	4.50	18.20	5.49
10	5.00	18.90	3.70
11	5.50	19.40	2.58
12	6.00	19.70	1.52
13	6.50	19.90	1.01
14	7.00	20.30	1.97
15	7.50	20.50	0.98
16	8.00	20.80	1.44
17	8.50	21.10	1.42
18	9.00	21.30	0.94
19	9.50	21.50	0.93
20	10.00	21.80	1.38
21	10.50	22.00	0.91
22	11.00	22.20	0.90

USER INPUT BLANK VALUE
BLANK VALUE = 25.51972 micrograms carbon
BLANK FACTOR = 25.51972 / 10.99988 = +2.3E+00 ug/min Carbon

SAMPLE RESULTS:
(22.2 - 25.51943)(1)/(1) = < 5.00 E-3 g/L Carbon
(22.2 - 25.51943)(1)/(1)(12) = < 4.17 E-4 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: JD SPELLMAN 00000

May 31 1996 5:34AM WHC 222S LAB ROOM 2F BACKSIDE No. 1324 P. 13/17

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLK Date: 05/30/96 Time: 22:13:14

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .78 ug/minute C

Analyst : JD SPELLMAN
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	1.51	0.90	55.56
4	2.00	1.70	47.06
5	2.50	2.30	26.09
6	3.00	2.90	20.69
7	3.50	3.30	12.12
8	4.00	3.70	10.81
9	4.50	4.00	7.50
10	5.00	4.30	6.98
11	5.50	4.50	4.44
12	6.00	4.90	8.16
13	6.50	5.10	3.92
14	7.00	5.30	3.77
15	7.50	5.50	3.64
16	8.00	5.70	3.51
17	8.50	5.90	3.39
18	9.00	6.10	3.28
19	9.50	6.30	3.17
20	10.00	6.40	1.56
21	10.50	6.60	3.03
22	11.00	6.80	2.94

USER INPUT BLANK VALUE
BLANK VALUE = 8.579905 micrograms carbon
BLANK FACTOR = 8.579905 / 10.99988 = +7.8E-01 ug/min Carbon

SAMPLE RESULTS:
(6.8 - 8.580571)(1)/(1) = < 5.00 E-3 g/L Carbon
(6.8 - 8.580571)(1)/(1)(12) = < 4.17 E-4 Molar Carbon

Sample Run By: _____
JD SPELLMAN 00000

780

X

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 24N12A Date: 05/30/96 Time: 21:59:09

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.32 ug/minute C

Analyst : JD SPELLMAN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.40	0.00
2	1.01	9.20	95.65
3	1.51	71.50	87.13
4	2.00	245.90	70.92
5	2.50	425.80	42.25
6	3.00	522.20	18.46
7	3.50	564.00	7.41
8	4.00	578.80	2.56
9	4.50	584.10	0.91
10	5.00	586.30	0.38
11	5.50	587.60	0.22
12	6.00	588.70	0.19
13	6.50	589.60	0.15
14	7.00	590.20	0.10
15	7.50	590.90	0.12
16	8.00	591.50	0.10
17	8.50	592.10	0.10
18	9.00	592.70	0.10
19	9.50	593.30	0.10
20	10.00	593.70	0.07
21	10.50	594.20	0.08
22	11.00	594.70	0.08

USER INPUT BLANK VALUE
BLANK VALUE = 25.51972 micrograms carbon
BLANK FACTOR = 25.51972 / 10.99988 = +2.3E+00 ug/min Carbon

SAMPLE RESULTS:
(594.7 - 25.51972)(1)/(1) = +5.692E+02 g/L Carbon
(594.7 - 25.51972)(1)/(1)(12) = +4.743E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: JD SPELLMAN 00000

May. 31. 1996 5:35AM WHC 222S LAB ROOM 2F BACKSIDE No. 1324 P. 15/17

XX

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 22N12B Date: 05/30/96 Time: 21:40:19

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .78 ug/minute C

Analyst : JD SPELLMAN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.30	0.00
2	1.01	0.60	50.00
3	1.50	1.10	45.45
4	2.00	1.80	38.89
5	2.50	2.80	35.71
6	3.00	6.70	58.21
7	3.50	23.00	70.87
8	4.00	62.70	63.32
9	4.50	119.60	47.58
10	5.00	188.60	36.59
11	5.50	261.20	27.79
12	6.00	354.20	26.26
13	6.50	502.60	29.53
14	7.00	569.70	11.78
15	7.50	594.60	4.19
16	8.00	603.20	1.43
17	8.50	606.40	0.53
18	9.00	608.20	0.30
19	9.50	609.10	0.15
20	10.00	610.00	0.15
21	10.50	610.60	0.10
22	11.00	611.20	0.10

USER INPUT BLANK VALUE
BLANK VALUE = 8.579905 micrograms carbon
BLANK FACTOR = 8.579905 / 10.99988 = +7.8E-01 ug/min Carbon

SAMPLE RESULTS:
(611.2 - 8.581238)(1)/(1) = +6.026E+02 g/L Carbon
(611.2 - 8.581238)(1)/(1)(12) = +5.022E+01 Molar Carbon

Sample Run By: _____
JD SPELLMAN 00000

May. 31. 1996 5:35AM WHC 222S LAB ROOM 2F BACKSIDE No. 1324 P. 16/17

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

Sample: BASE Date: 05/30/96 Time: 21:22:54

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

Analyst : JD SPELLMAN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	1.10	81.82
3	1.51	4.40	75.00
4	2.01	10.70	58.88
5	2.50	14.50	26.21
6	3.00	17.20	15.70
7	3.50	18.80	8.51
8	4.00	19.70	4.57
9	4.50	20.40	3.43
10	5.00	20.90	2.39
11	5.50	21.40	2.34
12	6.00	21.80	1.83
13	6.50	22.20	1.80
14	7.00	22.60	1.77
15	7.50	23.10	2.16
16	8.00	23.40	1.28
17	8.50	23.80	1.68
18	9.00	24.20	1.65
19	9.50	24.60	1.63
20	10.00	24.90	1.20
21	10.50	25.20	1.19
22	11.00	25.50	1.18

BLANK VALUE = 25.5 micrograms carbon
BLANK FACTOR = 25.5 / 10.99988 = +2.32E+00 ug/min Carbon

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

Sample Run By: _____
JD SPELLMAN 00000

783

rklistrpt Version 2.1 05/15/95
05/14/96 13:09

LABCORE Data Entry Template for Worklist# 6489

Analyst: KRM **Instrument:** CARB2 **Book #** 22N12B 24N12A

Method: LA-342-100 Rev/Mod DD

Worklist Comment: U-107 @TICTOC1. RCJ

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				@TICTOC1 TIC-02	SOLID			N/A	ug/g
		1	BLNK				@TICTOC1 TOC-02	SOLID			N/A	ug/g
		2	STD				@TICTOC1 TIC-02	SOLID			N/A	ug/g
		2	STD				@TICTOC1 TOC-02	SOLID			N/A	ug/g
96000085	U-107	3	SAMPLE	S96T001143	0		@TICTOC1 TIC-02	SOLID	N/A			ug/g
96000085	U-107	3	SAMPLE	S96T001143	0		@TICTOC1 TOC-02	SOLID	N/A			ug/g
96000085	U-107	4	DUP	S96T001143	0		@TICTOC1 TIC-02	SOLID			N/A	ug/g
96000085	U-107	4	DUP	S96T001143	0		@TICTOC1 TOC-02	SOLID			N/A	ug/g
96000085	U-107	5	SPK	S96T001143	0		@TICTOC1 TIC-02	SOLID			N/A	ug/g
96000085	U-107	5	SPK	S96T001143	0		@TICTOC1 TOC-02	SOLID			N/A	ug/g
96000126	U-107	6	SAMPLE	S96T001068	0		@TICTOC1 TIC-02	SOLID	N/A			ug/g
96000126	U-107	6	SAMPLE	S96T001068	0		@TICTOC1 TOC-02	SOLID	N/A			ug/g
96000126	U-107	7	DUP	S96T001068	0		@TICTOC1 TIC-02	SOLID			N/A	ug/g
96000126	U-107	7	DUP	S96T001068	0		@TICTOC1 TOC-02	SOLID			N/A	ug/g

Final page for worklist # 6489

Analyst Signature **Date** 6-5-96

Analyst Signature **Date** 6-6-96

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.

Jun. 6. 1996 4:27AM WHC 222S LAB ROOM 2F BACKSIDE No. 1584 P. 2/19

LABCORE Completed Worklist Report for Worklist# 6489

Analyst: krm **Instrument:** CARB2 **Book#** _____

Method: _____ Rev/Mod _____

Worklist Comment: U-107 @TICTOC1. RCJ

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
1	BLNK			0	@TICTOC1 TIC-02	SOLID	1	2.10E+0	2.100	ug/g
1	BLNK			0	@TICTOC1 TOC-02	SOLID	1	9.30E+0	9.300	ug/g
2	STD			0	@TICTOC1 TIC-02	SOLID	6.02E+02	5.98E+2	99.336	% Recovery
2	STD			0	@TICTOC1 TOC-02	SOLID	3.00E+03	3.07E+3	102.333	% Recovery
3	SAMPLE	S96T001143		0	@TICTOC1 TIC-02	SOLID	N/A	1.57E+03	5.000	ug/g
3	SAMPLE	S96T001143		0	@TICTOC1 TOC-02	SOLID	N/A	9.21E+02	40.000	ug/g
4	DUP	S96T001143		0	@TICTOC1 TIC-02	SOLID	1.57E+3	1.65E+3	4.969	RPD
4	DUP	S96T001143		0	@TICTOC1 TOC-02	SOLID	9.21E+2	8.43E+2	8.844	RPD
5	SPK	S96T001143		0	@TICTOC1 TIC-02	SOLID	1.00E+02	9.65E+01	96.500	% Recovery
5	SPK	S96T001143		0	@TICTOC1 TOC-02	SOLID	1.00E+02	8.91E+01	89.100	% Recovery
6	SAMPLE	S96T001068		0	@TICTOC1 TIC-02	SOLID	N/A	2.17E+03	5.000	ug/g
6	SAMPLE	S96T001068		0	@TICTOC1 TOC-02	SOLID	N/A	9.52E+03	40.000	ug/g
7	DUP	S96T001068		0	@TICTOC1 TIC-02	SOLID	2.17E+3	1.95E+3	10.680	RPD
7	DUP	S96T001068		0	@TICTOC1 TOC-02	SOLID	9.52E+3	8.56E+3	10.619	RPD

Final page for worklist# 6489

Analyst Signature **Date** **Analyst Signature** **Date**

Approved Ray Schroeder 6/7/96
Reviewer Signature **Date**

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

WORKBOOK PAGE: BLANK1

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
	Sample Size in g	(SS)	0.0000	0.0000
BLNK	Dilution Factor	(DF)	1	1
	µg of Carbon in Sample	(C1)	10.5	28.9
6489	µg of Carbon from Baseline	(C2)	8.4	19.6

@TICTOC1

SOLID

96002150

µg of Carbon = |C1-C2|

0

N/A

blank

carb2

RCJ

RWS

KRM

06/06/96

06/05/96

		TIC	TOC
	Method Detection Limit in ug/g	5	40
09:37 PM			
	ug of Carbon	2.10E+00	9.30E+00
U-107			

Data Entered By:	RCJ	Date:	06/06/96
Signature of Chemist:	Ruw Schroeder	Date:	6/7/96

BLANK.WB1 REV 1.0 342100ML

WORKBOOK PAGE: STD2

TIC/TOC : LA-342-100 (C-0) LIQUIDS

			TIC	TOC
[illegible]	Sample Size in mL	(SS)	1.0000	0.2000
STD	Dilution Factor	(DF)	1	1
[illegible]	Final Coulometer Reading in µg	(C1)	606.3	633.6
6489	µg of Carbon from Baseline	(C2)	8.4	19.6
[illegible]	Standard Book Number		22N12B	24N12A
@TICTOC1	Standard Value (µg/ml)		602	3000

[illegible]	
LIQUID	
Batch Number	
96002150	
Rerun	
0	QC Actual in µg/mL = Standard Value (µg/mL)
Sample Prep	QC Found in µg/mL = (C1 - C2) * DF / SS
N/A	QC Found in µg/mL for TIC = 5 if C1 < C2
Sample	QC Found in µg/mL for TOC = 40 if C1 < C2
STD	
Instrument Code	% Recovery = QC Found / QC Actual * 100
carb2	
Prepared By	
RCJ	
Chemist	
RWS	
Analyst	
KRM	
Date Complete	
06/06/96	
Analysis Date	
06/05/96	

		TIC	TOC
Analysis Time	Method Detection Limit in µg/mL	5	40
09:37 PM	QC Actual in µg/mL	6.02E+02	3.00E+03
Sample Point	QC Found in µg/mL	5.98E+02	3.07E+03
U-107	Percent Standard Recovery	99.3	102.3

Data Entered By:	RCJ	Date:	06/06/96
Signature of Chemist:	RW Schroeder	Date:	6/7/96

STANDARD.WB1 REV 1.0 342100ML

WORKBOOK PAGE: SAM3

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
Sample No	Sample Size in g	(SS)	0.1297	0.1297
SAMPLE	Dilution Factor	(DF)	1	1
Worklist	µg of Carbon in Sample	(C1)	211.8	139.1
6489	µg of Carbon from Baseline	(C2)	8.4	19.6
Instrument				
@TICTOC1				

Matrix
SOLID

Batch Number
96002150

Report
0

Sample Prep
N/A

Sample #
S96T001143

Instrument Code
carb2

Prepared By
RCJ

Chemist
RWS

Analyst
KRM

Date Complete
06/06/96

Analysis Date
06/05/96

Analysis Time
09:37 PM

Sample Point
U-107

µg of Carbon/g = (C1-C2) * DF / SS
µg of Carbon/g for TIC = 5 if C1 < C2
µg of Carbon/g for TOC = 40 if C1 < C2

	TIC	TOC
Method Detection Limit in ug/g	5	40
µg of Carbon/g	1.57E+03	9.21E+02

Data Entered By:	RCJ	Date:	06/06/96
Signature of Chemist:	RW Schroeder	Date:	6/7/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: DUP4

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
[illegible]	Sample Size in g	(SS)	0.2144	0.2144
DUP	Dilution Factor	(DF)	1	1
Work List	µg of Carbon in Sample	(C1)	361.3	200.3
6489	µg of Carbon from Baseline	(C2)	8.4	19.6
Test Code	Known µg of C from Original Sample		1.57E+3	9.21E+2
@TICTOC1				

Matrix	
SOLID	
Batch Number	
96002150	
Recur	µg of Carbon/g = (C1-C2) * DF / SS
0	µg of Carbon/g for TIC = 5 if C1 < C2
Sample Prep	µg of Carbon/g for TOC = 40 if C1 < C2
N/A	
Sample	RPD (of Sample and Dup Results) = | Difference | / Average
S96T001143	
Instrument Code	
carb2	
Prepared By	
RCJ	
Chemist	
RWS	
Analyst	
KRM	
Date Complete	
06/06/96	
Analysis Date	
06/05/96	

		TIC	TOC
Analysis Time	Method Detection Limit in ug/g	5	40
09:37 PM			
Sample Point	µg of Carbon/g	1.65E+03	8.43E+02
U-107	RPD (of Sam and Dup Results)	~~4.7%~~ 4.97 RWS 6/7/96	8.9% 8.8 RWS 6/7/96

Data Entered By:	RCJ	Date:	06/06/96
Signature of Chemist:	RW Schroeder	Date:	6/7/96

SAMPLE.WB1 REV 1.0 342100ML

789

I:\342100\OUT\TI6489.WB1 06/06/96 13:54:17

WORKBOOK PAGE: SPIKE5

TIC/TOC : LA-342-100 (C-0) SOLIDS

Type	Sample Vial Data		TIC	TOC
SPK	Sample Size in g	(SS)	0.1297	0.1297
Work List	Final Coulometer Reading in µg	(C1)	211.8	139.1
6489	**Spiked Vial Data**			
[illegible]	Sample Size in g	(SPK SS)	0.3634	0.3634
@TICTOC1	Amount of Spike Std. in mL	(SPK VOL)	0.500	0.100
Matrix	Final Coulometer Reading in µg	(C3)	863.1	614.3
SOLID	Spike Book Number		22N12B	24N12A
Batch Number	Spike Standard Value in µg/ml		602	3000
96002150	Spike Concentration in µg	(SPK CONC)	301	300

Rerun
0
Sample Prep
N/A
Sample
S96T001143
Instrument Code
carb2
Prepared By
RCJ
Chemist
RWS
Analyst
KRM
Date Complete
06/06/96
Analysis Date
06/05/96

Spike Concentration in µg = (Spike Std. Value in µg/mL)*(SPK VOL)

Percent Spike Recovery = (C3) / [(C1/SS * SPK SS) + (SPK CONC)] * 100

QC Actual in µg/mL = Spike Value (µg/mL)
QC Found in µg/mL = (Percent Spike Recovery)*(QC Actual) / 100

Analysis Time		TIC	TOC
09:37 PM	QC Actual in µg/mL	6.02E+02	3.00E+03
Sample Point	QC Found in µg/mL	5.81E+02	2.67E+03
U-107	Percent Spike Recovery	96.5	89.1

RW Schroeder
6/7/96

WORKBOOK PAGE: SAM6

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
Type	Sample Size in g	(SS)	0.1577	0.1577
SAMPLE	Dilution Factor	(DF)	1	1
Work Order	µg of Carbon in Sample	(C1)	350	1521.1
6489	µg of Carbon from Baseline	(C2)	8.4	19.6
Instrument				
@TICTOC1				

Matrix: SOLID

Batch Number: 96002150

Dilution Factor: 0

Sample Prep: N/A

Sample: S96T001068

Instrument Id: carb2

Prepared By: RCJ

Chemist: RWS

Analyst: KRM

Date Complete: 06/06/96

Analysis Date: 06/05/96

Analysis Time: 09:37 PM

Sample Point: U-107

µg of Carbon/g = (C1-C2) * DF / SS
µg of Carbon/g for TIC = 5 if C1 < C2
µg of Carbon/g for TOC = 40 if C1 < C2

	TIC	TOC
Method Detection Limit in ug/g	5	40
µg of Carbon/g	2.17E+03	9.52E+03

Data Entered By:	RCJ	Date:	06/06/96
Signature of Chemist:	Ron Schroeder	Date:	6/7/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: DUP7

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
	Sample Size in g	(SS)	0.0859	0.0859
DUP	Dilution Factor	(DF)	1	1
	µg of Carbon in Sample	(C1)	175.6	755.1
6489	µg of Carbon from Baseline	(C2)	8.4	19.6
	Known µg of C from Original Sample		2.17E+3	9.52E+3
@TICTOC1				

Matrix: SOLID

Batch Number: 96002150

Dilution: 0

Sample Prep: N/A

Sample: S96T001068

Instrument Id: carb2

Preparedby: RCJ

Chemist: RWS

Analyst: KRM

Date Completed: 06/06/96

Analysis Date: 06/05/96

Analysis Time: 09:37 PM

Sample Point: U-107

µg of Carbon/g = (C1-C2) * DF / SS
µg of Carbon/g for TIC = 5 if C1 < C2
µg of Carbon/g for TOC = 40 if C1 < C2

RPD (of Sample and Dup Results) = | Difference | / Average

	TIC	TOC
Method Detection Limit in ug/g	5	40
µg of Carbon/g	1.95E+03	8.56E+03
RPD (of Sam and Dup Results)	~~10.9%~~ 10.7 RWS 6/7/96	10.6% 10.6

Data Entered By:	RCJ	Date:	06/06/96
Signature of Chemist:	Rui Schneider	Date:	6/7/96

SAMPLE.WB1 REV 1.0 342100ML

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

Sample: BASELINE Date: 06/05/96 Time: 21:37:58

Sample Size = 1 uL
Dil Factor = 1
Blank ID # = BASELINE
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	1.80	88.89
3	1.51	2.30	21.74
4	2.00	2.80	17.86
5	2.50	3.40	17.65
6	3.00	3.70	8.11
7	3.50	4.00	7.50
8	4.00	4.30	6.98
9	4.50	4.60	6.52
10	5.00	4.90	6.12
11	5.50	5.30	7.55
12	6.00	5.60	5.36
13	6.50	5.90	5.08
14	7.00	6.10	3.28
15	7.50	6.40	4.69
16	8.00	6.60	3.03
17	8.50	6.90	4.35
18	9.00	7.20	4.17
19	9.50	7.50	4.00
20	10.00	7.80	3.85
21	10.50	8.10	3.70
22	11.00	8.40	3.57

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 793 TO 808.

BLANK VALUE = 8.4 micrograms carbon
BLANK FACTOR = 8.4 / 10.99988 = +7.6E-01 ug/min Carbon

Sample Run By: 6-5-96
KR MONTEITH 00000

Jun. 6. 1996 4:28AM WHC 222S LAB ROOM 2F BACKSIDE No. 1584 P. 4/19

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLK Date: 06/05/96 Time: 22:33:19

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .76 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	3.00	80.00
3	1.51	4.20	28.57
4	2.00	4.80	12.50
5	2.50	5.20	7.69
6	3.00	5.70	8.77
7	3.50	6.00	5.00
8	4.00	6.40	6.25
9	4.50	6.70	4.48
10	5.00	7.00	4.29
11	5.50	7.20	2.78
12	6.00	7.70	6.49
13	6.50	8.00	3.75
14	7.00	8.30	3.61
15	7.50	8.50	2.35
16	8.00	8.70	2.30
17	8.50	9.00	3.33
18	9.00	9.30	3.23
19	9.50	9.60	3.13
20	10.00	9.90	3.03
21	10.50	10.20	2.94
22	11.00	10.50	2.86

USER INPUT BLANK VALUE
BLANK VALUE = 8.36102 micrograms carbon
BLANK FACTOR = 8.36102 / 11.00134 = +7.6E-01 ug/min Carbon

SAMPLE RESULTS:
(10.5 - 8.360557)(1)/(1) = +2.14E+00 g/L Carbon
(10.5 - 8.360557)(1)/(1)(12) = +1.78E-01 Molar Carbon

Sample Run By: _____
KR MONTEITH 00000

Jun. 6. 1996 4:30AM WHC 222S LAB ROOM 2F BACKSIDE No. 1584 P. 8/19

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLK Date: 06/05/96 Time: 22:46:47

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.78 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	3.60	83.33
3	1.50	11.60	68.97
4	2.00	17.00	31.76
5	2.50	20.20	15.84
6	3.01	21.50	6.05
7	3.51	22.40	4.02
8	4.00	23.20	3.45
9	4.50	23.70	2.11
10	5.00	24.20	2.07
11	5.50	24.80	2.42
12	6.00	25.20	1.59
13	6.50	25.60	1.56
14	7.00	26.00	1.54
15	7.50	26.40	1.52
16	8.00	26.80	1.49
17	8.50	27.10	1.11
18	9.00	27.70	2.17
19	9.50	27.90	0.72
20	10.00	28.20	1.06
21	10.50	28.60	1.40
22	11.00	28.90	1.04

USER INPUT BLANK VALUE
BLANK VALUE = 19.58239 micrograms carbon
BLANK FACTOR = 19.58239 / 11.00134 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(28.9 - 19.58109)(1)/(1) = +9.32E+00 g/L Carbon
(28.9 - 19.58109)(1)/(1)(12) = +7.77E-01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: KR MONTEITH 00000

Jun. 6. 1996 4:30AM WHC 222S LAB ROOM 2F BACKSIDE No. 1584 P. 9/19

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

Sample: BASELINE Date: 06/05/96 Time: 21:50:31

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

Analyst : KR MONTEITH
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	6.00	75.00
4	2.01	11.40	47.37
5	2.50	14.90	23.49
6	3.00	16.40	9.15
7	3.50	16.70	1.80
8	4.00	17.00	1.76
9	4.50	17.40	2.30
10	5.00	17.70	1.69
11	5.50	18.00	1.67
12	6.00	18.10	0.55
13	6.50	18.30	1.09
14	7.00	18.50	1.08
15	7.50	18.70	1.07
16	8.00	18.70	0.00
17	8.50	18.70	0.00
18	9.00	18.70	0.00
19	9.50	18.70	0.00
20	10.00	18.70	0.00
21	10.50	18.80	0.53
22	11.00	19.60	4.08

BLANK VALUE = 19.6 micrograms carbon
BLANK FACTOR = 19.6 / 11.00134 = +1.78E+00 ug/min Carbon

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

Sample Run By: _____
KR MONTEITH 00000

Jun. 6. 1996 4:29AM WHC 222S LAB ROOM 2F BACKSIDE No. 1584 P. 5/19

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD Date: 06/05/96 Time: 22:02:02

Sample Size = 1000 uL
Dil Factor = 1
Blank ID # =
Blank Value = .76 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	30.20	92.05
3	1.51	196.20	84.61
4	2.01	361.00	45.65
5	2.51	474.80	23.97
6	3.01	541.30	12.29
7	3.51	576.10	6.04
8	4.01	591.80	2.65
9	4.51	598.10	1.05
10	5.01	600.70	0.43
11	5.51	602.00	0.22
12	6.01	602.90	0.15
13	6.50	603.20	0.05
14	7.00	603.80	0.10
15	7.50	604.00	0.03
16	8.00	604.40	0.07
17	8.50	604.80	0.07
18	9.00	605.10	0.05
19	9.50	605.40	0.05
20	10.00	605.80	0.07
21	10.50	606.00	0.03
22	11.00	606.30	0.05

USER INPUT BLANK VALUE
BLANK VALUE = 8.36102 micrograms carbon
BLANK FACTOR = 8.36102 / 11.00134 = +7.6E-01 ug/min Carbon

SAMPLE RESULTS:
(606.3 - 8.361856)(1)/(1000) = +5.979E-01 g/L Carbon
(606.3 - 8.361856)(1)/(1000)(12) = +4.983E-02 Molar Carbon

Sample Run By: _____
KR MONTEITH 00000

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD Date: 06/05/96 Time: 22:19:27

Sample Size = 200 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.78 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.30	0.00
2	1.01	32.80	99.09
3	1.51	205.50	84.04
4	2.00	440.80	53.38
5	2.50	555.50	20.65
6	3.00	599.10	7.28
7	3.50	614.80	2.55
8	4.00	620.30	0.89
9	4.50	622.50	0.35
10	5.00	624.00	0.24
11	5.50	624.80	0.13
12	6.00	625.90	0.18
13	6.50	627.00	0.18
14	7.00	628.40	0.22
15	7.50	629.50	0.17
16	8.00	630.40	0.14
17	8.50	631.10	0.11
18	9.00	631.70	0.09
19	9.50	632.20	0.08
20	10.00	632.80	0.09
21	10.50	633.10	0.05
22	11.00	633.60	0.08

USER INPUT BLANK VALUE
BLANK VALUE = 19.58239 micrograms carbon
BLANK FACTOR = 19.58239 / 11.00134 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(633.6 - 19.57804)(1)/(200) = +3.070E+00 g/L Carbon
(633.6 - 19.57804)(1)/(200)(12) = +2.558E-01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
KR MONTEITH 00000

Jun. 6. 1996 4:30AM WHC 222S LAB ROOM 2F BACKSIDE No. 1584 P. 7/19

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001143 Date: 06/05/96 Time: 23:00:51

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .76 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	1.01	12.00	95.83
3	1.50	62.30	80.74
4	2.00	114.90	45.78
5	2.50	153.00	24.90
6	3.00	172.50	11.30
7	3.50	183.00	5.74
8	4.00	188.40	2.87
9	4.50	192.80	2.28
10	5.00	196.20	1.73
11	5.50	198.60	1.21
12	6.00	200.60	1.00
13	6.50	202.40	0.89
14	7.00	203.80	0.69
15	7.50	205.10	0.63
16	8.00	206.50	0.68
17	8.50	207.40	0.43
18	9.00	208.50	0.53
19	9.50	209.40	0.43
20	10.00	210.30	0.43
21	10.50	211.00	0.33
22	11.00	211.80	0.38

USER INPUT BLANK VALUE
BLANK VALUE = 8.36102 micrograms carbon
BLANK FACTOR = 8.36102 / 11.00134 = +7.6E-01 ug/min Carbon

SAMPLE RESULTS:
(211.8 - 8.358979)(1)/(1) = +2.034E+02 g/L Carbon
(211.8 - 8.358979)(1)/(1)(12) = +1.695E+01 Molar Carbon

Sample Run By: KR MONTEITH 00000

$\frac{203.4}{1297} = 1.57E^{3}$

Jun. 6. 1996 4:31AM WHC 222S LAB ROOM 2F BACKSIDE No. 1584 P. 10/19

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001143 Date: 06/05/96 Time: 23:12:54

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.78 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	22.90	89.96
3	1.51	58.90	61.12
4	2.00	90.60	34.99
5	2.50	107.60	15.80
6	3.00	116.20	7.40
7	3.50	120.90	3.89
8	4.00	123.90	2.42
9	4.50	126.30	1.90
10	5.00	128.20	1.48
11	5.50	129.70	1.16
12	6.00	131.00	0.99
13	6.50	132.20	0.91
14	7.00	133.30	0.83
15	7.50	134.10	0.60
16	8.00	134.90	0.59
17	8.50	135.80	0.66
18	9.00	136.60	0.59
19	9.50	137.10	0.36
20	10.00	137.80	0.51
21	10.50	138.40	0.43
22	11.00	139.10	0.50

USER INPUT BLANK VALUE
BLANK VALUE = 19.58239 micrograms carbon
BLANK FACTOR = 19.58239 / 11.00134 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(139.1 - 19.5813)(1)/(1) = +1.195E+02 g/L Carbon
(139.1 - 19.5813)(1)/(1)(12) = +9.960E+00 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: KR MONTEITH 00000

800

$\frac{119.5}{.997} = 9.212^2$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001143 DU Date: 06/05/96 Time: 23:35:38

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .76 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	1.30	46.15
3	1.51	32.90	96.05
4	2.01	121.50	72.92
5	2.51	208.60	41.75
6	3.01	267.70	22.08
7	3.51	301.20	11.12
8	4.00	318.20	5.34
9	4.50	327.40	2.81
10	5.00	333.20	1.74
11	5.50	337.80	1.36
12	6.00	341.70	1.14
13	6.50	345.00	0.96
14	7.00	347.60	0.75
15	7.50	350.20	0.74
16	8.00	352.40	0.62
17	8.50	354.40	0.56
18	9.00	356.10	0.48
19	9.50	357.50	0.39
20	10.00	359.00	0.42
21	10.50	360.20	0.33
22	11.00	361.30	0.30

USER INPUT BLANK VALUE
BLANK VALUE = 8.36102 micrograms carbon
BLANK FACTOR = 8.36102 / 11.00134 = +7.6E-01 ug/min Carbon

SAMPLE RESULTS:
(361.3 - 8.361206)(1)/(1) = +3.529E+02 g/L Carbon
(361.3 - 8.361206)(1)/(1)(12) = +2.941E+01 Molar Carbon

Sample Run By: KR MONTEITH 00000

801

352.9 = 1.65E3

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001143 DU Date: 06/05/96 Time: 23:48:12

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.78 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	5.30	0.00
2	1.01	45.20	88.27
3	1.50	101.40	55.42
4	2.00	143.30	29.24
5	2.50	162.30	11.71
6	3.00	172.10	5.69
7	3.50	177.70	3.15
8	4.01	181.50	2.09
9	4.50	184.40	1.57
10	5.00	186.90	1.34
11	5.50	188.80	1.01
12	6.00	190.60	0.94
13	6.50	191.80	0.63
14	7.00	193.20	0.72
15	7.50	194.50	0.67
16	8.00	195.60	0.56
17	8.50	196.50	0.46
18	9.00	197.40	0.46
19	9.50	198.20	0.40
20	10.00	199.10	0.45
21	10.50	199.60	0.25
22	11.00	200.30	0.35

USER INPUT BLANK VALUE
BLANK VALUE = 19.58239 micrograms carbon
BLANK FACTOR = 19.58239 / 11.00134 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(200.3 - 19.58109)(1)/(1) = +1.807E+02 g/L Carbon
(200.3 - 19.58109)(1)/(1)(12) = +1.506E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
KR MONTEITH 00000

Jun. 6. 1996 4:32AM WHC 222S LAB ROOM 2F BACKSIDE No. 1584 P. 13/19

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001143 SP Date: 06/06/96 Time: 01:39:06

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .76 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	38.70	98.97
3	1.50	260.00	85.12
4	2.00	506.90	48.71
5	2.50	667.20	24.03
6	3.00	756.00	11.75
7	3.50	804.20	5.99
8	4.00	827.50	2.82
9	4.50	837.90	1.24
10	5.00	843.50	0.66
11	5.50	847.60	0.48
12	6.00	850.40	0.33
13	6.50	853.00	0.30
14	7.00	855.20	0.26
15	7.50	856.70	0.18
16	8.00	858.10	0.16
17	8.50	859.30	0.14
18	9.00	860.30	0.12
19	9.50	861.10	0.09
20	10.00	861.80	0.08
21	10.50	862.50	0.08
22	11.00	863.10	0.07

USER INPUT BLANK VALUE
BLANK VALUE = 8.36102 micrograms carbon
BLANK FACTOR = 8.36102 / 11.00134 = +7.6E-01 ug/min Carbon

SAMPLE RESULTS:
(863.1 - 8.359118)(1)/(1) = +8.547E+02 g/L Carbon
(863.1 - 8.359118)(1)/(1)(12) = +7.123E+01 Molar Carbon

Sample Run By: KR MONTEITH 00000

Jun. 6. 1996 4:33AM WHC 222S LAB ROOM 2F BACKSIDE No. 1584 P. 14/19

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001143 SP Date: 06/06/96 Time: 01:56:16

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.78 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	3.90	0.00
2	1.01	69.80	94.41
3	1.50	234.60	70.25
4	2.00	429.50	45.38
5	2.50	524.90	18.17
6	3.00	565.80	7.23
7	3.50	584.40	3.18
8	4.00	592.10	1.30
9	4.50	596.80	0.79
10	5.00	600.00	0.53
11	5.50	602.50	0.41
12	6.00	604.50	0.33
13	6.50	606.10	0.26
14	7.00	607.40	0.21
15	7.50	608.70	0.21
16	8.00	609.80	0.18
17	8.50	610.70	0.15
18	9.00	611.70	0.16
19	9.50	612.30	0.10
20	10.00	613.00	0.11
21	10.50	613.80	0.13
22	11.00	614.30	0.08

USER INPUT BLANK VALUE
BLANK VALUE = 19.58239 micrograms carbon
BLANK FACTOR = 19.58239 / 11.00134 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(614.3 - 19.57466)(1)/(1) = +5.947E+02 g/L Carbon
(614.3 - 19.57466)(1)/(1)(12) = +4.956E+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: S96T001068 Date: 06/06/96 Time: 02:16:36

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .76 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	3.00	73.33
3	1.51	21.80	86.24
4	2.00	64.30	66.10
5	2.51	123.50	47.94
6	3.01	188.50	34.48
7	3.51	245.80	23.31
8	4.01	285.80	14.00
9	4.50	307.60	7.09
10	5.00	319.20	3.63
11	5.50	326.00	2.09
12	6.00	330.60	1.39
13	6.50	334.40	1.14
14	7.00	337.10	0.80
15	7.50	339.50	0.71
16	8.00	341.70	0.64
17	8.50	343.60	0.55
18	9.00	344.90	0.38
19	9.50	346.50	0.46
20	10.00	347.60	0.32
21	10.50	349.00	0.40
22	11.00	350.00	0.29

USER INPUT BLANK VALUE
BLANK VALUE = 8.36102 micrograms carbon
BLANK FACTOR = 8.36102 / 11.00134 = +7.6E-01 ug/min Carbon

SAMPLE RESULTS:
(350 - 8.361264)(1)/(1) = +3.416E+02 g/L Carbon
(350 - 8.361264)(1)/(1)(12) = +2.847E+01 Molar Carbon

Sample Run By: KR MONTEITH 00000

Jun. 6. 1996 4:33AM WHC 222S LAB ROOM 2F BACKSIDE No. 1584 P. 16/19

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001068 Date: 06/06/96 Time: 02:30:44

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.78 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	136.10	98.97
3	1.51	517.60	73.71
4	2.00	801.80	35.45
5	2.50	1089.30	26.39
6	3.00	1252.20	13.01
7	3.50	1331.90	5.98
8	4.00	1380.50	3.52
9	4.50	1413.30	2.32
10	5.00	1434.40	1.47
11	5.50	1450.00	1.08
12	6.00	1462.70	0.87
13	6.50	1473.50	0.73
14	7.00	1482.30	0.59
15	7.50	1489.50	0.48
16	8.00	1496.00	0.43
17	8.50	1501.60	0.37
18	9.00	1506.50	0.33
19	9.50	1510.70	0.28
20	10.00	1514.70	0.26
21	10.50	1518.00	0.22
22	11.00	1521.10	0.20

USER INPUT BLANK VALUE
BLANK VALUE = 19.58239 micrograms carbon
BLANK FACTOR = 19.58239 / 11.00134 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(1521.1 - 19.57943)(1)/(1) = +1.5015E+03 g/L Carbon
(1521.1 - 19.57943)(1)/(1)(12) = +1.2513E+02 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
KR MONTEITH 00000

Jun. 6. 1996 4:34AM WHC 222S LAB ROOM 2F BACKSIDE No. 1584 P. 17/19

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001068 DU Date: 06/06/96 Time: 02:49:41

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

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.90	0.00
2	1.01	3.60	75.00
3	1.51	17.60	79.55
4	2.00	47.50	62.95
5	2.50	83.40	43.05
6	3.00	115.30	27.67
7	3.50	136.00	15.22
8	4.00	147.90	8.05
9	4.50	154.70	4.40
10	5.00	159.20	2.83
11	5.50	162.10	1.79
12	6.00	164.20	1.28
13	6.50	166.10	1.14
14	7.00	167.50	0.84
15	7.50	169.00	0.89
16	8.00	170.20	0.71
17	8.50	171.20	0.58
18	9.00	172.20	0.58
19	9.50	173.10	0.52
20	10.00	173.90	0.46
21	10.50	174.70	0.46
22	11.00	175.60	0.51

USER INPUT BLANK VALUE
BLANK VALUE = 8.36102 micrograms carbon
BLANK FACTOR = 8.36102 / 11.00134 = +7.6E-01 ug/min Carbon

SAMPLE RESULTS:
(175.6 - 8.36051)(1)/(1) = +1.672E+02 g/L Carbon
(175.6 - 8.36051)(1)/(1)(12) = +1.394E+01 Molar Carbon

Sample Run By: _____
KR MONTEITH 00000

Jun. 6. 1996 4:34AM WHC 222S LAB ROOM 2F BACKSIDE No. 1584 P. 18/19

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001068 Date: 06/06/96 Time: 04:16:06

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 1.78 ug/minute C

Analyst : KR MONTEITH
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	4.70	0.00
2	1.01	158.40	97.03
3	1.51	344.20	53.98
4	2.01	509.90	32.50
5	2.51	602.00	15.30
6	3.00	654.20	7.98
7	3.50	684.50	4.43
8	4.00	702.30	2.53
9	4.50	713.80	1.61
10	5.00	721.30	1.04
11	5.50	727.20	0.81
12	6.00	732.20	0.68
13	6.50	736.20	0.54
14	7.00	739.70	0.47
15	7.50	742.50	0.38
16	8.00	745.10	0.35
17	8.50	747.20	0.28
18	9.00	749.10	0.25
19	9.50	750.90	0.24
20	10.00	752.40	0.20
21	10.50	753.80	0.19
22	11.00	755.10	0.17

USER INPUT BLANK VALUE
BLANK VALUE = 19.58239 micrograms carbon
BLANK FACTOR = 19.58239 / 11.00134 = +1.8E+00 ug/min Carbon

SAMPLE RESULTS:
(755.1 - 19.58117)(1)/(1) = +7.355E+02 g/L Carbon
(755.1 - 19.58117)(1)/(1)(12) = +6.129E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: _____
KR MONTEITH 00000

Jun. 6. 1996 4:35AM WHC 222S LAB ROOM 2F BACKSIDE No. 1584 P. 19/19

LABCORE Data Entry Template for Worklist# 6617

Analyst: PJM **Instrument:** CARB2 _____ **Book#** TIC 22N12B
TOC 24N12A

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

Worklist Comment: U-105 FOR TIC/TOC ACID PERSULFATE RTS!

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	BLNK				@TICTOC1	SOLID		
2	STD				@TICTOC1	SOLID		
3	SAMPLE	S96T000974	0		@TICTOC1	SOLID	96000092	U-105 (R)
		Analytes Requested: TIC-02 , TOC-02						
4	DUP	S96T000974	0		@TICTOC1	SOLID		
5	SPK	S96T000974	0		@TICTOC1	SOLID		
6	SAMPLE	S96T000983	0		@TICTOC1	SOLID	96000092	U-105 (R)
		Analytes Requested: TIC-02 , TOC-02						
7	DUP	S96T000983	0		@TICTOC1	SOLID		
8	SAMPLE	S96T000990	0		@TICTOC1	SOLID	96000092	U-105 (R)
		Analytes Requested: TIC-02 , TOC-02						
9	DUP	S96T000990	0		@TICTOC1	SOLID		
10	SAMPLE	S96T002142	0		@TICTOC1	LIQUID	96000422	U-107
		Analytes Requested: TIC-02 , TOC-02						
11	DUP	S96T002142	0		@TICTOC1	LIQUID		

Final page for worklist # 6617

See Attached Sheet
Analyst Signature **Date**

Analyst Signature **Date**

Data Entry Comments:

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

LABCORE Completed Worklist Report for Worklist# 6617

Analyst: pjm **Instrument:** CARB2 **Book#** _____

Method: _____ Rev/Mod _____

Worklist Comment: U-105 FOR TIC/TOC ACID PERSULFATE RTS!

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
1	BLNK			0	@TICTOC1 TIC-02	SOLID	1	1.40E+0	1.400	ug/g
1	BLNK			0	@TICTOC1 TOC-02	SOLID	1	4.20E+0	4.200	ug/g
2	STD			0	@TICTOC1 TIC-02	SOLID	6.02E+02	6.02E+2	100.000	% Recovery
2	STD			0	@TICTOC1 TOC-02	SOLID	3.00E+03	2.83E+3	94.333	% Recovery
3	SAMPLE	S96T000974		0	@TICTOC1 TIC-02	SOLID	N/A	7.84E+03	5.000	ug/g
3	SAMPLE	S96T000974		0	@TICTOC1 TOC-02	SOLID	N/A	9.53E+03	40.000	ug/g
4	DUP	S96T000974		0	@TICTOC1 TIC-02	SOLID	7.84E+3	7.95E+3	1.393	RPD
4	DUP	S96T000974		0	@TICTOC1 TOC-02	SOLID	9.53E+3	9.48E+3	0.526	RPD
5	SPK	S96T000974		0	@TICTOC1 TIC-02	SOLID	1.00E+02	9.07E+01	90.700	% Recovery
5	SPK	S96T000974		0	@TICTOC1 TOC-02	SOLID	1.00E+02	8.66E+01	86.600	% Recovery
6	SAMPLE	S96T000983		0	@TICTOC1 TIC-02	SOLID	N/A	1.06E+04	5.000	ug/g
6	SAMPLE	S96T000983		0	@TICTOC1 TOC-02	SOLID	N/A	1.28E+04	40.000	ug/g
7	DUP	S96T000983		0	@TICTOC1 TIC-02	SOLID	1.06E+4	1.02E+4	3.846	RPD
7	DUP	S96T000983		0	@TICTOC1 TOC-02	SOLID	1.28E+4	1.22E+4	4.800	RPD
8	SAMPLE	S96T000990		0	@TICTOC1 TIC-02	SOLID	N/A	8.17E+03	5.000	ug/g
8	SAMPLE	S96T000990		0	@TICTOC1 TOC-02	SOLID	N/A	9.98E+03	40.000	ug/g
9	DUP	S96T000990		0	@TICTOC1 TIC-02	SOLID	8.17E+3	8.09E+3	0.984	RPD
9	DUP	S96T000990		0	@TICTOC1 TOC-02	SOLID	9.98E+3	9.73E+3	2.537	RPD
10	SAMPLE	S96T002142		0	@TICTOC1 TIC-02	LIQUID	N/A	6.86E+03	5.000	ug/mL
10	SAMPLE	S96T002142		0	@TICTOC1 TOC-02	LIQUID	N/A	4.92E+03	40.000	ug/mL
11	DUP	S96T002142		0	@TICTOC1 TIC-02	LIQUID	6.86E+3	6.83E+3	0.438	RPD
11	DUP	S96T002142		0	@TICTOC1 TOC-02	LIQUID	4.92E+3	4.61E+3	6.506	RPD

Final page for worklist# 6617

[signature] 6-4-96
Analyst Signature Date

Analyst Signature Date

Robert N Schroeder 6/5/96
Reviewer Signature Date

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

worklistrpt Version 2.1 05/15/95
6/29/96 08:39

LABCORE Data Entry Template for Worklist# 6617

Analyst: BSMcCown **Instrument:** CARB2 _____ **Book #** TIC 22N12B TOC 24N12A

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

Worklist Comment: U-105 FOR TIC/TOC ACID PERSULFATE RTS!

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				@TICTOC1 TIC-02	SOLID	1	1.4	N/A	ug/g
		1	BLNK				@TICTOC1 TOC-02	SOLID	1	4.2	N/A	ug/g
		2	STD				@TICTOC1 TIC-02	SOLID	6.02E2	6.02E2	N/A	ug/g
		2	STD				@TICTOC1 TOC-02	SOLID	3.00E3	2.82E3	N/A	ug/g
96000092	U-105 (R)	3	SAMPLE	S96T000974	0		@TICTOC1 TIC-02	SOLID	N/A	7.84E3		ug/g
96000092	U-105 (R)	3	SAMPLE	S96T000974	0		@TICTOC1 TOC-02	SOLID	N/A	9.53E3		ug/g
96000092	U-105 (R)	4	DUP	S96T000974	0		@TICTOC1 TIC-02	SOLID	7.84E3	7.94E3	N/A	ug/g
96000092	U-105 (R)	4	DUP	S96T000974	0		@TICTOC1 TOC-02	SOLID	9.53E3	9.48E3	N/A	ug/g
96000092	U-105 (R)	5	SPK	S96T000974	0		@TICTOC1 TIC-02	SOLID	100	91	N/A	ug/g
96000092	U-105 (R)	5	SPK	S96T000974	0		@TICTOC1 TOC-02	SOLID	100	87	N/A	ug/g
96000092	U-105 (R)	6	SAMPLE	S96T000983	0		@TICTOC1 TIC-02	SOLID	N/A	1.06E4		ug/g
96000092	U-105 (R)	6	SAMPLE	S96T000983	0		@TICTOC1 TOC-02	SOLID	N/A	1.28E4		ug/g
96000092	U-105 (R)	7	DUP	S96T000983	0		@TICTOC1 TIC-02	SOLID	1.06E4	1.02E4	N/A	ug/g
96000092	U-105 (R)	7	DUP	S96T000983	0		@TICTOC1 TOC-02	SOLID	1.28E4	1.22E4	N/A	ug/g
96000092	U-105 (R)	8	SAMPLE	S96T000990	0		@TICTOC1 TIC-02	SOLID	N/A	8.17E3		ug/g
96000092	U-105 (R)	8	SAMPLE	S96T000990	0		@TICTOC1 TOC-02	SOLID	N/A	9.98E3		ug/g
96000092	U-105 (R)	9	DUP	S96T000990	0		@TICTOC1 TIC-02	SOLID	8.17E3	8.09E3	N/A	ug/g
96000092	U-105 (R)	9	DUP	S96T000990	0		@TICTOC1 TOC-02	SOLID	9.98E3	9.73E3	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# 6617

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

Final page for worklist # 6617

RJ McCown 6/3/96
Analyst Signature Date

Analyst Signature Date

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.

WORKBOOK PAGE: SAM10

TIC/TOC : LA-342-100 (C-0) LIQUIDS

			TIC	TOC
Type	Sample Size in mL	(SS)	0.1000	0.1000
SAMPLE	Dilution Factor	(DF)	1	1
Work	µg of Carbon in Sample	(C1)	693.5	515.2
6617	µg of Carbon from Baseline	(C2)	7.1	23.2
Test Code				
@TICTOC1				

Matrix: LIQUID

Batch Number: 96005740

Rerun: 0

Sample Prep: N/A

Sample: S96T002142

Instrument Code: CARB2

Prepared By: RTS

Chemistry: RWS

Analyst: PJM

Date Complete: 06/04/96

Analysis Date: 06/03/96

Analysis Time:

Sample Point: U-107

µg of Carbon/mL = (C1-C2) * DF / SS
µg of Carbon/mL for TIC = 5 if C1 < C2
µg of Carbon/mL for TOC = 40 if C1 < C2

	TIC	TOC
Method Detection Limit in µg/mL	5	40
µg of Carbon/mL	6.86E+03	4.92E+03

Data Entered By:	RTS	Date:	06/04/96
Signature of Chemist:	RW Schroeder	Date:	6/5/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: DUP11

TIC/TOC : LA-342-100 (C-0) LIQUIDS

			TIC	TOC
Type	Sample Size in mL	(SS)	0.1000	0.1000
DUP	Dilution Factor	(DF)	1	1
Worksheet	µg of Carbon in Sample	(C1)	690.2	484.2
6617	µg of Carbon from Baseline	(C2)	7.1	23.2
Instrument	Known µg of C from Original Sample		6.86E+3	4.92E+3
@TICTOC1				

Matrix
LIQUID

Batch Number
96005740

Rerun
0

Sample Prep
N/A

Sample #
S96T002142

Instrument Code
CARB2

Prepared By
RTS

Chemist
RWS

Analyst
PJM

Date Complete
06/04/96

Analysis Date
06/03/96

Analysis Time

Sample Point
U-107

µg of Carbon/mL = (C1-C2) * DF / SS
µg of Carbon/mL for TIC = 5 if C1 < C2
µg of Carbon/mL for TOC = 40 if C1 < C2

RPD (of Sample and Dup Results) = | Difference | / Average

	TIC	TOC
Method Detection Limit in µg/mL	5	40
µg of Carbon/mL	6.83E+03	4.61E+03
RPD (of Sam and Dup Results)	0.4%	6.5%

Data Entered By:	RTS	Date:	06/04/96
Signature of Chemist:	RW Schwartz	Date:	6/5/96

SAMPLE.WB1 REV 1.0 342100ML

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

Sample: BASE Date: 06/02/96 Time: 19:19:51

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

Analyst : PJ MCCOWN
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	1.51	1.00	50.00
4	2.01	1.50	33.33
5	2.51	1.90	21.05
6	3.01	2.40	20.83
7	3.51	2.80	14.29
8	4.00	3.20	12.50
9	4.50	3.40	5.88
10	5.00	3.60	5.56
11	5.50	3.90	7.69
12	6.00	4.30	9.30
13	6.50	4.50	4.44
14	7.00	4.90	8.16
15	7.50	5.10	3.92
16	8.00	5.50	7.27
17	8.50	5.70	3.51
18	9.00	6.10	6.56
19	9.50	6.40	4.69
20	10.00	6.60	3.03
21	10.50	6.80	2.94
22	11.00	7.10	4.23

BLANK VALUE = 7.1 micrograms carbon
BLANK FACTOR = 7.1 / 10.99988 = +6.5E-01 ug/min Carbon

Sample Run By: PJ McCown 6/3/96
PJ MCCOWN 00000

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

Sample: BASE Date: 06/02/96 Time: 19:33:42

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

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading ====	Analysis Time ====	Coulometer ====	% Difference ==
1	0.51	0.20	0.00
2	1.00	0.80	75.00
3	1.50	2.40	66.67
4	2.00	5.70	57.89
5	2.50	10.10	43.56
6	3.00	13.50	25.19
7	3.50	15.70	14.01
8	4.00	16.80	6.55
9	4.50	17.50	4.00
10	5.00	18.10	3.31
11	5.50	18.50	2.16
12	6.00	18.80	1.60
13	6.50	19.30	2.59
14	7.00	19.90	3.02
15	7.50	20.50	2.93
16	8.00	21.00	2.38
17	8.50	21.40	1.87
18	9.00	21.80	1.83
19	9.50	22.20	1.80
20	10.00	22.70	2.20
21	10.50	22.90	0.87
22	11.00	23.20	1.29

BLANK VALUE = 23.2 micrograms carbon
BLANK FACTOR = 23.2 / 10.99792 = +2.11E+00 ug/min Carbon

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

Sample Run By: PJ McCown 6/3/96
PJ MCCOWN 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 22N12B STD Date: 06/03/96 Time: 01:21:31

Sample Size = 1000 uL
Dil Factor = 1
Blank ID # =
Blank Value = .65 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.40	0.00
2	1.01	5.10	92.16
3	1.51	76.10	93.30
4	2.00	224.80	66.15
5	2.50	371.30	39.46
6	3.00	475.50	21.91
7	3.50	541.30	12.16
8	4.00	578.60	6.45
9	4.50	595.90	2.90
10	5.00	602.10	1.03
11	5.50	604.60	0.41
12	6.00	605.70	0.18
13	6.50	606.40	0.12
14	7.00	606.80	0.07
15	7.50	607.00	0.03
16	8.00	607.40	0.07
17	8.50	607.60	0.03
18	9.00	607.90	0.05
19	9.50	608.10	0.03
20	10.00	608.40	0.05
21	10.50	608.50	0.02
22	11.00	608.80	0.05

USER INPUT BLANK VALUE
BLANK VALUE = 7.148651 micrograms carbon
BLANK FACTOR = 7.148651 / 10.99792 = +6.5E-01 ug/min Carbon

SAMPLE RESULTS:
(608.8 - 7.14989)(1)/(1000) = +6.017E-01 g/L Carbon
(608.8 - 7.14989)(1)/(1000)(12) = +5.014E-02 Molar Carbon

Sample Run By: PJ McCown 6/3/96
PJ MCCOWN 00000

1.0 mL

$\frac{601.7}{602} = 99.95\%$ 817

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 24N12A STD Date: 06/03/96 Time: 01:35:23

Sample Size = 200 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.11 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	1.20	83.33
3	1.50	10.90	88.99
4	2.00	76.20	85.70
5	2.50	235.50	67.64
6	3.00	408.40	42.34
7	3.50	507.10	19.46
8	4.00	555.80	8.76
9	4.50	575.60	3.44
10	5.00	581.00	0.93
11	5.50	583.10	0.36
12	6.00	583.90	0.14
13	6.50	584.50	0.10
14	7.00	585.10	0.10
15	7.50	585.50	0.07
16	8.00	586.20	0.12
17	8.50	586.50	0.05
18	9.00	587.00	0.09
19	9.50	587.40	0.07
20	10.00	587.60	0.03
21	10.50	588.00	0.07
22	11.00	588.30	0.05

USER INPUT BLANK VALUE
BLANK VALUE = 23.20562 micrograms carbon
BLANK FACTOR = 23.20562 / 10.99792 = +2.1E+00 ug/min Carbon

SAMPLE RESULTS:
(588.3 - 23.21526)(1)/(200) = +2.825E+00 g/L Carbon
(588.3 - 23.21526)(1)/(200)(12) = +2.355E-01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: PJ McCown 6/3/96
PJ MCCOWN 00000

.200 mL

$\frac{8.2825}{3.00E3} = 94.17\%$

WHC-SD-WM-DP-184, REV. 1

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 06/03/96 Time: 01:48:44

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .65 ug/minute C

Analyst : PJ MCCOWN
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	1.51	1.70	17.65
4	2.01	2.20	22.73
5	2.50	2.50	12.00
6	3.00	2.80	10.71
7	3.50	3.10	9.68
8	4.00	3.30	6.06
9	4.50	3.40	2.94
10	5.00	3.60	5.56
11	5.50	3.80	5.26
12	6.00	4.00	5.00
13	6.50	4.20	4.76
14	7.00	4.40	4.55
15	7.50	4.50	2.22
16	8.00	4.70	4.26
17	8.50	4.80	2.08
18	9.00	5.00	4.00
19	9.50	5.20	3.85
20	10.00	5.30	1.89
21	10.50	5.50	3.64
22	11.00	5.70	3.51

USER INPUT BLANK VALUE
BLANK VALUE = 7.148651 micrograms carbon
BLANK FACTOR = 7.148651 / 10.99792 = +6.5E-01 ug/min Carbon

SAMPLE RESULTS:
(5.7 - 7.151631)(1)/(1) = < 5.00 E-3 g/L Carbon
(5.7 - 7.151631)(1)/(1)(12) = < 4.17 E-4 Molar Carbon

Sample Run By: PJ McCown 6/3/96
PJ MCCOWN 00000

| 5.70 - 7.10 | = 1.49

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 06/03/96 Time: 02:02:52

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.11 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.00	0.00
2	1.01	0.90	100.00
3	1.51	3.70	75.68
4	2.00	7.90	53.16
5	2.50	11.50	31.30
6	3.00	13.40	14.18
7	3.50	14.40	6.94
8	4.00	15.00	4.00
9	4.50	15.30	1.96
10	5.00	15.60	1.92
11	5.50	16.00	2.50
12	6.00	16.40	2.44
13	6.50	16.70	1.80
14	7.00	17.00	1.76
15	7.50	17.30	1.73
16	8.00	17.60	1.70
17	8.50	17.90	1.68
18	9.00	18.20	1.65
19	9.50	18.40	1.09
20	10.00	18.60	1.08
21	10.50	18.90	1.59
22	11.00	19.00	0.53

USER INPUT BLANK VALUE
BLANK VALUE = 23.20562 micrograms carbon
BLANK FACTOR = 23.20562 / 10.99792 = +2.1E+00 ug/min Carbon

SAMPLE RESULTS:
(19 - 23.20966)(1)/(1) = < 5.00 E-3 g/L Carbon
(19 - 23.20966)(1)/(1)(12) = < 4.17 E-4 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: PJ McCown 6/3/96
PJ MCCOWN 00000

|19.00 - 23.20| = 4.2

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T002142 Date: 06/02/96 Time: 23:24:04

Sample Size = 1 uL, 100ml
Dil Factor = 1
Blank ID # =
Blank Value = .65 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.70	0.00
2	1.01	2.20	68.18
3	1.51	77.80	97.17
4	2.00	268.30	71.00
5	2.50	442.70	39.39
6	3.00	553.50	20.02
7	3.50	616.50	10.22
8	4.00	649.30	5.05
9	4.50	664.10	2.23
10	5.00	670.40	0.94
11	5.50	674.30	0.58
12	6.00	677.10	0.41
13	6.50	679.80	0.40
14	7.00	682.30	0.37
15	7.50	684.30	0.29
16	8.00	686.10	0.26
17	8.50	687.50	0.20
18	9.00	689.00	0.22
19	9.50	690.30	0.19
20	10.00	691.40	0.16
21	10.50	692.50	0.16
22	11.00	693.50	0.14

USER INPUT BLANK VALUE
BLANK VALUE = 7.148651 micrograms carbon
BLANK FACTOR = 7.148651 / 10.99792 = +6.5E-01 ug/min Carbon

SAMPLE RESULTS:
(693.5 - 7.149286)(1)/(1) = +6.864E+02 g/L Carbon
(693.5 - 7.149286)(1)/(1)(12) = +5.720E+01 Molar Carbon

Sample Run By: PJ McCown 6/3/96
PJ MCCOWN 00000

.1476g
.100mL

686.4 / .100ml = 6.864E3

821

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T002142 Date: 06/02/96 Time: 23:37:01

Sample Size = 1 uL .100ml
Dil Factor = 1
Blank ID # =
Blank Value = 2.11 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.40	0.00
2	1.01	6.20	77.42
3	1.50	25.60	75.78
4	2.00	81.80	68.70
5	2.50	183.00	55.30
6	3.00	302.70	39.54
7	3.50	388.80	22.15
8	4.00	442.80	12.20
9	4.50	473.10	6.40
10	5.00	487.90	3.03
11	5.50	495.30	1.49
12	6.00	500.00	0.94
13	6.50	503.00	0.60
14	7.00	505.40	0.47
15	7.50	507.10	0.34
16	8.00	508.80	0.33
17	8.50	510.20	0.27
18	9.00	511.40	0.23
19	9.50	512.60	0.23
20	10.00	513.50	0.18
21	10.50	514.40	0.17
22	11.00	515.20	0.16

USER INPUT BLANK VALUE
BLANK VALUE = 23.20562 micrograms carbon
BLANK FACTOR = 23.20562 / 10.99792 = +2.1E+00 ug/min Carbon

SAMPLE RESULTS:
(515.2 - 23.21129)(1)/(1) = +4.920E+02 g/L Carbon
(515.2 - 23.21129)(1)/(1)(12) = +4.100E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: RJ McCown 6/3/96
PJ MCCOWN 00000

.1476g
.100ml
822

$\frac{492.0}{.100ml} = 4.920^{E3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T002142DUP Date: 06/02/96 Time: 23:51:47

Sample Size = 1 uL .100ml
Dil Factor = 1
Blank ID # =
Blank Value = .65 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.40	0.00
2	1.01	4.50	68.89
3	1.50	69.90	93.56
4	2.00	250.50	72.10
5	2.50	438.00	42.81
6	3.00	551.10	20.52
7	3.50	613.00	10.10
8	4.00	644.10	4.83
9	4.50	657.90	2.10
10	5.00	664.80	1.04
11	5.50	669.20	0.66
12	6.00	672.70	0.52
13	6.50	675.80	0.46
14	7.00	678.20	0.35
15	7.50	680.30	0.31
16	8.00	682.10	0.26
17	8.50	684.00	0.28
18	9.00	685.50	0.22
19	9.50	686.70	0.17
20	10.00	688.00	0.19
21	10.50	689.20	0.17
22	11.00	690.20	0.14

USER INPUT BLANK VALUE
BLANK VALUE = 7.148651 micrograms carbon
BLANK FACTOR = 7.148651 / 10.99792 = +6.5E-01 ug/min Carbon

SAMPLE RESULTS:
(690.2 - 7.149841)(1)/(1) = +6.831E+02 g/L Carbon
(690.2 - 7.149841)(1)/(1)(12) = +5.692E+01 Molar Carbon

Sample Run By: PJ McCown 6/3/96
PJ MCCOWN 00000

.1443g
.100ml

$\frac{683.1}{.100ml} = 6.831^{E3}$

823

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T002142DUP Date: 06/03/96 Time: 01:05:02

Sample Size = 1 uL .100ml
Dil Factor = 1
Blank ID # =
Blank Value = 2.11 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.60	0.00
2	1.01	6.10	73.77
3	1.51	35.70	82.91
4	2.00	125.30	71.51
5	2.51	270.60	53.70
6	3.00	372.00	27.26
7	3.50	425.30	12.53
8	4.00	450.70	5.64
9	4.50	461.80	2.40
10	5.00	467.30	1.18
11	5.50	470.90	0.76
12	6.00	473.50	0.55
13	%-1433.50	475.50	0.42
14	%-1433.00	477.10	0.34
15	%-1432.50	478.50	0.29
16	%-1432.00	479.60	0.23
17	%-1431.50	480.70	0.23
18	%-1431.00	481.40	0.15
19	%-1430.50	482.20	0.17
20	%-1430.00	483.00	0.17
21	%-1429.50	483.50	0.10
22	%-1429.00	484.20	0.14

USER INPUT BLANK VALUE
BLANK VALUE = 23.20562 micrograms carbon
BLANK FACTOR = 23.20562 / 10.99792 = +2.1E+00 ug/min Carbon

SAMPLE RESULTS:
JLS 6/3/96
(484.2 --3015.187)(1)/(1) = ~~+3.499E+03~~ g/L Carbon
(484.2 --3015.187)(1)/(1)(12) = +2.916E+02 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

484.2 - 23.211 = 460.99

Sample Run By: PJ McCown 6/3/96
PJ MCCOWN 00000

.1443g
.100ml

460.99 / .100ml = 4.610E3

~~349.9~~ JLS 6/3/96
~~100ml = 3.499E3~~ JLS

LABCORE Data Entry Template for Worklist# 6621

Analyst: JLS2 **Instrument:** CARB2 _____ **Book #** 22N12B TIC 24N12A TOC

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

Worklist Comment: U-107FOR TIC/TOC ACID PERSULFATE RTS!

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				@TICTOC1 TIC-02	SOLID			N/A	ug/g
		1	BLNK				@TICTOC1 TOC-02	SOLID			N/A	ug/g
		2	STD				@TICTOC1 TIC-02	SOLID			N/A	ug/g
		2	STD				@TICTOC1 TOC-02	SOLID			N/A	ug/g
96000126	U-107	3	SAMPLE	S96T001070	0		@TICTOC1 TIC-02	SOLID	N/A			ug/g
96000126	U-107	3	SAMPLE	S96T001070	0		@TICTOC1 TOC-02	SOLID	N/A			ug/g
96000126	U-107	4	DUP	S96T001070	0		@TICTOC1 TIC-02	SOLID			N/A	ug/g
96000126	U-107	4	DUP	S96T001070	0		@TICTOC1 TOC-02	SOLID			N/A	ug/g
96000126	U-107	5	SPK	S96T001070	0		@TICTOC1 TIC-02	SOLID			N/A	ug/g
96000126	U-107	5	SPK	S96T001070	0		@TICTOC1 TOC-02	SOLID			N/A	ug/g
96000126	U-107	6	SAMPLE	S96T001059	0		@TICTOC1 TIC-02	SOLID	N/A			ug/g
96000126	U-107	6	SAMPLE	S96T001059	0		@TICTOC1 TOC-02	SOLID	N/A			ug/g
96000126	U-107	7	DUP	S96T001059	0		@TICTOC1 TIC-02	SOLID			N/A	ug/g
96000126	U-107	7	DUP	S96T001059	0		@TICTOC1 TOC-02	SOLID			N/A	ug/g
96000126	U-107	8	SAMPLE	S96T001128	0		@TICTOC1 TIC-02	SOLID	N/A			ug/g
96000126	U-107	8	SAMPLE	S96T001128	0		@TICTOC1 TOC-02	SOLID	N/A			ug/g
96000126	U-107	9	DUP	S96T001128	0		@TICTOC1 TIC-02	SOLID			N/A	ug/g
96000126	U-107	9	DUP	S96T001128	0		@TICTOC1 TOC-02	SOLID			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# 6621

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

Final page for worklist # 6621

Jacque Steele 6/5/96

Analyst Signature **Date**

Analyst Signature **Date**

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 Completed Worklist Report for Worklist# 6621

Analyst: jls2 **Instrument:** CARB2 **Book#** _____

Method: _____ Rev/Mod _____

Worklist Comment: U-107FOR TIC/TOC ACID PERSULFATE RTS!

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
1	BLNK		0	@TICTOC1	TIC-02	SOLID	1	8.00E-1	0.800	ug/g
1	BLNK		0	@TICTOC1	TOC-02	SOLID	1	3.70E+0	3.700	ug/g
2	STD		0	@TICTOC1	TIC-02	SOLID	6.02E+02	6.01E+2	99.834	% Recovery
2	STD		0	@TICTOC1	TOC-02	SOLID	3.00E+03	2.64E+3	88.000	% Recovery
3	SAMPLE	S96T001070	0	@TICTOC1	TIC-02	SOLID	N/A	8.62E+02	5.000	ug/g
3	SAMPLE	S96T001070	0	@TICTOC1	TOC-02	SOLID	N/A	1.21E+03	40.000	ug/g
4	DUP	S96T001070	0	@TICTOC1	TIC-02	SOLID	8.62E+2	8.36E+2	3.062	RPD
4	DUP	S96T001070	0	@TICTOC1	TOC-02	SOLID	1.21E+3	1.24E+3	2.449	RPD
5	SPK	S96T001070	0	@TICTOC1	TIC-02	SOLID	1.00E+02	1.04E+02	104.000	% Recovery
5	SPK	S96T001070	0	@TICTOC1	TOC-02	SOLID	1.00E+02	1.05E+02	105.000	% Recovery
6	SAMPLE	S96T001059	0	@TICTOC1	TIC-02	SOLID	N/A	1.60E+03	5.000	ug/g
6	SAMPLE	S96T001059	0	@TICTOC1	TOC-02	SOLID	N/A	1.93E+03	40.000	ug/g
7	DUP	S96T001059	0	@TICTOC1	TIC-02	SOLID	1.60E+3	1.51E+3	5.788	RPD
7	DUP	S96T001059	0	@TICTOC1	TOC-02	SOLID	1.93E+3	1.87E+3	3.158	RPD
8	SAMPLE	S96T001128	0	@TICTOC1	TIC-02	SOLID	N/A	4.68E+03	5.000	ug/g
8	SAMPLE	S96T001128	0	@TICTOC1	TOC-02	SOLID	N/A	3.48E+03	40.000	ug/g
9	DUP	S96T001128	0	@TICTOC1	TIC-02	SOLID	4.68E+3	4.33E+3	7.769	RPD
9	DUP	S96T001128	0	@TICTOC1	TOC-02	SOLID	3.48E+3	2.90E+3	18.182	RPD

Final page for worklist# 6621

[signature] 6-6-96
Analyst Signature **Date**

Analyst Signature **Date**

[signature] 6/7/96
Reviewer Signature **Date**

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

827

WORKBOOK PAGE: BLANK1

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
	Sample Size in g	(SS)	0.0000	0.0000
BLNK	Dilution Factor	(DF)	1	1
	µg of Carbon in Sample	(C1)	7.5	19.6
6621	µg of Carbon from Baseline	(C2)	6.7	23.3

@TICTOC1

SOLID

96002280

µg of Carbon = |C1-C2|

0

N/A

BLNK

CARB2

RTS

Chemist

RWS

Analyst

JLS2

06/06/96

Analyzed

06/05/96

		TIC	TOC
	Method Detection Limit in ug/g	5	40
	µg of Carbon	8.00E-01	3.70E+00

U-107

Data Entered By:	RTS	Date:	06/06/96
Signature of Chemist:	RW Schroeder	Date:	6/7/96

BLANK.WB1 REV 1.0 342100ML

WORKBOOK PAGE: STD2

TIC/TOC : LA-342-100 (C-0) LIQUIDS

			TIC	TOC
	Sample Size in mL	(SS)	1.0000	0.2000
STD	Dilution Factor	(DF)	1	1
	Final Coulometer Reading in µg	(C1)	607.2	551.4
6621	µg of Carbon from Baseline	(C2)	6.7	23.3
	Standard Book Number		22N12B	24N12A
@TICTOC1	Standard Value (µg/ml)		602	3000

LIQUID

96002280

0

N/A

STD

CARB2

RTS

RWS

JLS2

06/06/96

06/05/96

QC Actual in µg/mL = Standard Value (µg/mL)

QC Found in µg/mL = (C1 - C2) * DF / SS

QC Found in µg/mL for TIC = 5 if C1 < C2

QC Found in µg/mL for TOC = 40 if C1 < C2

% Recovery = QC Found / QC Actual * 100

		TIC	TOC
	Method Detection Limit in µg/mL	5	40
	QC Actual in µg/mL	6.02E+02	3.00E+03
	QC Found in µg/mL	6.01E+02	2.64E+03
U-107	Percent Standard Recovery	99.8	88.0

Data Entered By:	RTS	Date:	06/06/96
Signature of Chemist:	RW Schroeder	Date:	6/7/96

STANDARD.WB1 REV 1.0 342100ML

WORKBOOK PAGE: SAM3

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
[illegible]	Sample Size in g	(SS)	0.2600	0.2600
SAMPLE	Dilution Factor	(DF)	1	1
[illegible]	µg of Carbon in Sample	(C1)	230.7	338
6621	µg of Carbon from Baseline	(C2)	6.7	23.3
[illegible]				
@TICTOC1				

[illegible]	
SOLID	
[illegible]	
96002280	
[illegible]	µg of Carbon/g = (C1-C2) * DF / SS
0	µg of Carbon/g for TIC = 5 if C1 < C2
[illegible]	µg of Carbon/g for TOC = 40 if C1 < C2
N/A	
[illegible]	
S96T001070	
[illegible]	
CARB2	
[illegible]	
RTS	
[illegible]	
RWS	
[illegible]	
JLS2	
[illegible]	
06/06/96	
[illegible]	
06/05/96	

		TIC	TOC
[illegible]	Method Detection Limit in ug/g	5	40
[illegible]	µg of Carbon/g	8.62E+02	1.21E+03
U-107			

Data Entered By:	RTS	Date:	06/06/96
Signature of Chemist:	Rui Schroeder	Date:	6/7/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: DUP4

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
Type	Sample Size in g	(SS)	0.2535	0.2535
DUP	Dilution Factor	(DF)	1	1
Work Set	µg of Carbon in Sample	(C1)	218.7	337.2
6621	µg of Carbon from Baseline	(C2)	6.7	23.3
Original Sample	Known µg of C from Original Sample		8.62E+2	1.21E+3
@TICTOC1				

Matrix: SOLID

Batch Number: 96002280

Rerun: 0

Sample Type: N/A

Sample: S96T001070

Instrument Code: CARB2

Preparer: RTS

Chemist: RWS

Analyst: JLS2

Date Completed: 06/06/96

Analysis Date: 06/05/96

µg of Carbon/g = (C1-C2) * DF / SS
µg of Carbon/g for TIC = 5 if C1 < C2
µg of Carbon/g for TOC = 40 if C1 < C2

RPD (of Sample and Dup Results) = | Difference | / Average

		TIC	TOC
Analysis Time	Method Detection Limit in ug/g	5	40
Sample Point	µg of Carbon/g	8.36E+02	1.24E+03
U-107	RPD (of Sam and Dup Results)	~~3.0%~~ 3.1 RWS 6/7/96	~~2.3%~~ 2.4 RWS 6/7/96

Data Entered By:	RTS	Date:	06/06/96
Signature of Chemist:	RW Schroeder	Date:	6/7/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: SPIKE5

TIC/TOC : LA-342-100 (C-0) SOLIDS

	Sample Vial Data		TIC	TOC
SPK	Sample Size in g	(SS)	0.2600	0.2600
[illegible]	Final Coulometer Reading in µg	(C1)	230.7	338
6621	Spiked Vial Data			
[illegible]	Sample Size in g	(SPK SS)	0.2485	0.2485
@TICTOC1	Amount of Spike Std. in mL	(SPK VOL)	0.500	0.100
[illegible]	Final Coulometer Reading in µg	(C3)	540.8	654.1
SOLID	Spike Book Number		22N12B	24N12A
Batch Number	Spike Standard Value in µg/ml		602	3000
96002280	Spike Concentration in µg	(SPK CONC)	301	300

[illegible]
0

Sample [illegible]
N/A

Sample [illegible]
S96T001070

Instrument [illegible]
CARB2

Prepared [illegible]
RTS

Chemist
RWS

Analyst
JLS2

Date Completed
06/06/96

Analysis Date
06/05/96

Analysis Time

Sample Point
U-107

Spike Concentration in µg = (Spike Std. Value in µg/mL)*(SPK VOL)

Percent Spike Recovery = (C3) / [(C1/SS * SPK SS) + (SPK CONC)] * 100

QC Actual in µg/mL = Spike Value (µg/mL)
QC Found in µg/mL = (Percent Spike Recovery)*(QC Actual) / 100

	TIC	TOC
QC Actual in µg/mL	6.02E+02	3.00E+03
QC Found in µg/mL	6.24E+02	3.15E+03
Percent Spike Recovery	103.7	105.0

RW Schroeder 6/7/96

WORKBOOK PAGE: SAM6

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
[illegible]	Sample Size in g	(SS)	0.1651	0.1651
SAMPLE	Dilution Factor	(DF)	1	1
[illegible]	µg of Carbon in Sample	(C1)	271	342.3
6621	µg of Carbon from Baseline	(C2)	6.7	23.3
[illegible]				
@TICTOC1				

[illegible]	
SOLID	
[illegible]	
96002280	
[illegible]	µg of Carbon/g = (C1-C2) * DF / SS
0	µg of Carbon/g for TIC = 5 if C1 < C2
[illegible]	µg of Carbon/g for TOC = 40 if C1 < C2
N/A	
[illegible]	
S96T001059	
[illegible]	
CARB2	
[illegible]	
RTS	
[illegible]	
RWS	
[illegible]	
JLS2	
[illegible]	
06/06/96	
[illegible]	
06/05/96	

		TIC	TOC
[illegible]	Method Detection Limit in ug/g	5	40
[illegible]	µg of Carbon/g	1.60E+03	1.93E+03
U-107			

Data Entered By:	RTS	Date:	06/06/96
Signature of Chemist:	RW Schroeder	Date:	6/7/96

SAMPLE.WB1 REV 1.0 342100ML

833

WORKBOOK PAGE: DUP7

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
[illegible]	Sample Size in g	(SS)	0.1421	0.1421
DUP	Dilution Factor	(DF)	1	1
[illegible]	µg of Carbon in Sample	(C1)	221	289.4
6621	µg of Carbon from Baseline	(C2)	6.7	23.3
[illegible]	Known µg of C from Original Sample		1.60E+3	1.93E+3
@TICTOC1				

[illegible]
SOLID

[illegible]
96002280

[illegible]
0

[illegible]
N/A

[illegible]
S96T001059

[illegible]
CARB2

[illegible]
RTS

[illegible]
RWS

[illegible]
JLS2

[illegible]
06/06/96

[illegible]
06/05/96

[illegible]

µg of Carbon/g = (C1-C2) * DF / SS
µg of Carbon/g for TIC = 5 if C1 < C2
µg of Carbon/g for TOC = 40 if C1 < C2

RPD (of Sample and Dup Results) = | Difference | / Average

		TIC	TOC
[illegible]	Method Detection Limit in ug/g	5	40
[illegible]	µg of Carbon/g	1.51E+03	1.87E+03
U-107	RPD (of Sam and Dup Results)	~~5.9%~~ 5.8 RWS 6/7/96	3.0% 3.2 RWS 6/7/96

Data Entered By:	RTS	Date:	06/06/96
Signature of Chemist:	RW Schroeder	Date:	6/7/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: SAM8

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
Type	Sample Size in g	(SS)	0.1571	0.1571
SAMPLE	Dilution Factor	(DF)	1	1
Worksheet	µg of Carbon in Sample	(C1)	742.7	570
6621	µg of Carbon from Baseline	(C2)	6.7	23.3
Instrument				
@TICTOC1				

Matrix	SOLID
Batch Number	96002280
Run	0
Sample Weight	N/A
Sample	S96T001128
Instrument Standard	CARB2
Prepared By	RTS
Chemist	RWS
Analyst	JLS2
Date Complete	06/06/96
Analysis Date	06/05/96
Analysis Time	
Sample Point	U-107

µg of Carbon/g = (C1-C2) * DF / SS
µg of Carbon/g for TIC = 5 if C1 < C2
µg of Carbon/g for TOC = 40 if C1 < C2

	TIC	TOC
Method Detection Limit in ug/g	5	40
µg of Carbon/g	4.68E+03	3.48E+03

Data Entered By:	RTS	Date:	06/06/96
Signature of Chemist:	RW Schroeder	Date:	6/7/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: DUP9

TIC/TOC : LA-342-100 (C-0) SOLIDS

			TIC	TOC
	Sample Size in g	(SS)	0.1765	0.1765
DUP	Dilution Factor	(DF)	1	1
	µg of Carbon in Sample	(C1)	771	534.8
6621	µg of Carbon from Baseline	(C2)	6.7	23.3
	Known µg of C from Original Sample		4.68E+3	3.48E+3
@TICTOC1				

Type
SOLID

Sample Number
96002280

Ratio
0

Sample Prep
N/A

Sample
S96T001128

Instrument Code
CARB2

Prepared By
RTS

Chemist
RWS

Analyst
JLS2

Date Completed
06/06/96

Analysis Date
06/05/96

µg of Carbon/g = (C1-C2) * DF / SS
µg of Carbon/g for TIC = 5 if C1 < C2
µg of Carbon/g for TOC = 40 if C1 < C2

RPD (of Sample and Dup Results) = | Difference | / Average

		TIC	TOC
Analysis Time	Method Detection Limit in ug/g	5	40
Sample Point	µg of Carbon/g	4.33E+03	2.90E+03
U-107	RPD (of Sam and Dup Results)	7.8%	18.2%

Data Entered By:	RTS	Date:	06/06/96
Signature of Chemist:	Rui Schroeder	Date:	6/7/96

SAMPLE.WB1 REV 1.0 342100ML

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

Sample: BASELINE Date: 06/05/96 Time: 09:12:20

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	0.70	57.14
3	1.51	1.20	41.67
4	2.00	1.60	25.00
5	2.50	1.90	15.79
6	3.00	2.20	13.64
7	3.50	2.40	8.33
8	4.00	2.70	11.11
9	4.50	2.90	6.90
10	5.00	3.20	9.37
11	5.50	3.40	5.88
12	6.00	3.60	5.56
13	6.50	4.30	16.28
14	7.00	4.70	8.51
15	7.50	5.10	7.84
16	8.00	5.30	3.77
17	8.50	5.50	3.64
18	9.00	5.80	5.17
19	9.50	6.00	3.33
20	10.00	6.30	4.76
21	10.50	6.50	3.08
22	11.00	6.70	2.99

BLANK VALUE = 6.7 micrograms carbon
BLANK FACTOR = 6.7 / 11.00153 = +6.1E-01 ug/min Carbon

Sample Run By: Jackie Steele 6/5/96
JL STEELE 00000

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

Sample: BASELINE Date: 06/05/96 Time: 09:25:17

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	1.60	87.50
3	1.50	5.00	68.00
4	2.00	9.80	48.98
5	2.50	14.30	31.47
6	3.01	16.80	14.88
7	3.51	18.10	7.18
8	4.00	18.80	3.72
9	4.50	19.30	2.59
10	5.00	19.80	2.53
11	5.50	20.20	1.98
12	6.00	20.60	1.94
13	6.50	20.90	1.44
14	7.00	21.20	1.42
15	7.50	21.50	1.40
16	8.00	21.70	0.92
17	8.50	22.00	1.36
18	9.00	22.30	1.35
19	9.50	22.50	0.89
20	10.00	22.80	1.32
21	10.50	23.10	1.30
22	11.00	23.30	0.86

BLANK VALUE = 23.3 micrograms carbon
BLANK FACTOR = 23.3 / 10.99878 = +2.12E+00 ug/min Carbon

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

Sample Run By: Jacque Steele 6/5/96
JL STEELE 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 22N12B Date: 06/05/96 Time: 09:38:14

Sample Size = 1 uL 1ml
Dil Factor = 1
Blank ID # =
Blank Value = .61 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	28.60	98.60
3	1.51	169.60	83.14
4	2.00	330.80	48.73
5	2.50	450.20	26.52
6	3.00	528.50	14.82
7	3.50	570.70	7.39
8	4.00	590.60	3.37
9	4.50	598.70	1.35
10	5.00	602.10	0.56
11	5.50	603.50	0.23
12	6.00	604.20	0.12
13	6.50	604.70	0.08
14	7.00	605.10	0.07
15	7.50	605.40	0.05
16	8.00	605.70	0.05
17	8.50	606.00	0.05
18	9.00	606.20	0.03
19	9.50	606.50	0.05
20	10.00	606.70	0.03
21	10.50	606.90	0.03
22	11.00	607.20	0.05

USER INPUT BLANK VALUE
BLANK VALUE = 6.709256 micrograms carbon
BLANK FACTOR = 6.709256 / 10.99878 = +6.1E-01 ug/min Carbon

SAMPLE RESULTS:
(607.2 - 6.709293)(1)/(1) = +6.005E+02 g/L Carbon
(607.2 - 6.709293)(1)/(1)(12) = +5.004E+01 Molar Carbon

Sample Run By: Jacque Steele 6/5/96
JL STEELE 00000

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 24N12A Date: 06/05/96 Time: 09:50:22

Sample Size = 1 uL .200ml
Dil Factor = 1
Blank ID # =
Blank Value = 2.12 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	15.10	97.35
3	1.51	102.80	85.31
4	2.00	295.50	65.21
5	2.50	444.70	33.55
6	3.00	509.90	12.79
7	3.50	534.00	4.51
8	4.00	541.80	1.44
9	4.50	544.60	0.51
10	5.00	545.90	0.24
11	5.50	546.80	0.16
12	6.00	547.50	0.13
13	6.50	548.10	0.11
14	7.00	548.50	0.07
15	7.50	549.00	0.09
16	8.00	549.40	0.07
17	8.50	549.70	0.05
18	9.00	550.10	0.07
19	9.50	550.40	0.05
20	10.00	550.80	0.07
21	10.50	551.00	0.04
22	11.00	551.40	0.07

USER INPUT BLANK VALUE
BLANK VALUE = 23.31741 micrograms carbon
BLANK FACTOR = 23.31741 / 10.99878 = +2.1E+00 ug/min Carbon

SAMPLE RESULTS:
(551.4 - 23.31767)(1)/(1) = +5.281E+02 g/L Carbon
(551.4 - 23.31767)(1)/(1)(12) = +4.401E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 6/5/96
JL STEELE 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 06/05/96 Time: 10:02:17

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .61 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	1.51	2.80	28.57
4	2.01	3.40	17.65
5	2.51	3.70	8.11
6	3.00	4.00	7.50
7	3.50	4.30	6.98
8	4.00	4.50	4.44
9	4.50	4.80	6.25
10	5.00	5.00	4.00
11	5.50	5.20	3.85
12	6.00	5.40	3.70
13	6.50	5.60	3.57
14	7.00	5.80	3.45
15	7.50	6.00	3.33
16	8.00	6.20	3.23
17	8.50	6.40	3.13
18	9.00	6.60	3.03
19	9.50	6.80	2.94
20	10.00	7.00	2.86
21	10.50	7.20	2.78
22	11.00	7.50	4.00

USER INPUT BLANK VALUE
BLANK VALUE = 6.709256 micrograms carbon
BLANK FACTOR = 6.709256 / 10.99878 = +6.1E-01 ug/min Carbon

SAMPLE RESULTS:
(7.5 - 6.709888)(1)/(1) = +7.9E-01 g/L Carbon
(7.5 - 6.709888)(1)/(1)(12) = +6.6E-02 Molar Carbon

Sample Run By: Jackie Steele 6/5/96
JL STEELE 00000

|7.50-6.70| = .8

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 06/05/96 Time: 10:19:36

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.12 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	1.10	81.82
3	1.51	3.50	68.57
4	2.00	8.00	56.25
5	2.50	11.30	29.20
6	3.00	13.30	15.04
7	3.50	14.50	8.28
8	4.01	15.20	4.61
9	4.50	15.70	3.18
10	5.00	16.00	1.88
11	5.50	16.40	2.44
12	6.00	16.80	2.38
13	6.50	17.10	1.75
14	7.00	17.40	1.72
15	7.50	17.70	1.69
16	8.00	18.00	1.67
17	8.50	18.30	1.64
18	9.00	18.60	1.61
19	9.50	18.80	1.06
20	10.00	19.10	1.57
21	10.50	19.50	2.05
22	11.00	19.60	0.51

USER INPUT BLANK VALUE
BLANK VALUE = 23.31741 micrograms carbon
BLANK FACTOR = 23.31741 / 10.99878 = +2.1E+00 ug/min Carbon

SAMPLE RESULTS:
(19.6 - 23.31974)(1)/(1) = < 5.00 E-3 g/L Carbon
(19.6 - 23.31974)(1)/(1)(12) = < 4.17 E-4 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 6/5/96
JL STEELE 00000

|19.60-23.30|=3.7

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001070 Date: 06/05/96 Time: 10:35:16

Sample Size = 1 uL ,2600g
Dil Factor = 1
Blank ID # =
Blank Value = .61 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	11.20	98.21
3	1.51	66.60	83.18
4	2.00	124.20	46.38
5	2.50	167.00	25.63
6	3.00	191.10	12.61
7	3.50	204.20	6.42
8	4.00	210.50	2.99
9	4.50	214.20	1.73
10	5.00	216.70	1.15
11	5.50	218.70	0.91
12	6.00	220.50	0.82
13	6.50	222.00	0.68
14	7.00	223.40	0.63
15	7.50	224.50	0.49
16	8.00	225.60	0.49
17	8.50	226.60	0.44
18	9.00	227.60	0.44
19	9.50	228.40	0.35
20	10.00	229.20	0.35
21	10.50	229.90	0.30
22	11.00	230.70	0.35

USER INPUT BLANK VALUE
BLANK VALUE = 6.709256 micrograms carbon
BLANK FACTOR = 6.709256 / 10.99878 = +6.1E-01 ug/min Carbon

SAMPLE RESULTS:
(230.7 - 6.709888)(1)/(1) = +2.240E+02 g/L Carbon
(230.7 - 6.709888)(1)/(1)(12) = +1.867E+01 Molar Carbon

Sample Run By: Jacque Steele 6/5/96
JL STEELE 00000

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001070 Date: 06/05/96 Time: 10:48:02

Sample Size = 1 uL , 2600g
Dil Factor = 1
Blank ID # =
Blank Value = 2.12 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	4.00	75.00
3	1.50	32.00	87.50
4	2.00	93.50	65.78
5	2.50	166.80	43.94
6	3.00	221.40	24.66
7	3.50	253.10	12.52
8	4.00	269.40	6.05
9	4.50	279.50	3.61
10	5.00	286.00	2.27
11	5.50	299.40	4.48
12	6.00	305.80	2.09
13	6.50	311.10	1.70
14	7.00	315.90	1.52
15	7.50	319.50	1.13
16	8.00	322.90	1.05
17	8.50	326.10	0.98
18	9.00	328.90	0.85
19	9.50	331.60	0.81
20	10.00	333.90	0.69
21	10.50	336.10	0.65
22	11.00	338.00	0.56

USER INPUT BLANK VALUE
BLANK VALUE = 23.31741 micrograms carbon
BLANK FACTOR = 23.31741 / 10.99878 = +2.1E+00 ug/min Carbon

SAMPLE RESULTS:
(338 - 23.31935)(1)/(1) = +3.147E+02 g/L Carbon
(338 - 23.31935)(1)/(1)(12) = +2.622E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jacque Steele 6/5/96
JL STEELE 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 170 DUP Date: 06/05/96 Time: 11:00:06

Sample Size = 1 uL .2535g
Dil Factor = 1
Blank ID # =
Blank Value = .61 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	10.40	85.58
3	1.51	47.50	78.11
4	2.00	91.10	47.86
5	2.50	127.40	28.49
6	3.01	153.20	16.84
7	3.50	169.10	9.40
8	4.00	178.80	5.43
9	4.50	185.20	3.46
10	5.00	190.00	2.53
11	5.50	194.00	2.06
12	6.00	197.40	1.72
13	6.50	200.40	1.50
14	7.00	203.00	1.28
15	7.50	205.50	1.22
16	8.00	207.70	1.06
17	8.50	209.90	1.05
18	9.00	212.00	0.99
19	9.50	213.80	0.84
20	10.00	215.50	0.79
21	10.50	217.20	0.78
22	11.00	218.70	0.69

USER INPUT BLANK VALUE
BLANK VALUE = 6.709256 micrograms carbon
BLANK FACTOR = 6.709256 / 10.99878 = +6.1E-01 ug/min Carbon

SAMPLE RESULTS:
(218.7 - 6.709293)(1)/(1) = +2.120E+02 g/L Carbon
(218.7 - 6.709293)(1)/(1)(12) = +1.767E+01 Molar Carbon

Sample Run By: Jane Steele 6/5/96
JL STEELE 00000

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1070 DUP Date: 06/05/96 Time: 11:12:21

Sample Size = 1 uL ,2535g
Dil Factor = 1
Blank ID # =
Blank Value = 2.12 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	6.30	66.67
3	1.51	28.10	77.58
4	2.00	77.70	63.84
5	2.50	141.50	45.09
6	3.00	194.30	27.17
7	3.50	226.50	14.22
8	4.00	245.80	7.85
9	4.50	256.20	4.06
10	5.00	266.60	3.90
11	5.50	275.30	3.16
12	6.00	286.40	3.88
13	6.50	295.30	3.01
14	7.00	302.80	2.48
15	7.50	309.10	2.04
16	8.00	314.30	1.65
17	8.50	319.20	1.54
18	9.00	323.30	1.27
19	9.50	327.30	1.22
20	10.00	330.80	1.06
21	10.50	334.10	0.99
22	11.00	337.20	0.92

USER INPUT BLANK VALUE
BLANK VALUE = 23.31741 micrograms carbon
BLANK FACTOR = 23.31741 / 10.99878 = +2.1E+00 ug/min Carbon

SAMPLE RESULTS:
(337.2 - 23.31961)(1)/(1) = +3.139E+02 g/L Carbon
(337.2 - 23.31961)(1)/(1)(12) = +2.616E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 6/5/96
JL STEELE 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1070 SPIKE Date: 06/05/96 Time: 11:25:02

Sample Size = 1 uL, 2485g + 500ml 22N12B
Dil Factor = 1
Blank ID # =
Blank Value = .61 ug/minute C

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

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	2.20	0.00
2	1.01	25.30	91.30
3	1.50	135.60	81.34
4	2.00	267.00	49.21
5	2.50	368.80	27.60
6	3.00	432.80	14.79
7	3.50	473.20	8.54
8	4.00	495.30	4.46
9	4.50	506.10	2.13
10	5.00	512.10	1.17
11	5.50	516.20	0.79
12	6.00	519.70	0.67
13	6.50	523.00	0.63
14	7.00	525.70	0.51
15	7.50	527.90	0.42
16	8.00	530.30	0.45
17	8.50	532.60	0.43
18	9.00	534.60	0.37
19	9.50	536.30	0.32
20	10.00	538.00	0.32
21	10.50	539.40	0.26
22	11.00	540.80	0.26

USER INPUT BLANK VALUE
BLANK VALUE = 6.709256 micrograms carbon
BLANK FACTOR = 6.709256 / 10.99878 = +6.1E-01 ug/min Carbon

SAMPLE RESULTS:
(540.8 - 6.708697)(1)/(1) = +5.341E+02 g/L Carbon
(540.8 - 6.708697)(1)/(1)(12) = +4.451E+01 Molar Carbon

Sample Run By: Jeanie Steele 6/5/96
JL STEELE 00000

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1070 SPIKE Date: 06/05/96 Time: 11:38:35

Sample Size = 1 uL .2485g +
Dil Factor = 1
Blank ID # = .100ml 24N2A
Blank Value = 2.12 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	4.40	59.09
3	1.51	28.40	84.51
4	2.01	89.90	68.41
5	2.51	229.00	60.74
6	3.01	392.90	41.72
7	3.51	489.40	19.72
8	4.01	533.50	8.27
9	4.50	554.10	3.72
10	5.00	569.30	2.67
11	5.50	591.30	3.72
12	6.00	601.60	1.71
13	6.50	610.70	1.49
14	7.00	617.80	1.15
15	7.50	623.90	0.98
16	8.00	629.50	0.89
17	8.50	634.80	0.83
18	9.00	639.60	0.75
19	9.50	643.70	0.64
20	10.00	647.50	0.59
21	10.50	650.90	0.52
22	11.00	654.10	0.49

USER INPUT BLANK VALUE
BLANK VALUE = 23.31741 micrograms carbon
BLANK FACTOR = 23.31741 / 10.99878 = +2.1E+00 ug/min Carbon

SAMPLE RESULTS:
(654.1 - 23.32362)(1)/(1) = +6.308E+02 g/L Carbon
(654.1 - 23.32362)(1)/(1)(12) = +5.256E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 6/5/96
JL STEELE 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001059 Date: 06/05/96 Time: 11:51:24

Sample Size = 1 uL .1651g
Dil Factor = 1
Blank ID # =
Blank Value = .61 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	8.60	75.58
3	1.51	48.60	82.30
4	2.00	108.00	55.00
5	2.50	156.80	31.12
6	3.00	190.90	17.86
7	3.50	210.50	9.31
8	4.01	222.00	5.18
9	4.50	229.70	3.35
10	5.00	235.30	2.38
11	5.50	240.00	1.96
12	6.00	244.30	1.76
13	6.50	248.20	1.57
14	7.00	251.70	1.39
15	7.50	254.80	1.22
16	8.00	257.60	1.09
17	8.50	260.30	1.04
18	9.00	262.70	0.91
19	9.50	265.00	0.87
20	10.00	267.10	0.79
21	10.50	269.20	0.78
22	11.00	271.00	0.66

USER INPUT BLANK VALUE
BLANK VALUE = 6.709256 micrograms carbon
BLANK FACTOR = 6.709256 / 10.99878 = +6.1E-01 ug/min Carbon

SAMPLE RESULTS:
(271 - 6.709926)(1)/(1) = +2.643E+02 g/L Carbon
(271 - 6.709926)(1)/(1)(12) = +2.202E+01 Molar Carbon

Sample Run By: Jackie Steele 6/5/96
JL STEELE 00000

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001059 Date: 06/05/96 Time: 12:04:46

Sample Size = 1 uL .1651g
Dil Factor = 1
Blank ID # =
Blank Value = 2.12 ug/minute C

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

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	2.00	0.00
2	1.01	7.30	72.60
3	1.51	35.20	79.26
4	2.00	84.80	58.49
5	2.50	153.40	44.72
6	3.00	217.80	29.57
7	3.50	262.50	17.03
8	4.00	289.70	9.39
9	4.50	303.90	4.67
10	5.00	312.00	2.60
11	5.50	317.70	1.79
12	6.00	321.90	1.30
13	6.50	325.30	1.05
14	7.00	328.00	0.82
15	7.50	330.40	0.73
16	8.00	332.60	0.66
17	8.50	334.50	0.57
18	9.00	336.10	0.48
19	9.50	337.70	0.47
20	10.00	339.30	0.47
21	10.50	340.90	0.47
22	11.00	342.30	0.41

USER INPUT BLANK VALUE
BLANK VALUE = 23.31741 micrograms carbon
BLANK FACTOR = 23.31741 / 10.99878 = +2.1E+00 ug/min Carbon

SAMPLE RESULTS:
(342.3 - 23.31754)(1)/(1) = +3.190E+02 g/L Carbon
(342.3 - 23.31754)(1)/(1)(12) = +2.658E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 6/5/96
JL STEELE 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1059 DUP Date: 06/05/96 Time: 12:16:39

Sample Size = 1 uL .1421g
Dil Factor = 1
Blank ID # =
Blank Value = .61 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	5.90	79.66
3	1.51	37.60	84.31
4	2.00	86.30	56.43
5	2.50	128.20	32.68
6	3.00	154.50	17.02
7	3.50	170.50	9.38
8	4.00	180.10	5.33
9	4.50	186.20	3.28
10	5.00	191.20	2.62
11	5.50	195.10	2.00
12	6.00	198.60	1.76
13	6.50	201.70	1.54
14	7.00	204.70	1.47
15	7.50	207.30	1.25
16	8.00	209.70	1.14
17	8.50	212.10	1.13
18	9.00	214.10	0.93
19	9.50	216.00	0.88
20	10.00	217.80	0.83
21	10.50	219.40	0.73
22	11.00	221.00	0.72

USER INPUT BLANK VALUE
BLANK VALUE = 6.709256 micrograms carbon
BLANK FACTOR = 6.709256 / 10.99878 = +6.1E-01 ug/min Carbon

SAMPLE RESULTS:
(221 - 6.709888)(1)/(1) = +2.143E+02 g/L Carbon
(221 - 6.709888)(1)/(1)(12) = +1.786E+01 Molar Carbon

Sample Run By: Jackie Steele 6/5/96
JL STEELE 00000

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1059 DUP Date: 06/05/96 Time: 12:29:19

Sample Size = 1 uL , 1421g
Dil Factor = 1
Blank ID # =
Blank Value = 2.12 ug/minute C

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

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	2.00	0.00
2	1.01	11.60	82.76
3	1.50	46.80	75.21
4	2.00	101.30	53.80
5	2.51	168.20	39.77
6	3.01	215.20	21.84
7	3.50	242.90	11.40
8	4.00	256.40	5.27
9	4.50	263.30	2.62
10	5.00	268.00	1.75
11	5.50	271.40	1.25
12	6.00	274.20	1.02
13	6.50	276.60	0.87
14	7.00	278.70	0.75
15	7.50	280.40	0.61
16	8.00	281.90	0.53
17	8.50	283.40	0.53
18	9.00	284.60	0.42
19	9.50	285.90	0.45
20	10.00	287.20	0.45
21	10.50	288.40	0.42
22	11.00	289.40	0.35

USER INPUT BLANK VALUE
BLANK VALUE = 23.31741 micrograms carbon
BLANK FACTOR = 23.31741 / 10.99878 = +2.1E+00 ug/min Carbon

SAMPLE RESULTS:
(289.4 - 23.31754)(1)/(1) = +2.661E+02 g/L Carbon
(289.4 - 23.31754)(1)/(1)(12) = +2.217E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 6/5/96
JL STEELE 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001128 Date: 06/05/96 Time: 12:41:31

Sample Size = 1 uL , 1571g
Dil Factor = 1
Blank ID # =
Blank Value = .61 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	17.60	94.89
3	1.50	119.70	85.30
4	2.00	315.80	62.10
5	2.50	475.70	33.61
6	3.00	574.80	17.24
7	3.50	637.60	9.85
8	4.00	673.30	5.30
9	4.50	692.80	2.81
10	5.00	703.50	1.52
11	5.50	710.20	0.94
12	6.00	715.30	0.71
13	6.50	719.40	0.57
14	7.00	723.20	0.53
15	7.50	726.60	0.47
16	8.00	729.50	0.40
17	8.50	732.10	0.36
18	9.00	734.60	0.34
19	9.50	736.80	0.30
20	10.00	739.00	0.30
21	10.50	740.90	0.26
22	11.00	742.70	0.24

USER INPUT BLANK VALUE
BLANK VALUE = 6.709256 micrograms carbon
BLANK FACTOR = 6.709256 / 10.99878 = +6.1E-01 ug/min Carbon

SAMPLE RESULTS:
(742.7 - 6.709256)(1)/(1) = +7.360E+02 g/L Carbon
(742.7 - 6.709256)(1)/(1)(12) = +6.133E+01 Molar Carbon

Sample Run By: Jacque Steele 6/5/96
JL STEELE 00000

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: S96T001128 Date: 06/05/96 Time: 12:53:54

Sample Size = 1 uL .1571g
Dil Factor = 1
Blank ID # =
Blank Value = 2.12 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	28.00	91.43
3	1.51	120.10	76.69
4	2.00	234.90	48.87
5	2.50	359.40	34.64
6	3.00	442.00	18.69
7	3.50	491.40	10.05
8	4.00	517.80	5.10
9	4.50	531.00	2.49
10	5.00	538.70	1.43
11	5.50	544.30	1.03
12	6.00	548.60	0.78
13	6.50	552.20	0.65
14	7.00	555.20	0.54
15	7.50	557.90	0.48
16	8.00	560.00	0.37
17	8.50	562.10	0.37
18	9.00	563.90	0.32
19	9.50	565.50	0.28
20	10.00	567.30	0.32
21	10.50	568.60	0.23
22	11.00	570.00	0.25

USER INPUT BLANK VALUE
BLANK VALUE = 23.31741 micrograms carbon
BLANK FACTOR = 23.31741 / 10.99878 = +2.1E+00 ug/min Carbon

SAMPLE RESULTS:
(570 - 23.3231)(1)/(1) = +5.467E+02 g/L Carbon
(570 - 23.3231)(1)/(1)(12) = +4.556E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 6/5/96
JL STEELE 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1128 DUP Date: 06/05/96 Time: 13:05:49

Sample Size = 1 uL .1765g
Dil Factor = 1
Blank ID # =
Blank Value = .61 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	22.70	94.27
3	1.51	138.60	83.62
4	2.01	331.10	58.14
5	2.51	489.10	32.30
6	3.01	592.10	17.40
7	3.51	654.40	9.52
8	4.00	693.80	5.68
9	4.50	716.30	3.14
10	5.00	728.70	1.70
11	5.50	736.10	1.01
12	6.00	741.80	0.77
13	6.50	746.40	0.62
14	7.00	750.30	0.52
15	7.50	754.00	0.49
16	8.00	757.20	0.42
17	8.50	760.10	0.38
18	9.00	762.60	0.33
19	9.50	764.90	0.30
20	10.00	767.10	0.29
21	10.50	769.20	0.27
22	11.00	771.00	0.23

USER INPUT BLANK VALUE
BLANK VALUE = 6.709256 micrograms carbon
BLANK FACTOR = 6.709256 / 10.99878 = +6.1E-01 ug/min Carbon

SAMPLE RESULTS:
(771 - 6.710894)(1)/(1) = +7.643E+02 g/L Carbon
(771 - 6.710894)(1)/(1)(12) = +6.369E+01 Molar Carbon

Sample Run By: Jaene Steele 6/6/96
JL STEELE 00000

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1128 DUP Date: 06/05/96 Time: 13:18:13

Sample Size = 1 uL .1765g
Dil Factor = 1
Blank ID # =
Blank Value = 2.12 ug/minute C

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

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	2.80	0.00
2	1.01	35.40	92.09
3	1.51	120.60	70.65
4	2.00	218.20	44.73
5	2.50	322.70	32.38
6	3.00	398.50	19.02
7	3.51	446.20	10.69
8	4.00	474.80	6.02
9	4.50	491.00	3.30
10	5.00	500.30	1.86
11	5.50	506.90	1.30
12	6.00	511.60	0.92
13	6.50	515.50	0.76
14	7.00	518.70	0.62
15	7.50	521.60	0.56
16	8.00	524.10	0.48
17	8.50	526.20	0.40
18	9.00	528.30	0.40
19	9.50	530.20	0.36
20	10.00	531.90	0.32
21	10.50	533.40	0.28
22	11.00	534.80	0.26

USER INPUT BLANK VALUE
BLANK VALUE = 23.31741 micrograms carbon
BLANK FACTOR = 23.31741 / 10.99878 = +2.1E+00 ug/min Carbon

SAMPLE RESULTS:
(534.8 - 23.31935)(1)/(1) = +5.115E+02 g/L Carbon
(534.8 - 23.31935)(1)/(1)(12) = +4.262E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jacque Steele 6/5/96
JL STEELE 00000

LABCORE Data Entry Template for Worklist# 6688

Analyst: RS McCown **Instrument:** CARB2 _____ **Book#** TIC 22N12B
TOC 24N12A

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

Worklist Comment: U-107 FOR TIC/TOC ACID PERSULFATE

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	BLNK				@TICTOC1	LIQUID		
2	STD				@TICTOC1	LIQUID		
3	SAMPLE	S96T000665	0		@TICTOC1	LIQUID	96000085	U-107
		Analytes Requested:			TIC-02 , TOC-02			
4	DUP	S96T000665	0		@TICTOC1	LIQUID		
5	SPK	S96T000665	0		@TICTOC1	LIQUID		
6	SAMPLE	S96T000682	0		@TICTOC1	LIQUID	96000085	U-107
		Analytes Requested:			TIC-02 , TOC-02			
7	DUP	S96T000682	0		@TICTOC1	LIQUID		
8	SAMPLE	S96T002034	0		@TICTOC1	LIQUID	96000126	U-107
		Analytes Requested:			TIC-02 , TOC-02			
9	DUP	S96T002034	0		@TICTOC1	LIQUID		

Final page for worklist # 6688

RS McCown 6/2/96
Analyst Signature **Date**

Analyst Signature **Date**

Data Entry Comments: Insufficient sample to rerun S96T000682

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

LABCORE Data Entry Template for Worklist# 6688

Analyst: RMcCown **Instrument:** CARB2 _____ **Book #** TIC 22N12B TOC 24N12A

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

Worklist Comment: U-107 FOR TIC/TOC ACID PERSULFATE

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				@TICTOC1 TIC-02	LIQUID	1	2	N/A	ug/mL
		1	BLNK				@TICTOC1 TOC-02	LIQUID	1	5.7	N/A	ug/mL
		2	STD				@TICTOC1 TIC-02	LIQUID	6.02E2	6.11E2	N/A	ug/mL
		2	STD				@TICTOC1 TOC-02	LIQUID	3.00E3	2.84E3	N/A	ug/mL
96000085	U-107	3	SAMPLE	S96T000665	0		@TICTOC1 TIC-02	LIQUID	N/A	7.08E3		ug/mL
96000085	U-107	3	SAMPLE	S96T000665	0		@TICTOC1 TOC-02	LIQUID	N/A	4.69E3		ug/mL
96000085	U-107	4	DUP	S96T000665	0		@TICTOC1 TIC-02	LIQUID	7.08E3	6.62E3	N/A	ug/mL
96000085	U-107	4	DUP	S96T000665	0		@TICTOC1 TOC-02	LIQUID	4.69E3	4.38E3	N/A	ug/mL
96000085	U-107	5	SPK	S96T000665	0		@TICTOC1 TIC-02	LIQUID	100	106	N/A	ug/mL
96000085	U-107	5	SPK	S96T000665	0		@TICTOC1 TOC-02	LIQUID	100	101	N/A	ug/mL
96000085	U-107	6	SAMPLE	S96T000682	0		@TICTOC1 TIC-02	LIQUID	N/A			ug/mL
96000085	U-107	6	SAMPLE	S96T000682	0		@TICTOC1 TOC-02	LIQUID	N/A			ug/mL
96000085	U-107	7	DUP	S96T000682	0		@TICTOC1 TIC-02	LIQUID			N/A	ug/mL
96000085	U-107	7	DUP	S96T000682	0		@TICTOC1 TOC-02	LIQUID			N/A	ug/mL
96000126	U-107	8	SAMPLE	S96T002034	0		@TICTOC1 TIC-02	LIQUID	N/A	2.94E2		ug/mL
96000126	U-107	8	SAMPLE	S96T002034	0		@TICTOC1 TOC-02	LIQUID	N/A	6.54E2		ug/mL
96000126	U-107	9	DUP	S96T002034	0		@TICTOC1 TIC-02	LIQUID	2.94E2	2.71E2	N/A	ug/mL
96000126	U-107	9	DUP	S96T002034	0		@TICTOC1 TOC-02	LIQUID	6.54E2	6.94E2	N/A	ug/mL

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
05/31/96 16:28

LABCORE Data Entry Template for Worklist# 6688

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

Final page for worklist # 6688

RLMcCown 6/2/96
Analyst Signature Date

Analyst Signature Date

Data Entry Comments: Insufficient sample to run 596T000682. RLM

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 Completed Worklist Report for Worklist# 6688

Analyst: pjm **Instrument:** CARB2 **Book#** _____

Method: _____ Rev/Mod _____

Worklist Comment: U-107 FOR TIC/TOC ACID PERSULFATE

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit	
1	BLNK			0	@TICTOC1 TIC-02	LIQUID	1	2.00E+0	2.000	ug/mL	
1	BLNK			0	@TICTOC1 TOC-02	LIQUID	1	5.70E+0	5.700	ug/mL	
2	STD			0	@TICTOC1 TIC-02	LIQUID	6.02E+02	6.11E+2	101.495	% Recovery	
2	STD			0	@TICTOC1 TOC-02	LIQUID	3.00E+03	2.84E+3	94.667	% Recovery	
3	SAMPLE	S96T000665		0	@TICTOC1 TIC-02	LIQUID	N/A	4.67E+03	5.000	ug/mL	
3	SAMPLE	S96T000665		0	@TICTOC1 TOC-02	LIQUID	N/A	3.09E+03	40.000	ug/mL	
4	DUP	S96T000665		0	@TICTOC1 TIC-02	LIQUID	4.67E+3	4.77E+3	2.119	RPD	
4	DUP	S96T000665		0	@TICTOC1 TOC-02	LIQUID	3.09E+3	3.15E+3	1.923	RPD	
5	SPK	S96T000665		0	@TICTOC1 TIC-02	LIQUID	1.00E+02	1.02E+02	102.000	% Recovery	
5	SPK	S96T000665		0	@TICTOC1 TOC-02	LIQUID	1.00E+02	9.83E+01	98.300	% Recovery	
6	SAMPLE	S96T000682		0	@TICTOC1 TIC-02	LIQUID	N/A	~~5.00E+00~~	I.S. 5.000	ug/mL	RWS 6/5/96
6	SAMPLE	S96T000682		0	@TICTOC1 TOC-02	LIQUID	N/A	~~4.00E+01~~	I.S. 40.000	ug/mL	RWS 6/5/96
7	DUP	S96T000682		0	@TICTOC1 TIC-02	LIQUID	~~<5.00E+0~~	~~<5.00E+0~~	I.S.	RPD	RWS 6/5/96
7	DUP	S96T000682		0	@TICTOC1 TOC-02	LIQUID	~~<4.00E+1~~	~~<4.00E+1~~	I.S.	RPD	RWS 6/5/96
8	SAMPLE	S96T002034		0	@TICTOC1 TIC-02	LIQUID	N/A	2.96E+02	5.000	ug/mL	
8	SAMPLE	S96T002034		0	@TICTOC1 TOC-02	LIQUID	N/A	6.59E+02	40.000	ug/mL	
9	DUP	S96T002034		0	@TICTOC1 TIC-02	LIQUID	2.96E+2	2.70E+2	9.187	RPD	
9	DUP	S96T002034		0	@TICTOC1 TOC-02	LIQUID	6.59E+2	6.91E+2	4.741	RPD	

Final page for worklist# 6688

[illegible] 6-4-96
Analyst Signature **Date**

Analyst Signature **Date**

Robert W Schwecke 6/5/96
Reviewer Signature **Date**

I.S. = Insufficient Sample size remains for analysis

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

WORKBOOK PAGE: BLANK1

TIC/TOC : LA-342-100 (C-0) LIQUIDS

			TIC	TOC
	Sample Size in mL	(SS)	0.0000	0.0000
BLNK	Dilution Factor	(DF)	1	1
	µg of Carbon in Sample	(C1)	4.7	23.2
6688	µg of Carbon from Baseline	(C2)	6.7	28.9

@TICTOC1

LIQUID

96002366

µg of Carbon = |C1-C2|

0

N/A

BLNK

CARB2

RTS

RWS

PJM

06/04/96

06/02/96

		TIC	TOC
	Method Detection Limit in µg/mL	5	40
	µg of Carbon	2.00E+00	5.70E+00

U-107

Data Entered By:	RTS	Date:	06/04/96
Signature of Chemist:	RW Schroeder	Date:	6/5/96

BLANK.WB1 REV 1.0 342100ML

861

WORKBOOK PAGE: STD2

TIC/TOC : LA-342-100 (C-0) LIQUIDS

			TIC	TOC
[illegible]	Sample Size in mL	(SS)	1.0000	0.2000
STD	Dilution Factor	(DF)	1	1
[illegible]	Final Coulometer Reading in µg	(C1)	617.9	596.5
6688	µg of Carbon from Baseline	(C2)	6.7	28.9
[illegible]	Standard Book Number		22N12B	24N12A
@TICTOC1	Standard Value (µg/ml)		602	3000

[illegible]	
LIQUID	
[illegible]	
96002366	
[illegible]	
0	QC Actual in µg/mL = Standard Value (µg/mL)
[illegible]	QC Found in µg/mL = (C1 - C2) * DF / SS
N/A	QC Found in µg/mL for TIC = 5 if C1 < C2
[illegible]	QC Found in µg/mL for TOC = 40 if C1 < C2
[illegible]	% Recovery = QC Found / QC Actual * 100
CARB2	
[illegible]	
RTS	
[illegible]	
RWS	
[illegible]	
PJM	
[illegible]	
06/04/96	
[illegible]	
06/02/96	

		TIC	TOC
[illegible]	Method Detection Limit in µg/mL	5	40
	QC Actual in µg/mL	6.02E+02	3.00E+03
[illegible]	QC Found in µg/mL	6.11E+02	2.84E+03
U-107	Percent Standard Recovery	101.5	94.6

Data Entered By:	RTS	Date:	06/04/96
Signature of Chemist:	RW Schroeder	Date:	6/5/96

STANDARD.WB1 REV 1.0 342100ML

862

WORKBOOK PAGE: SAM3

TIC/TOC : LA-342-100 (C-0) LIQUIDS

			TIC	TOC
Type	Sample Size in mL	(SS)	0.1516	0.1516
SAMPLE	Dilution Factor	(DF)	1	1
Work Id	µg of Carbon in Sample	(C1)	714.6	498.1
6688	µg of Carbon from Baseline	(C2)	6.7	28.9
Test Code				
@TICTOC1				

Matrix	
LIQUID	
Batch Number	
96002366	
Rep	µg of Carbon/mL = (C1-C2) * DF / SS
0	µg of Carbon/mL for TIC = 5 if C1 < C2
Sample Prep	µg of Carbon/mL for TOC = 40 if C1 < C2
N/A	
Sample	
S96T000665	
Instrument Code	
CARB2	
Prepared By	
RTS	
Chemist	
RWS	
Analyst	
PJM	
Date Complete	
06/04/96	
Analysis Date	
06/02/96	

		TIC	TOC
Analysis Time	Method Detection Limit in µg/mL	5	40
Sample Point	µg of Carbon/mL	4.67E+03	3.09E+03
U-107			

Data Entered By:	RTS	Date:	06/04/96
Signature of Chemist:	RW Schroeder	Date:	6/5/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: DUP4

TIC/TOC : LA-342-100 (C-0) LIQUIDS

			TIC	TOC
Type	Sample Size in mL	(SS)	0.1389	0.1389
DUP	Dilution Factor	(DF)	1	1
Workbook	µg of Carbon in Sample	(C1)	668.7	467
6688	µg of Carbon from Baseline	(C2)	6.7	28.9
Test Code	Known µg of C from Original Sample		4.67E+3	3.09E+3
@TICTOC1				

Matrix	
LIQUID	
Batch Number	
96002366	
Rerun	µg of Carbon/mL = (C1-C2) * DF / SS
0	µg of Carbon/mL for TIC = 5 if C1 < C2
Sample Prep	µg of Carbon/mL for TOC = 40 if C1 < C2
N/A	
Sample	RPD (of Sample and Dup Results) = | Difference | / Average
S96T000665	
Instrument Code	
CARB2	
Prepared By	
RTS	
Chemist	
RWS	
Analyst	
PJM	
Date Complete	
06/04/96	
Analysis Date	
06/02/96	

		TIC	TOC
Analysis Time	Method Detection Limit in µg/mL	5	40
Sample Point	µg of Carbon/mL	4.77E+03	3.15E+03
U-107	RPD (of Sam and Dup Results)	~~2.0%~~ 2.1 RWS 6/5/96	~~2.1%~~ 1.9 RWS 6/5/96

Data Entered By:	RTS	Date:	06/04/96
Signature of Chemist:	RW Schroeder	Date:	6/5/96

SAMPLE.WB1 REV 1.0 342100ML

864

I:\342100\OUT\TI6688.WB1 06/04/96 10:13:28

WORKBOOK PAGE: SPIKE5

TIC/TOC : LA-342-100 (C-0) LIQUIDS

Type	Sample Vial Data		TIC	TOC
SPK	Sample Volume in mL	(SS)	0.1516	0.1516
Work Order	Final Coulometer Reading in µg	(C1)	714.6	498.1
6688	Spiked Vial Data			
Spike Vial Id	Sample Volume in mL	(SPK SS)	0.1584	0.1584
@TICTOC1	Amount of Spike Std. in mL	(SPK VOL)	0.500	0.100
Matrix	Final Coulometer Reading in µg	(C3)	1073.4	806.3
LIQUID	Spike Book Number		22N12B	24N12A
Batch Number	Spike Standard Value in µg/ml		602	3000
96002366	Spike Concentration in µg	(SPK CONC)	301	300

Rerun
0

Sample Prep
N/A

Sample
S96T000665

Instrument Code
CARB2

Prepared By
RTS

Chemist
RWS

Analyst
PJM

Date Complete
06/04/96

Analysis Date
06/02/96

Analysis Time

Sample Point
U-107

Spike Concentration in µg = (Spike Std. Value in µg/mL)*(SPK VOL)

Percent Spike Recovery = (C3) / [(C1/SS * SPK SS) + (SPK CONC)] * 100

QC Actual in µg/mL = Spike Value (µg/mL)
QC Found in µg/mL = (Percent Spike Recovery)*(QC Actual) / 100

	TIC	TOC
QC Actual in µg/mL	6.02E+02	3.00E+03
QC Found in µg/mL	6.17E+02	2.95E+03
Percent Spike Recovery	102.5	98.3

RW Schroeder 6/5/96

WORKBOOK PAGE: SAM6

TIC/TOC : LA-342-100 (C-0) LIQUIDS

			TIC	TOC
	Sample Size in mL	(SS)		
SAMPLE	Dilution Factor	(DF)	1	1
	µg of Carbon in Sample	(C1)	INS	INS
6688	µg of Carbon from Baseline	(C2)	6.7	28.9
@TICTOC1				

Matrix
LIQUID

Batch Number
96002366

Rerun
0

Sample Prep
N/A

Sample
S96T000682

Instrument Code
CARB2

Prepared By
RTS

Chemist
RWS

Analyst
PJM

Date Completed
06/04/96

Analysis Date
06/02/96

Analysis Time

Sample Point
U-107

µg of Carbon/mL = (C1-C2) * DF / SS
µg of Carbon/mL for TIC = 5 if C1 < C2
µg of Carbon/mL for TOC = 40 if C1 < C2

RWS 6/5/96

NOTE: FOR TIC: The Reported Result < 5.
NOTE: FOR TOC: The Reported Result < 40.

I.S. I.S.

	TIC	TOC
Method Detection Limit in µg/mL	~~5~~	~~40~~
µg of Carbon/mL Note: <		

Data Entered By:	RTS	Date:	06/04/96
Signature of Chemist:	RW Schroeder	Date:	6/5/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: DUP7

TIC/TOC : LA-342-100 (C-0) LIQUIDS

			TIC	TOC
	Sample Size in mL	(SS)		
DUP	Dilution Factor	(DF)	1	1
Worklist	µg of Carbon in Sample	(C1)	INS	INS
6688	µg of Carbon from Baseline	(C2)	6.7	28.9
Filter Code	Known µg of C from Original Sample		INS	INS
@TICTOC1				

Matrix: LIQUID

Batch Number: 96002366

Rerun: 0

Sample Prep: N/A

Sample: S96T000682

Instrument Code: CARB2

Prepared By: RTS

Chemist: RWS

Analyst: PJM

Date Complete: 06/04/96

Analysis Date: 06/02/96

Analysis Time:

Sample Point: U-107

µg of Carbon/mL = (C1-C2) * DF / SS
µg of Carbon/mL for TIC = 5 if C1 < C2
µg of Carbon/mL for TOC = 40 if C1 < C2

RPD (of Sample and Dup Results) = | Difference | / Average

RWS 6/5/96

NOTE: FOR TIC: The Reported Result < 5. I.S.

NOTE: FOR TOC: The Reported Result < 40. I.S.

		TIC	TOC
Method Detection Limit in µg/mL		5	40
µg of Carbon/mL	Note: <		
RPD (of Sam and Dup Results)		ERR	ERR

Data Entered By:	RTS	Date:	06/04/96
Signature of Chemist:	RW Schroeder	Date:	6/5/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: SAM8

TIC/TOC : LA-342-100 (C-0) LIQUIDS

			TIC	TOC
[illegible]	Sample Size in mL	(SS)	0.0992	0.0992
SAMPLE	Dilution Factor	(DF)	1	1
Work List	µg of Carbon in Sample	(C1)	36.1	94.3
6688	µg of Carbon from Baseline	(C2)	6.7	28.9
Test Code				
@TICTOC1				

Matrix	
LIQUID	
Batch Number	
96004265	
Rerun	µg of Carbon/mL = (C1-C2) * DF / SS
0	µg of Carbon/mL for TIC = 5 if C1 < C2
Sample Prep	µg of Carbon/mL for TOC = 40 if C1 < C2
N/A	
Sample #	
S96T002034	
Instrument Code	
CARB2	
Prepared By	
RTS	
Chemist	
RWS	
Analyst	
PJM	
Date Complete	
06/04/96	
Analysis Date	
06/02/96	

		TIC	TOC
Analysis Time	Method Detection Limit in µg/mL	5	40
Sample Point	µg of Carbon/mL	2.96E+02	6.59E+02
U-107			

Data Entered By:	RTS	Date:	06/04/96
Signature of Chemist:	RW Schroeder	Date:	6/5/96

SAMPLE.WB1 REV 1.0 342100ML

868

WORKBOOK PAGE: DUP9

TIC/TOC : LA-342-100 (C-0) LIQUIDS

			TIC	TOC
Type	Sample Size in mL	(SS)	0.1005	0.1005
DUP	Dilution Factor	(DF)	1	1
Worklist	µg of Carbon in Sample	(C1)	33.8	98.3
6688	µg of Carbon from Baseline	(C2)	6.7	28.9
Instrument	Known µg of C from Original Sample		2.96E+2	6.59E+2
@TICTOC1				

Matrix: LIQUID

Batch Number: 96004265

Rerun: 0

Sample Prep: N/A

Sample: S96T002034

Instrument Code: CARB2

Prepared By: RTS

Chemist: RWS

Analyst: PJM

Date Complete: 06/04/96

Analysis Date: 06/02/96

Analysis Time:

Sample Point: U-107

µg of Carbon/mL = (C1-C2) * DF / SS
µg of Carbon/mL for TIC = 5 if C1 < C2
µg of Carbon/mL for TOC = 40 if C1 < C2

RPD (of Sample and Dup Results) = | Difference | / Average

	TIC	TOC
Method Detection Limit in µg/mL	5	40
µg of Carbon/mL	2.70E+02	6.91E+02
RPD (of Sam and Dup Results)	~~9.3%~~ 9.2 RWS 6/5/96	4.7%

Data Entered By:	RTS	Date:	06/04/96
Signature of Chemist:	RW Schroeder	Date:	6/5/96

SAMPLE.WB1 REV 1.0 342100ML

869

I:\342100\OUT\TI6688.WB1 06/04/96 10:14:02

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
<<< BLANK ANALYSIS >>> WHC-SD-WM-DP-184, REV. 1

Sample: BASE Date: 06/01/96 Time: 19:33:16

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

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	0.60	66.67
3	1.51	1.10	45.45
4	2.01	1.60	31.25
5	2.51	1.90	15.79
6	3.01	2.30	17.39
7	3.51	2.70	14.81
8	4.01	3.00	10.00
9	4.50	3.30	9.09
10	5.00	3.60	8.33
11	5.50	3.90	7.69
12	6.00	4.20	7.14
13	6.50	4.40	4.55
14	7.00	4.70	6.38
15	7.50	4.90	4.08
16	8.00	5.20	5.77
17	8.50	5.40	3.70
18	9.00	5.80	6.90
19	9.50	6.00	3.33
20	10.00	6.30	4.76
21	10.50	6.50	3.08
22	11.00	6.70	2.99

BLANK VALUE = 6.7 micrograms carbon
BLANK FACTOR = 6.7 / 11.00256 = +6.1E-01 ug/min Carbon

Sample Run By: PJ McCown 6/29/96
PJ MCCOWN 00000

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

Sample: BASE Date: 06/01/96 Time: 19:47:21

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

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.20	0.00
2	1.01	1.10	81.82
3	1.50	3.10	64.52
4	2.00	7.50	58.67
5	2.50	13.00	42.31
6	3.01	17.30	24.86
7	3.51	20.00	13.50
8	4.00	21.70	7.83
9	4.50	22.80	4.82
10	5.00	23.50	2.98
11	5.50	24.10	2.49
12	6.00	24.70	2.43
13	6.50	25.30	2.37
14	7.00	25.70	1.56
15	7.50	26.10	1.53
16	8.00	26.60	1.88
17	8.50	27.00	1.48
18	9.00	27.40	1.46
19	9.50	27.80	1.44
20	10.00	28.20	1.42
21	10.50	28.50	1.05
22	11.00	28.90	1.38

BLANK VALUE = 28.9 micrograms carbon
BLANK FACTOR = 28.9 / 11.00244 = +2.63E+00 ug/min Carbon

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

Sample Run By: PJ McCown 6/2/96
PJ MCCOWN 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. 1

Sample: 22N12B STD Date: 06/01/96 Time: 20:02:29

Sample Size = 1000 uL
Dil Factor = 1
Blank ID # =
Blank Value = .61 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

Reading	Analysis Time	Coulometer	% Difference
1	0.51	0.30	0.00
2	1.01	4.30	93.02
3	1.51	87.30	95.07
4	2.00	252.70	65.45
5	2.50	403.50	37.37
6	3.00	503.20	19.81
7	3.50	561.00	10.30
8	4.00	591.00	5.08
9	4.50	604.60	2.25
10	5.00	610.40	0.95
11	5.50	612.90	0.41
12	6.00	614.00	0.18
13	6.50	614.70	0.11
14	7.00	615.30	0.10
15	7.50	615.80	0.08
16	8.00	616.00	0.03
17	8.50	616.50	0.08
18	9.00	616.80	0.05
19	9.50	617.00	0.03
20	10.00	617.40	0.06
21	10.50	617.70	0.05
22	11.00	617.90	0.03

USER INPUT BLANK VALUE
BLANK VALUE = 6.711489 micrograms carbon
BLANK FACTOR = 6.711489 / 11.00244 = +6.1E-01 ug/min Carbon

SAMPLE RESULTS:
(617.9 - 6.709777)(1)/(1000) = +6.112E-01 g/L Carbon
(617.9 - 6.709777)(1)/(1000)(12) = +5.093E-02 Molar Carbon

Sample Run By: PJ McCown 6/2/96
PJ MCCOWN 00000

1.0mL

$\frac{611.2}{602} = 101.53\%$

872

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. 1

Sample: 24N12A STD Date: 06/01/96 Time: 20:56:52

Sample Size = 200 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.63 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.10	0.00
2	1.00	1.40	92.86
3	1.50	22.00	93.64
4	2.00	124.30	82.30
5	2.50	310.00	59.90
6	3.00	462.10	32.91
7	3.50	537.90	14.09
8	4.00	571.70	5.91
9	4.50	583.40	2.01
10	5.00	587.30	0.66
11	5.50	589.10	0.31
12	6.00	590.10	0.17
13	6.50	590.90	0.14
14	7.00	591.60	0.12
15	7.50	592.20	0.10
16	8.00	592.70	0.08
17	8.50	593.10	0.07
18	9.00	593.80	0.12
19	9.50	594.60	0.13
20	10.00	595.30	0.12
21	10.50	596.00	0.12
22	11.00	596.50	0.08

USER INPUT BLANK VALUE
BLANK VALUE = 28.93642 micrograms carbon
BLANK FACTOR = 28.93642 / 11.00244 = +2.6E+00 ug/min Carbon

SAMPLE RESULTS:
(596.5 - 28.92711)(1)/(200) = +2.838E+00 g/L Carbon
(596.5 - 28.92711)(1)/(200)(12) = +2.365E-01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: PJ McCown 6/2/96
PJ MCCOWN 00000

$\frac{2838}{.200ml} = 1419$ .200ml

$\frac{567.57}{.200ml} = \frac{2837.8}{3.00E3} = 94.6\%$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV.

Sample: BLANK Date: 06/01/96 Time: 21:15:21

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .61 ug/minute C

Analyst : PJ MCCOWN
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	1.51	0.70	28.57
4	2.00	0.90	22.22
5	2.50	1.10	18.18
6	3.00	1.40	21.43
7	3.50	1.50	6.67
8	4.00	1.70	11.76
9	4.50	2.00	15.00
10	5.00	2.30	13.04
11	5.50	2.30	0.00
12	6.00	2.50	8.00
13	6.50	2.80	10.71
14	7.00	3.00	6.67
15	7.50	3.20	6.25
16	8.00	3.40	5.88
17	8.50	3.70	8.11
18	9.00	3.80	2.63
19	9.50	4.10	7.32
20	10.00	4.30	4.65
21	10.50	4.40	2.27
22	11.00	4.70	6.38

USER INPUT BLANK VALUE
BLANK VALUE = 6.711489 micrograms carbon
BLANK FACTOR = 6.711489 / 11.00244 = +6.1E-01 ug/min Carbon

SAMPLE RESULTS:
(4.7 - 6.709926)(1)/(1) = < 5.00 E-3 g/L Carbon
(4.7 - 6.709926)(1)/(1)(12) = < 4.17 E-4 Molar Carbon

Sample Run By: PJ McCown 6/2/96
PJ MCCOWN 00000

|4.70-6.70| = 2

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. 1

Sample: BLANK Date: 06/01/96 Time: 21:28:27

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.63 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

Reading	Analysis Time	Coulometer	% Difference
1	0.51	0.00	0.00
2	1.01	0.90	100.00
3	1.51	3.00	70.00
4	2.00	6.90	56.52
5	2.50	11.20	38.39
6	3.00	13.90	19.42
7	3.50	15.40	9.74
8	4.00	16.10	4.35
9	4.50	16.80	4.17
10	5.00	17.40	3.45
11	5.50	17.90	2.79
12	6.00	18.40	2.72
13	6.50	18.90	2.65
14	7.00	19.40	2.58
15	7.50	19.90	2.51
16	8.00	20.50	2.93
17	8.50	21.20	3.30
18	9.00	21.70	2.30
19	9.50	22.10	1.81
20	10.00	22.50	1.78
21	10.50	22.90	1.75
22	11.00	23.20	1.29

USER INPUT BLANK VALUE
BLANK VALUE = 28.93642 micrograms carbon
BLANK FACTOR = 28.93642 / 11.00244 = +2.6E+00 ug/min Carbon

SAMPLE RESULTS:
(23.2 - 28.92968)(1)/(1) = < 5.00 E-3 g/L Carbon
(23.2 - 28.92968)(1)/(1)(12) = < 4.17 E-4 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: PJ McCown 6/2/96
PJ MCCOWN 00000

| 23.20 - 28.90 | = -5.7

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. 1

Sample: S96T000665 Date: 06/01/96 Time: 21:47:45

Sample Size = 1 uL .100ml
Dil Factor = 1
Blank ID # =
Blank Value = .61 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.80	0.00
2	1.01	7.90	89.87
3	1.50	130.50	93.95
4	2.00	365.50	64.30
5	2.50	547.00	33.18
6	3.00	634.20	13.75
7	3.50	672.90	5.75
8	4.00	689.00	2.34
9	4.50	695.80	0.98
10	5.00	699.60	0.54
11	5.50	702.10	0.36
12	6.00	704.00	0.27
13	6.50	705.60	0.23
14	7.00	707.00	0.20
15	7.50	708.20	0.17
16	8.00	709.40	0.17
17	8.50	710.40	0.14
18	9.00	711.40	0.14
19	9.50	712.40	0.14
20	10.00	713.10	0.10
21	10.50	713.90	0.11
22	11.00	714.60	0.10

USER INPUT BLANK VALUE
BLANK VALUE = 6.711489 micrograms carbon
BLANK FACTOR = 6.711489 / 11.00244 = +6.1E-01 ug/min Carbon

SAMPLE RESULTS:
(714.6 - 6.709851)(1)/(1) = +7.079E+02 g/L Carbon
(714.6 - 6.709851)(1)/(1)(12) = +5.899E+01 Molar Carbon

Sample Run By: PJ McCown 6/2/96
PJ MCCOWN 00000

.1516g
.100mL

707.9 / .100ml ~ 7.079 g3

876

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. 1

Sample: S96T000665 Date: 06/01/96 Time: 22:00:35

Sample Size = 1 uL 100ml
Dil Factor = 1
Blank ID # =
Blank Value = 2.63 ug/minute C

Analyst : PJ MCCOWN
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	79.00	93.42
4	2.00	309.90	74.51
5	2.50	420.10	26.23
6	3.00	458.20	8.32
7	3.50	473.60	3.25
8	4.00	480.70	1.48
9	4.50	484.70	0.83
10	5.00	487.60	0.59
11	5.50	489.50	0.39
12	6.00	491.00	0.31
13	6.50	492.30	0.26
14	7.00	493.40	0.22
15	7.50	494.20	0.16
16	8.00	495.10	0.18
17	8.50	495.70	0.12
18	9.00	496.20	0.10
19	9.50	496.70	0.10
20	10.00	497.40	0.14
21	10.50	497.70	0.06
22	11.00	498.10	0.08

USER INPUT BLANK VALUE
BLANK VALUE = 28.93642 micrograms carbon
BLANK FACTOR = 28.93642 / 11.00244 = +2.6E+00 ug/min Carbon

SAMPLE RESULTS:
(498.1 - 28.93418)(1)/(1) = +4.692E+02 g/L Carbon
(498.1 - 28.93418)(1)/(1)(12) = +3.910E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: PJ McCown 6/2/96
PJ MCCOWN 00000

.1516g
.100mL

469.2 / .100ml = 4.692E3

877

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. 1

Sample: S96T000665DUP Date: 06/01/96 Time: 22:19:00

Sample Size = 1 uL .100ml
Dil Factor = 1
Blank ID # =
Blank Value = .61 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.40	0.00
2	1.01	5.80	93.10
3	1.51	105.20	94.49
4	2.00	314.60	66.56
5	2.50	488.30	35.57
6	3.00	574.00	14.93
7	3.50	615.40	6.73
8	4.00	634.20	2.96
9	4.50	642.60	1.31
10	5.00	647.80	0.80
11	5.50	651.40	0.55
12	6.00	654.10	0.41
13	6.50	656.40	0.35
14	7.00	658.40	0.30
15	7.50	660.20	0.27
16	8.00	661.80	0.24
17	8.50	663.20	0.21
18	9.00	664.50	0.20
19	9.50	665.70	0.18
20	10.00	666.70	0.15
21	10.50	667.80	0.16
22	11.00	668.70	0.13

USER INPUT BLANK VALUE
BLANK VALUE = 6.711489 micrograms carbon
BLANK FACTOR = 6.711489 / 11.00244 = +6.1E-01 ug/min Carbon

SAMPLE RESULTS:
(668.7 - 6.708735)(1)/(1) = +6.620E+02 g/L Carbon
(668.7 - 6.708735)(1)/(1)(12) = +5.517E+01 Molar Carbon

Sample Run By: PJ McCown 6/2/96
PJ MCCOWN 00000

.1389g
.100mL

$\frac{662.0}{.100ml} = 6.620^{E3}$

878

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. 1

Sample: S96T000665DUP Date: 06/01/96 Time: 22:31:49

Sample Size = 1 uL .100ml
Dil Factor = 1
Blank ID # =
Blank Value = 2.63 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

Reading	Analysis Time	Coulometer	% Difference
1	0.51	1.10	0.00
2	1.01	16.10	93.17
3	1.50	142.30	88.69
4	2.00	338.40	57.95
5	2.50	410.80	17.62
6	3.00	436.70	5.93
7	3.50	446.30	2.15
8	4.00	451.10	1.06
9	4.50	454.10	0.66
10	5.00	456.20	0.46
11	5.50	457.90	0.37
12	6.00	459.10	0.26
13	6.50	460.20	0.24
14	7.00	461.20	0.22
15	7.50	462.30	0.24
16	8.00	463.10	0.17
17	8.50	463.90	0.17
18	9.00	464.60	0.15
19	9.50	465.30	0.15
20	10.00	465.90	0.13
21	10.50	466.40	0.11
22	11.00	467.00	0.13

USER INPUT BLANK VALUE
BLANK VALUE = 28.93642 micrograms carbon
BLANK FACTOR = 28.93642 / 11.00244 = +2.6E+00 ug/min Carbon

SAMPLE RESULTS:
(467 - 28.93161)(1)/(1) = +4.381E+02 g/L Carbon
(467 - 28.93161)(1)/(1)(12) = +3.651E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: PJ McCown 6/2/96
PJ MCCOWN 00000

.1389g
.100mL

438.1 / .100mL = 4.381E3

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0 WHC-SD-WM-DP-184, REV. 1

Sample: S96T000665SPK Date: 06/01/96 Time: 22:47:02

Sample Size = 1 uL .100ml +
Dil Factor = 1 .500ml 22N12B
Blank ID # =
Blank Value = .61 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.50	0.00
2	1.01	7.80	93.59
3	1.51	165.90	95.30
4	2.01	523.00	68.28
5	2.50	802.60	34.84
6	3.00	933.10	13.99
7	3.50	993.80	6.11
8	4.00	1022.70	2.83
9	4.50	1036.00	1.28
10	5.00	1043.20	0.69
11	5.50	1048.60	0.51
12	6.00	1052.80	0.40
13	6.50	1056.20	0.32
14	7.00	1059.10	0.27
15	7.50	1061.60	0.24
16	8.00	1063.80	0.21
17	8.50	1065.70	0.18
18	9.00	1067.60	0.18
19	9.50	1069.10	0.14
20	10.00	1070.70	0.15
21	10.50	1072.00	0.12
22	11.00	1073.40	0.13

USER INPUT BLANK VALUE
BLANK VALUE = 6.711489 micrograms carbon
BLANK FACTOR = 6.711489 / 11.00244 = +6.1E-01 ug/min Carbon

SAMPLE RESULTS:
(1073.4 - 6.709926)(1)/(1) = +1.0667E+03 g/L Carbon
(1073.4 - 6.709926)(1)/(1)(12) = +8.8891E+01 Molar Carbon

Sample Run By: PJ McCown 6/2/96
PJ MCCOWN 00000

.1584 g
.100 ml
+ .500 ml 22N12B

$$\frac{1073.40}{\frac{714.60}{.100} \times .100 + .500} = \frac{1073.40}{1014.6} = 105.80\%$$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0 WHC-SD-WM-DP-184, REV. 1

Sample: S96T000665SPK Date: 06/01/96 Time: 23:01:53

Sample Size = 1 uL .100 +
Dil Factor = 1 .100ml 24N12A
Blank ID # =
Blank Value = 2.63 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.30	0.00
2	1.01	10.80	87.96
3	1.51	98.80	89.07
4	2.00	372.70	73.49
5	2.50	628.60	40.71
6	3.00	726.50	13.48
7	3.50	765.40	5.08
8	4.00	780.40	1.92
9	4.50	787.30	0.88
10	5.00	791.10	0.48
11	5.50	793.60	0.32
12	6.00	795.70	0.26
13	6.50	797.50	0.23
14	7.00	799.00	0.19
15	7.50	800.40	0.17
16	8.00	801.40	0.12
17	8.50	802.40	0.12
18	9.00	803.40	0.12
19	9.50	804.20	0.10
20	10.00	804.90	0.09
21	10.50	805.70	0.10
22	11.00	806.30	0.07

USER INPUT BLANK VALUE
BLANK VALUE = 28.93642 micrograms carbon
BLANK FACTOR = 28.93642 / 11.00244 = +2.6E+00 ug/min Carbon

SAMPLE RESULTS:
(806.3 - 28.92936)(1)/(1) = +7.774E+02 g/L Carbon
(806.3 - 28.92936)(1)/(1)(12) = +6.478E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: PJ McCown 6/2/96
PJ MCCOWN 00000

.1584g
.100ml
+ .100ml 24N12A

$\frac{806.30}{\frac{498.10}{.100} * .100 + 300}$ $\frac{806.30}{798.10}$
= 101.032

881

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0 WHC-SD-WM-DP-184, REV. 1

Sample: S96T002034 Date: 06/01/96 Time: 23:18:34

Sample Size = 1 uL .100ml
Dil Factor = 1
Blank ID # =
Blank Value = .61 ug/minute C

Analyst : PJ MCCOWN
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	8.30	71.08
4	2.01	15.60	46.79
5	2.51	21.50	27.44
6	3.01	25.70	16.34
7	3.51	28.10	8.54
8	4.00	29.40	4.42
9	4.50	30.20	2.65
10	5.00	30.80	1.95
11	5.50	31.30	1.60
12	6.00	31.70	1.26
13	6.50	32.20	1.55
14	7.00	32.70	1.53
15	7.50	33.10	1.21
16	8.00	33.50	1.19
17	8.50	34.00	1.47
18	9.00	34.30	0.87
19	9.50	34.70	1.15
20	10.00	35.20	1.42
21	10.50	35.50	0.85
22	11.00	36.10	1.66

USER INPUT BLANK VALUE
BLANK VALUE = 6.711489 micrograms carbon
BLANK FACTOR = 6.711489 / 11.00244 = +6.1E-01 ug/min Carbon

SAMPLE RESULTS:
(36.1 - 6.710372)(1)/(1) = +2.94E+01 g/L Carbon
(36.1 - 6.710372)(1)/(1)(12) = +2.45E+00 Molar Carbon

Sample Run By: PJ McCown 6/29/96
PJ MCCOWN 00000

.0992g
.100mL

$\frac{29.4}{.100ml} = 2.9482$

882

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. 1

Sample: S96T002034 Date: 06/01/96 Time: 23:32:41

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.63 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.30	0.00
2	1.01	1.10	72.73
3	1.51	7.60	85.53
4	2.00	27.00	71.85
5	2.50	46.20	41.56
6	3.00	58.50	21.03
7	3.50	66.90	12.56
8	4.00	72.80	8.10
9	4.50	77.40	5.94
10	5.00	80.80	4.21
11	5.50	83.10	2.77
12	6.00	85.10	2.35
13	6.50	86.70	1.85
14	7.00	88.00	1.48
15	7.50	89.30	1.46
16	8.00	90.30	1.11
17	8.50	91.10	0.88
18	9.00	91.80	0.76
19	9.50	92.50	0.76
20	10.00	93.10	0.64
21	10.50	93.70	0.64
22	11.00	94.30	0.64

USER INPUT BLANK VALUE
BLANK VALUE = 28.93642 micrograms carbon
BLANK FACTOR = 28.93642 / 11.00244 = +2.6E+00 ug/min Carbon

SAMPLE RESULTS:
(94.3 - 28.92968)(1)/(1) = +6.54E+01 g/L Carbon
(94.3 - 28.92968)(1)/(1)(12) = +5.45E+00 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: PJ McCown 6/2/96
PJ MCCOWN 00000

.0992g
.100mL

65.4 / .100mL ~ 654.2

883

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. I

Sample: S96T002034DUP Date: 06/01/96 Time: 23:47:11

Sample Size = 1 uL .100ml
Dil Factor = 1
Blank ID # =
Blank Value = .61 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.40	0.00
2	1.01	2.70	85.19
3	1.51	8.90	69.66
4	2.00	16.10	44.72
5	2.50	22.10	27.15
6	3.00	25.70	14.01
7	3.50	27.70	7.22
8	4.00	28.80	3.82
9	4.50	29.30	1.71
10	5.00	29.80	1.68
11	5.50	30.20	1.32
12	6.00	30.50	0.98
13	6.50	30.90	1.29
14	7.00	31.20	0.96
15	7.50	31.60	1.27
16	8.00	31.90	0.94
17	8.50	32.30	1.24
18	9.00	32.50	0.62
19	9.50	32.80	0.91
20	10.00	33.20	1.20
21	10.50	33.50	0.90
22	11.00	33.80	0.89

USER INPUT BLANK VALUE
BLANK VALUE = 6.711489 micrograms carbon
BLANK FACTOR = 6.711489 / 11.00244 = +6.1E-01 ug/min Carbon

SAMPLE RESULTS:
(33.8 - 6.709851)(1)/(1) = +2.71E+01 g/L Carbon
(33.8 - 6.709851)(1)/(1)(12) = +2.26E+00 Molar Carbon

Sample Run By: PJ McCown 6/2/96
PJ MCCOWN 00000

.1005 g
.100ml

27.1 / .100ml = 2.71E2

884

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. 1

Sample: S96T002034DUP Date: 06/02/96 Time: 01:10:47

Sample Size = 1 uL .100ml
Dil Factor = 1
Blank ID # =
Blank Value = 2.63 ug/minute C

Analyst : PJ MCCOWN
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	6.80	100.00
4	2.00	28.10	75.80
5	2.50	49.70	43.46
6	3.00	62.90	20.99
7	3.50	70.90	11.28
8	4.00	76.30	7.08
9	4.50	80.20	4.86
10	5.00	83.30	3.72
11	5.50	85.90	3.03
12	6.00	88.20	2.61
13	6.50	90.00	2.00
14	7.00	91.30	1.42
15	7.50	92.50	1.30
16	8.00	93.70	1.28
17	8.50	94.70	1.06
18	9.00	95.40	0.73
19	9.50	96.30	0.93
20	10.00	97.00	0.72
21	10.50	97.80	0.82
22	11.00	98.30	0.51

USER INPUT BLANK VALUE
BLANK VALUE = 28.93642 micrograms carbon
BLANK FACTOR = 28.93642 / 11.00244 = +2.6E+00 ug/min Carbon

SAMPLE RESULTS:
(98.3 - 28.92904)(1)/(1) = +6.94E+01 g/L Carbon
(98.3 - 28.92904)(1)/(1)(12) = +5.78E+00 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: PJ McCown 6/2/96
PJ MCCOWN 00000

.1005g
.100mL

$\frac{69.4}{.100mL} = 6.94E2$

worklistrpt Version 2.1 05/15/95
03/20/96 12:49

LABCORE Data Entry Template for Worklist# 6777

Analyst: JL62 **Instrument:** CARB2 **Book #** 22N12B TIC 24N12A TOC

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

Worklist Comment: U-107 TICTOC. RCJ

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				@TICTOC1 TIC-02	SOLID	1	1.6	N/A	ug/g
		1	BLNK				@TICTOC1 TOC-02	SOLID	1	2.7	N/A	ug/g
		2	STD				@TICTOC1 TIC-02	SOLID	6.02E2	6.00E2	N/A	ug/g
		2	STD				@TICTOC1 TOC-02	SOLID	3.00E3	2.82E3	N/A	ug/g
96000085	U-107	3	SAMPLE	S96T001159	0		@TICTOC1 TIC-02	SOLID	N/A	2.41E3	5.00	ug/g
96000085	U-107	3	SAMPLE	S96T001159	0		@TICTOC1 TOC-02	SOLID	N/A	1.86E3	40.00	ug/g
96000085	U-107	4	DUP	S96T001159	0		@TICTOC1 TIC-02	SOLID	2.41E3	2.80E3	N/A	ug/g
96000085	U-107	4	DUP	S96T001159	0		@TICTOC1 TOC-02	SOLID	1.86E3	2.06E3	N/A	ug/g
96000085	U-107	5	SPK	S96T001159	0		@TICTOC1 TIC-02	SOLID	100	98	N/A	ug/g
96000085	U-107	5	SPK	S96T001159	0		@TICTOC1 TOC-02	SOLID	100	101	N/A	ug/g

Final page for worklist # 6777

Jackie Steele 5/29/96
Analyst Signature **Date**

Linda Conlin 6-1-96
Analyst Signature **Date**

Approved RW Schwede 6/3/96

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

TIC TOC REV 2.0

<<< BLANK ANALYSIS >>>

Sample: BASELINE Date 05/29/96 Time: 08:17:45

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	1.30	100.00
3	1.51	1.90	31.58
4	2.01	2.40	20.83
5	2.50	2.60	7.69
6	3.00	2.90	10.34
7	3.50	3.00	3.33
8	4.00	3.30	9.09
9	4.50	3.50	5.71
10	5.00	3.60	2.78
11	5.50	3.90	7.69
12	6.00	4.10	4.88
13	6.50	4.40	6.82
14	7.00	4.60	4.35
15	7.50	4.80	4.17
16	8.00	5.00	4.00
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	6.30	4.76
22	11.00	6.40	1.56

BLANK VALUE = 6.4 micrograms carbon
BLANK FACTOR = 6.4 / 10.99966 = +5.8E-01 ug/min Carbon

Sample Run By: Jackie Steele 5/29/96
JL STEELE 00000

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

Sample: BASELINE Date: 05/29/96 Time: 08:34:26

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	0.80	75.00
3	1.51	2.10	61.90
4	2.00	5.40	61.11
5	2.50	10.00	46.00
6	3.01	13.70	27.01
7	3.51	15.60	12.18
8	4.01	16.70	6.59
9	4.50	17.30	3.47
10	5.00	18.00	3.89
11	5.50	18.40	2.17
12	6.00	18.60	1.08
13	6.50	19.00	2.11
14	7.00	19.40	2.06
15	7.50	19.70	1.52
16	8.00	20.00	1.50
17	8.50	20.30	1.48
18	9.00	20.80	2.40
19	9.50	21.00	0.95
20	10.00	21.30	1.41
21	10.50	21.50	0.93
22	11.00	22.00	2.27

BLANK VALUE = 22 micrograms carbon
BLANK FACTOR = 22 / 11.0025 = +2.00E+00 ug/min Carbon

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

Sample Run By: Jackie Steele 5/29/96
JL STEELE 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 22N12B Date: 05/29/96 Time: 08:48:15

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	0.20	0.00
2	1.01	23.40	99.15
3	1.51	165.90	85.90
4	2.00	328.10	49.44
5	2.50	449.80	27.06
6	3.00	524.00	14.16
7	3.50	568.00	7.75
8	4.00	588.00	3.40
9	4.50	596.50	1.42
10	5.00	600.20	0.62
11	5.50	601.70	0.25
12	6.00	602.60	0.15
13	6.50	603.10	0.08
14	7.00	603.70	0.10
15	7.50	604.00	0.05
16	8.00	604.40	0.07
17	8.50	604.70	0.05
18	9.00	605.10	0.07
19	9.50	605.40	0.05
20	10.00	605.70	0.05
21	10.50	606.10	0.07
22	11.00	606.30	0.03

USER INPUT BLANK VALUE
BLANK VALUE = 6.381451 micrograms carbon
BLANK FACTOR = 6.381451 / 11.0025 = +5.8E-01 ug/min Carbon

SAMPLE RESULTS:
(606.3 - 6.379823)(1)/(1) = +5.999E+02 g/L Carbon
(606.3 - 6.379823)(1)/(1)(12) = +4.999E+01 Molar Carbon

Sample Run By: Jackie Steele 5/29/96
JL STEELE 00000

$\frac{599.9}{602} = 99.65\%$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: STD 24N12A Date: 05/29/96 Time: 09:03:30

Sample Size = 1 uL .200 ml
Dil Factor = 1
Blank ID # =
Blank Value = 2 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	2.80	89.29
3	1.51	33.50	91.64
4	2.00	168.10	80.07
5	2.50	364.50	53.88
6	3.00	491.10	25.78
7	3.50	549.10	10.56
8	4.00	570.70	3.78
9	4.50	577.20	1.13
10	5.00	579.70	0.43
11	5.50	581.00	0.22
12	6.00	581.90	0.15
13	6.50	582.30	0.07
14	7.00	582.90	0.10
15	7.50	583.40	0.09
16	8.00	583.80	0.07
17	8.50	584.20	0.07
18	9.00	584.70	0.09
19	9.50	585.00	0.05
20	10.00	585.20	0.03
21	10.50	585.60	0.07
22	11.00	585.90	0.05

USER INPUT BLANK VALUE
BLANK VALUE = 22.005 micrograms carbon
BLANK FACTOR = 22.005 / 11.0025 = +2.0E+00 ug/min Carbon

SAMPLE RESULTS:
(585.9 - 21.99768)(1)/(1) = +5.639E+02 g/L Carbon
(585.9 - 21.99768)(1)/(1)(12) = +4.699E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 5/29/96
JL STEELE 00000

$\frac{563.9}{.200ml} = \frac{2819.5}{3.00^{E3}} = 93.98$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 05/29/96 Time: 09:15:39

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	0.20	0.00
2	1.01	2.00	90.00
3	1.50	2.80	28.57
4	2.01	3.50	20.00
5	2.50	3.70	5.41
6	3.00	4.10	9.76
7	3.50	4.30	4.65
8	4.00	4.70	8.51
9	4.50	4.80	2.08
10	5.00	5.20	7.69
11	5.50	5.40	3.70
12	6.00	5.70	5.26
13	6.50	5.90	3.39
14	7.00	6.20	4.84
15	7.50	6.40	3.13
16	8.00	6.60	3.03
17	8.50	6.80	2.94
18	9.00	7.10	4.23
19	9.50	7.30	2.74
20	10.00	7.50	2.67
21	10.50	7.80	3.85
22	11.00	8.00	2.50

USER INPUT BLANK VALUE
BLANK VALUE = 6.381451 micrograms carbon
BLANK FACTOR = 6.381451 / 11.0025 = +5.8E-01 ug/min Carbon

SAMPLE RESULTS:
(8 - 6.379823)(1)/(1) = +1.6E+00 g/L Carbon
(8 - 6.379823)(1)/(1)(12) = +1.4E-01 Molar Carbon

Sample Run By: Jeanne Steele 5/29/96
JL STEELE 00000

| 8.00 - 6.40 | = 1.6

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: BLANK Date: 05/29/96 Time: 09:33:29

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2 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	1.70	82.35
3	1.50	5.90	71.19
4	2.00	10.00	41.00
5	2.50	12.90	22.48
6	3.00	14.20	9.15
7	3.50	14.90	4.70
8	4.00	15.30	2.61
9	4.50	15.70	2.55
10	5.00	16.00	1.88
11	5.50	16.50	3.03
12	6.00	16.70	1.20
13	6.50	17.00	1.76
14	7.00	17.20	1.16
15	7.50	17.50	1.71
16	8.00	17.70	1.13
17	8.50	18.00	1.67
18	9.00	18.20	1.10
19	9.50	18.50	1.62
20	10.00	18.80	1.60
21	10.50	19.00	1.05
22	11.00	19.30	1.55

USER INPUT BLANK VALUE
BLANK VALUE = 22.005 micrograms carbon
BLANK FACTOR = 22.005 / 11.0025 = +2.0E+00 ug/min Carbon

SAMPLE RESULTS:
(19.3 - 22.00134)(1)/(1) = < 5.00 E-3 g/L Carbon
(19.3 - 22.00134)(1)/(1)(12) = < 4.17 E-4 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jerry Steele 5/29/96
JL STEELE 00000

|19.30 − 22.00| = 2.7

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1159 Date: 05/29/96 Time: 13:32:36

Sample Size = 1 uL .1917g
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	1.01	23.00	99.13
3	1.51	130.60	82.39
4	2.00	243.40	46.34
5	2.51	321.40	24.27
6	3.00	373.20	13.88
7	3.50	404.90	7.83
8	4.00	420.50	3.71
9	4.50	431.10	2.46
10	5.00	439.10	1.82
11	5.50	444.80	1.28
12	6.00	448.50	0.82
13	6.50	451.70	0.71
14	7.00	454.00	0.51
15	7.50	456.20	0.48
16	8.00	458.10	0.41
17	8.50	460.00	0.41
18	9.00	461.60	0.35
19	9.50	463.00	0.30
20	10.00	464.80	0.39
21	10.50	466.20	0.30
22	11.00	468.00	0.38

USER INPUT BLANK VALUE
BLANK VALUE = 6.381451 micrograms carbon
BLANK FACTOR = 6.381451 / 11.0025 = +5.8E-01 ug/min Carbon

SAMPLE RESULTS:
(468 - 6.380389)(1)/(1) = +4.616E+02 g/L Carbon
(468 - 6.380389)(1)/(1)(12) = +3.847E+01 Molar Carbon

Sample Run By: Jayne Steele 5/29/96
JL STEELE 00000

$\frac{461.6}{.1917} = 2.408^{E3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1159 Date: 05/29/96 Time: 13:44:32

Sample Size = 1 uL .1917g
Dil Factor = 1
Blank ID # =
Blank Value = 2 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	1.00	33.20	93.67
3	1.50	109.00	69.54
4	2.00	204.60	46.73
5	2.50	279.70	26.85
6	3.00	325.70	14.12
7	3.50	345.90	5.84
8	4.00	354.90	2.54
9	4.50	359.70	1.33
10	5.00	363.10	0.94
11	5.50	365.60	0.68
12	6.00	367.80	0.60
13	6.50	369.70	0.51
14	7.00	371.50	0.48
15	7.50	372.80	0.35
16	8.00	374.00	0.32
17	8.50	375.20	0.32
18	9.00	375.90	0.19
19	9.50	376.90	0.27
20	10.00	377.70	0.21
21	10.50	378.50	0.21
22	11.00	379.30	0.21

USER INPUT BLANK VALUE
BLANK VALUE = 22.005 micrograms carbon
BLANK FACTOR = 22.005 / 11.0025 = +2.0E+00 ug/min Carbon

SAMPLE RESULTS:
(379.3 - 21.99768)(1)/(1) = +3.573E+02 g/L Carbon
(379.3 - 21.99768)(1)/(1)(12) = +2.978E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jeanne Steele 5/29/96
JL STEELE 00000

$\frac{357.3}{.1917g} = 1.864E3$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1159 DUP Date: 05/29/96 Time: 13:56:25

Sample Size = 1 uL .1376g
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	18.50	97.30
3	1.50	107.30	82.76
4	2.00	201.80	46.83
5	2.50	272.30	25.89
6	3.00	319.20	14.69
7	3.50	346.70	7.93
8	4.00	360.30	3.77
9	4.50	366.90	1.80
10	5.00	371.20	1.16
11	5.50	374.30	0.83
12	6.00	376.70	0.64
13	6.50	378.80	0.55
14	7.00	380.80	0.53
15	7.50	382.70	0.50
16	8.00	384.10	0.36
17	8.50	385.60	0.39
18	9.00	386.90	0.34
19	9.50	388.40	0.39
20	10.00	389.40	0.26
21	10.50	390.60	0.31
22	11.00	391.70	0.28

USER INPUT BLANK VALUE
BLANK VALUE = 6.381451 micrograms carbon
BLANK FACTOR = 6.381451 / 11.0025 = +5.8E-01 ug/min Carbon

SAMPLE RESULTS:
(391.7 - 6.379327)(1)/(1) = +3.853E+02 g/L Carbon
(391.7 - 6.379327)(1)/(1)(12) = +3.211E+01 Molar Carbon

Sample Run By: Jackie Steele 5/29/96
JL STEELE 00000

$\frac{385.3}{.1376g} = 2.800^{E3}$

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

Sample: 1159 DUP Date: 05/29/96 Time: 14:09:19

Sample Size = 1 uL .1376g
Dil Factor = 1
Blank ID # =
Blank Value = 2 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	14.30	92.31
3	1.51	68.50	79.12
4	2.01	146.10	53.11
5	2.51	212.60	31.28
6	3.01	254.80	16.56
7	3.51	275.10	7.38
8	4.01	283.60	3.00
9	4.50	287.90	1.49
10	5.00	291.00	1.07
11	5.50	293.10	0.72
12	6.00	295.10	0.68
13	6.50	296.50	0.47
14	7.00	297.90	0.47
15	7.50	299.00	0.37
16	8.00	300.20	0.40
17	8.50	301.40	0.40
18	9.00	302.40	0.33
19	9.50	303.30	0.30
20	10.00	303.90	0.20
21	10.50	304.60	0.23
22	11.00	305.50	0.29

USER INPUT BLANK VALUE
BLANK VALUE = 22.005 micrograms carbon
BLANK FACTOR = 22.005 / 11.0025 = +2.0E+00 ug/min Carbon

SAMPLE RESULTS:
(305.5 - 22.0033)(1)/(1) = +2.835E+02 g/L Carbon
(305.5 - 22.0033)(1)/(1)(12) = +2.362E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jackie Steele 5/29/96
JL STEELE 00000

$\frac{283.5}{.1376} = 2.060^{E3}$

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0 WHC-SD-WM-DP-184, REV. 1

Sample: 1159 SPIKE Date: 05/29/96 Time: 14:21:46

Sample Size = 1 uL .13579 +
Dil Factor = 1 .500ml 22N12B
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	0.40	0.00
2	1.01	21.70	98.16
3	1.51	158.00	86.27
4	2.00	328.00	51.83
5	2.50	443.40	26.03
6	3.00	516.90	14.22
7	3.50	562.70	8.14
8	4.00	586.80	4.11
9	4.50	596.20	1.58
10	5.00	601.10	0.82
11	5.50	603.80	0.45
12	6.00	606.20	0.40
13	6.50	608.60	0.39
14	7.00	610.30	0.28
15	7.50	612.20	0.31
16	8.00	613.80	0.26
17	8.50	615.30	0.24
18	9.00	616.70	0.23
19	9.50	618.10	0.23
20	10.00	619.30	0.19
21	10.50	620.40	0.18
22	11.00	621.50	0.18

USER INPUT BLANK VALUE
BLANK VALUE = 6.381451 micrograms carbon
BLANK FACTOR = 6.381451 / 11.0025 = +5.8E-01 ug/min Carbon

SAMPLE RESULTS:
(621.5 - 6.379327)(1)/(1) = +6.151E+02 g/L Carbon
(621.5 - 6.379327)(1)/(1)(12) = +5.126E+01 Molar Carbon

Sample Run By: Jacque Steele 5/29/96
JL STEELE 00000

$$\frac{621.50}{\frac{468.00}{.1917} \times .1357 + 300} = \frac{621.50}{631.29} = 98.45\%$$

897

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
WHC-SD-WM-DP-184, REV. 1

Sample: 1159 SPIKE Date: 05/29/96 Time: 14:33:51

Sample Size = 1 uL .1357g + .100ml 24N12A
Dil Factor = 1
Blank ID # =
Blank Value = 2 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	24.20	93.80
3	1.50	97.70	75.23
4	2.00	256.50	61.91
5	2.50	414.50	38.12
6	3.00	492.40	15.82
7	3.50	531.80	7.41
8	4.00	547.70	2.90
9	4.50	554.10	1.16
10	5.00	557.30	0.57
11	5.50	559.50	0.39
12	6.00	561.50	0.36
13	6.50	563.00	0.27
14	7.00	564.30	0.23
15	7.50	565.50	0.21
16	8.00	566.80	0.23
17	8.50	567.80	0.18
18	9.00	568.70	0.16
19	9.50	569.60	0.16
20	10.00	570.30	0.12
21	10.50	571.10	0.14
22	11.00	571.80	0.12

USER INPUT BLANK VALUE
BLANK VALUE = 22.005 micrograms carbon
BLANK FACTOR = 22.005 / 11.0025 = +2.0E+00 ug/min Carbon

SAMPLE RESULTS:
(571.8 - 22.00122)(1)/(1) = +5.498E+02 g/L Carbon
(571.8 - 22.00122)(1)/(1)(12) = +4.582E+01 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: Jacme Steele 5/29/96
JL STEELE 00000

$$\frac{571.80}{\frac{379.30}{.1917} * .1357 + 300} = \frac{571.80}{568.50} = 100.58\%$$

893

LABCORE Data Entry Template for Worklist# 7583

Analyst: PJM **Instrument:** CARB2 _____ **Book#** 22 N 12 B
24 N 12 A

Method: LA-342-100 Rev/Mod D-0 WHC-SD-WM-DP-184, REV. 1

Worklist Comment: U-107 TICTOC. RTS!

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	BLNK				@TICTOC1	LIQUID		
2	STD				@TICTOC1	LIQUID		
3	SAMPLE	S96T001119	0		@TICTOC1	LIQUID	96000126	U-107
	Analytes Requested:				TIC-02 , TOC-02			
4	DUP	S96T001119	0		@TICTOC1	LIQUID		
5	SPK	S96T001119	0		@TICTOC1	LIQUID		
6	SAMPLE	S96T001120	0		@TICTOC1	LIQUID	96000126	U-107
	Analytes Requested:				TIC-02 , TOC-02			
7	DUP	S96T001120	0		@TICTOC1	LIQUID		
8	TRIPL	S96T001120	0		@TICTOC1	LIQUID		
9	SAMPLE	S96T001121	0		@TICTOC1	LIQUID	96000126	U-107
	Analytes Requested:				TIC-02 , TOC-02			
10	DUP	S96T001121	0		@TICTOC1	LIQUID		

Final page for worklist # 7583

Analyst Signature **Date**

Analyst Signature **Date**

Data Entry Comments:

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

LABCORE Completed Worklist Report for Worklist# 7583

Analyst: pjm **Instrument:** CARB2 **Book#** _____

Method: _____ Rev/Mod _____

Worklist Comment: U-107 TICTOC. RTS!

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
1	BLNK			0	@TICTOC1 TIC-02	LIQUID	1	8.00E-1	0.800	ug/mL
1	BLNK			0	@TICTOC1 TOC-02	LIQUID	1	6.20E+0	6.200	ug/mL
2	STD			0	@TICTOC1 TIC-02	LIQUID	6.02E+02	5.87E+2	97.508	% Recovery
2	STD			0	@TICTOC1 TOC-02	LIQUID	3.00E+03	2.65E+3	88.333	% Recovery
3	SAMPLE	S96T001119		0	@TICTOC1 TIC-02	LIQUID	N/A	2.17E+03	5.000	ug/mL
3	SAMPLE	S96T001119		0	@TICTOC1 TOC-02	LIQUID	N/A	3.67E+03	40.000	ug/mL
4	DUP	S96T001119		0	@TICTOC1 TIC-02	LIQUID	2.17E+3	2.29E+3	5.381	RPD
4	DUP	S96T001119		0	@TICTOC1 TOC-02	LIQUID	3.67E+3	3.71E+3	1.084	RPD
5	SPK	S96T001119		0	@TICTOC1 TIC-02	LIQUID	1.00E+02	1.02E+02	102.000	% Recovery
5	SPK	S96T001119		0	@TICTOC1 TOC-02	LIQUID	1.00E+02	9.30E+01	93.000	% Recovery
6	SAMPLE	S96T001120		0	@TICTOC1 TIC-02	LIQUID	N/A	8.74E+02	5.000	ug/mL
6	SAMPLE	S96T001120		0	@TICTOC1 TOC-02	LIQUID	N/A	1.92E+03	40.000	ug/mL
7	DUP	S96T001120		0	@TICTOC1 TIC-02	LIQUID	8.74E+2	4.37E+2	66.667	RPD
7	DUP	S96T001120		0	@TICTOC1 TOC-02	LIQUID	1.92E+3	1.66E+3	14.525	RPD
8	TRIPL	S96T001120		0	@TICTOC1 TIC-02	LIQUID	8.74E+2	4.58E+2	62.462	RPD
8	TRIPL	S96T001120		0	@TICTOC1 TOC-02	LIQUID	1.92E+3	1.41E+3	30.631	RPD
9	SAMPLE	S96T001121		0	@TICTOC1 TIC-02	LIQUID	N/A	1.89E+02	5.000	ug/mL
9	SAMPLE	S96T001121		0	@TICTOC1 TOC-02	LIQUID	N/A	1.17E+03	40.000	ug/mL
10	DUP	S96T001121		0	@TICTOC1 TIC-02	LIQUID	1.89E+2	2.33E+2	20.853	RPD
10	DUP	S96T001121		0	@TICTOC1 TOC-02	LIQUID	1.17E+3	9.08E+2	25.217	RPD

Final page for worklist# 7583

[signature] 6-11-96
Analyst Signature **Date**

Analyst Signature **Date**

Robert W. Schroeder 6/12/96
Reviewer Signature **Date**

Sample S96T001121 rejected. RWS 6/12/96

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

WORKBOOK PAGE: BLANK1

TIC/TOC : LA-342-100 (C-0) LIQUIDS

			TIC	TOC
	Sample Size in mL	(SS)	0.0000	0.0000
BLNK	Dilution Factor	(DF)	1	1
	µg of Carbon in Sample	(C1)	4.6	24
7583	µg of Carbon from Baseline	(C2)	5.4	30.2

@TICTOC1

LIQUID

96003387

µg of Carbon = |C1-C2|

0

N/A

BLNK

CARB2

RTS

RWS

PJM

06/11/96

06/11/96

		TIC	TOC
	Method Detection Limit in µg/mL	5	40
	µg of Carbon	8.00E-01	6.20E+00

U-107

Data Entered By:	RTS	Date:	06/11/96
Signature of Chemist:	RW Schroeder	Date:	6/12/96

BLANK.WB1 REV 1.0 342100ML

WORKBOOK PAGE: STD2

TIC/TOC : LA-342-100 (C-0) LIQUIDS

			TIC	TOC
	Sample Size in mL	(SS)	1.0000	0.2000
STD	Dilution Factor	(DF)	1	1
	Final Coulometer Reading in µg	(C1)	592.6	560.6
7583	µg of Carbon from Baseline	(C2)	5.4	30.2
	Standard Book Number		22N12B	24N12A
@TICTOC1	Standard Value (µg/ml)		602	3000

Matrix
LIQUID

Standard Number
96003387

Dilution
0

Sample Point
N/A

Sample
STD

Instrument
CARB2

Prepared By
RTS

Chemist
RWS

Analyst
PJM

Date Completed
06/11/96

Analysis Date
06/11/96

QC Actual in µg/mL = Standard Value (µg/mL)

QC Found in µg/mL = (C1 - C2) * DF / SS

QC Found in µg/mL for TIC = 5 if C1 < C2

QC Found in µg/mL for TOC = 40 if C1 < C2

% Recovery = QC Found / QC Actual * 100

		TIC	TOC
Analysis Time	Method Detection Limit in µg/mL	5	40
	QC Actual in µg/mL	6.02E+02	3.00E+03
Sample Point	QC Found in µg/mL	5.87E+02	2.65E+03
U-107	Percent Standard Recovery	97.5	88.4

Data Entered By:	RTS	Date:	06/11/96
Signature of Chemist:	RW Schroeder	Date:	6/12/96

STANDARD.WB1 REV 1.0 342100ML

WORKBOOK PAGE: SAM3

TIC/TOC : LA-342-100 (C-0) LIQUIDS

			TIC	TOC
Sample ID	Sample Size in mL	(SS)	0.1451	0.1451
SAMPLE	Dilution Factor	(DF)	1	1
Workbook	µg of Carbon in Sample	(C1)	320.2	563.3
7583	µg of Carbon from Baseline	(C2)	5.4	30.2
Test Code				
@TICTOC1				

Matrix
LIQUID

Batch Number
96003387

Replicate
0

Sample Prep
N/A

Sample #
S96T001119

Instrument Code
CARB2

Prepared by
RTS

Chemist
RWS

Analyst
PJM

Date Complete
06/11/96

Analysis Date
06/11/96

µg of Carbon/mL = (C1-C2) * DF / SS
µg of Carbon/mL for TIC = 5 if C1 < C2
µg of Carbon/mL for TOC = 40 if C1 < C2

		TIC	TOC
Analysis Time	Method Detection Limit in µg/mL	5	40
Sample Point	µg of Carbon/mL	2.17E+03	3.67E+03
U-107			

Data Entered By:	RTS	Date:	06/11/96
Signature of Chemist:	RW Schroeder	Date:	6/12/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: DUP4

TIC/TOC : LA-342-100 (C-0) LIQUIDS

			TIC	TOC
	Sample Size in mL	(SS)	0.1390	0.1390
DUP	Dilution Factor	(DF)	1	1
	µg of Carbon in Sample	(C1)	323.7	546.3
7583	µg of Carbon from Baseline	(C2)	5.4	30.2
	Known µg of C from Original Sample		2.17E+3	3.67E+3
@TICTOC1				

LIQUID

96003387

0

N/A

S96T001119

CARB2

RTS

RWS

PJM

06/11/96

06/11/96

µg of Carbon/mL = (C1-C2) * DF / SS
µg of Carbon/mL for TIC = 5 if C1 < C2
µg of Carbon/mL for TOC = 40 if C1 < C2

RPD (of Sample and Dup Results) = | Difference | / Average

		TIC	TOC
	Method Detection Limit in µg/mL	5	40
	µg of Carbon/mL	2.29E+03	3.71E+03
U-107	RPD (of Sam and Dup Results)	5.4%	1.2%

Data Entered By:	RTS	Date:	06/11/96
Signature of Chemist:	RW Schroeder	Date:	6/12/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: SPIKE5

TIC/TOC : LA-342-100 (C-0) LIQUIDS

Type	Sample Vial Data		TIC	TOC
SPK	Sample Volume in mL	(SS)	0.1451	0.1451
Work Lot	Final Coulometer Reading in µg	(C1)	320.2	563.3
7583	**Spiked Vial Data**			
Test Code	Sample Volume in mL	(SPK SS)	0.1439	0.1439
@TICTOC1	Amount of Spike Std. in mL	(SPK VOL)	0.500	0.100
Matrix	Final Coulometer Reading in µg	(C3)	630.4	798.9
LIQUID	Spike Book Number		22N12B	24N12A
Batch Number	Spike Standard Value in µg/ml		602	3000
96003387	Spike Concentration in µg	(SPK CONC)	301	300

Rerun
0
Sample Prep
N/A
Sample
S96T001119
Instrument Code
CARB2
Prepared By
RTS
Chemist
RWS
Analyst
PJM
Date Complete
06/11/96
Analysis Date
06/11/96
Analysis Time
Sample Point
U-107

Spike Concentration in µg = (Spike Std. Value in µg/mL)*(SPK VOL)

Percent Spike Recovery = (C3) / [(C1/SS * SPK SS) + (SPK CONC)] * 100

QC Actual in µg/mL = Spike Value (µg/mL)
QC Found in µg/mL = (Percent Spike Recovery)*(QC Actual) / 100

	TIC	TOC
QC Actual in µg/mL	6.02E+02	3.00E+03
QC Found in µg/mL	6.14E+02	2.79E+03
Percent Spike Recovery	101.9	93.0

RW Schroeck 6/12/96

WORKBOOK PAGE: SAM6

TIC/TOC : LA-342-100 (C-0) LIQUIDS

			TIC	TOC
[illegible]	Sample Size in mL	(SS)	0.1063	0.1063
SAMPLE	Dilution Factor	(DF)	1	1
[illegible]	µg of Carbon in Sample	(C1)	98.3	234.1
7583	µg of Carbon from Baseline	(C2)	5.4	30.2
[illegible]				
@TICTOC1				

[illegible]	
LIQUID	
[illegible]	
96003387	
[illegible]	µg of Carbon/mL = (C1-C2) * DF / SS
0	µg of Carbon/mL for TIC = 5 if C1 < C2
[illegible]	µg of Carbon/mL for TOC = 40 if C1 < C2
N/A	
[illegible]	
S96T001120	
[illegible]	
CARB2	
[illegible]	
RTS	
[illegible]	
RWS	
[illegible]	
PJM	
[illegible]	
06/11/96	
[illegible]	
06/11/96	

		TIC	TOC
[illegible]	Method Detection Limit in µg/mL	5	40
[illegible]	µg of Carbon/mL	8.74E+02	1.92E+03
U-107			

Data Entered By:	RTS	Date:	06/11/96
Signature of Chemist:	RW Schroeder	Date:	6/12/96

SAMPLE.WB1 REV 1.0 342100ML

I:\342100\OUT\TI7583.WB1 06/11/96 13:27:32

WORKBOOK PAGE: DUP7

TIC/TOC : LA-342-100 (C-0) LIQUIDS

			TIC	TOC
Type	Sample Size in mL	(SS)	0.1065	0.1065
DUP	Dilution Factor	(DF)	1	1
Work Order	µg of Carbon in Sample	(C1)	51.9	207.2
7583	µg of Carbon from Baseline	(C2)	5.4	30.2
Test Code	Known µg of C from Original Sample		8.74E+2	1.92E+3
@TICTOC1				

Matrix: LIQUID

Batch Number: 96003387

Dilution: 0

Sample Prep: N/A

Sample Number: S96T001120

Instrument Code: CARB2

Prepared By: RTS

Chemist: RWS

Analyst: PJM

Date Complete: 06/11/96

Analysis Date: 06/11/96

µg of Carbon/mL = (C1-C2) * DF / SS
µg of Carbon/mL for TIC = 5 if C1 < C2
µg of Carbon/mL for TOC = 40 if C1 < C2

RPD (of Sample and Dup Results) = | Difference | / Average

		TIC	TOC
Analysis Time	Method Detection Limit in µg/mL	5	40
Sample Point	µg of Carbon/mL	4.37E+02	1.66E+03
U-107	RPD (of Sam and Dup Results)	66.7%	14.4%

Data Entered By:	RTS	Date:	06/11/96
Signature of Chemist:	Ru Schneider	Date:	6/12/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: TRIPL8

TIC/TOC : LA-342-100 (C-0) LIQUIDS

			TIC	TOC
Type	Sample Size in mL	(SS)	0.1041	0.1041
TRIPL	Dilution Factor	(DF)	1	1
Work	µg of Carbon in Sample	(C1)	53.1	177.4
7583	µg of Carbon from Baseline	(C2)	5.4	30.2
Spike	Known µg of C from Original Sample		8.74E+2	1.92E+3
@TICTOC1	Duplicate Result		4.37E+2	1.66E+3

Matrix: LIQUID

Batch Number: 96003387

Report: 0

Sample Prep: N/A

Sample: S96T001120

Instrument Code: CARB2

Prepared By: RTS

Chemist: RWS

Analyst: PJM

Date Complete: 06/11/96

Analysis Date: 06/11/96

µg of Carbon/mL = (C1-C2) * DF / SS
µg of Carbon/mL for TIC = 5 if C1 < C2
µg of Carbon/mL for TOC = 40 if C1 < C2

RSD (of Sam, Dup, and Tripl Results) = Standard Deviation / Average

		TIC	TOC
Analysis Time	Method Detection Limit in µg/mL	5	40
Sample Points	µg of Carbon/mL	4.58E+02	1.41E+03
U-107	RSD (of Sam, Dup, and Tripl Results)	0.4178	0.1520

Data Entered By:	RTS	Date:	06/11/96
Signature of Chemist:	RW Schroeder	Date:	6/12/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: SAM9

TIC/TOC : LA-342-100 (C-0) LIQUIDS

			TIC	TOC
Type	Sample Size in mL	(SS)	0.1062	0.1062
SAMPLE	Dilution Factor	(DF)	1	1
Worksheet	µg of Carbon in Sample	(C1)	25.5	154
7583	µg of Carbon from Baseline	(C2)	5.4	30.2
Instrument				
@TICTOC1				

Units
LIQUID

Batch Number
96003387

Rerun
0

Sample Prep
N/A

Sample
S96T001121

Instrument Used
CARB2

Prepared By
RTS

Chemist
RWS

Analyst
PJM

Date Completed
06/11/96

Analysis Date
06/11/96

Analysis Time

Sample Point
U-107

µg of Carbon/mL = (C1-C2) * DF / SS
µg of Carbon/mL for TIC = 5 if C1 < C2
µg of Carbon/mL for TOC = 40 if C1 < C2

		TIC	TOC
	Method Detection Limit in µg/mL	5	40
	µg of Carbon/mL	1.89E+02	1.17E+03

Data Entered By:	RTS	Date:	06/11/96
Signature of Chemist:	RW Schwerdt	Date:	6/12/96

SAMPLE.WB1 REV 1.0 342100ML

WORKBOOK PAGE: DUP10

TIC/TOC : LA-342-100 (C-0) LIQUIDS

			TIC	TOC
DUP	Sample Size in mL	(SS)	0.1040	0.1040
	Dilution Factor	(DF)	1	1
7583	µg of Carbon in Sample	(C1)	29.6	124.6
	µg of Carbon from Baseline	(C2)	5.4	30.2
@TICTOC1	Known µg of C from Original Sample		1.89E+2	1.17E+3

Matrix: LIQUID

Batch Number: 96003387

Round: 0

Sample Type: N/A

Sample: S96T001121

Instrument: CARB2

Prepared By: RTS

Chemist: RWS

Analyst: PJM

Date Completed: 06/11/96

Analysis Date: 06/11/96

µg of Carbon/mL = (C1-C2) * DF / SS
µg of Carbon/mL for TIC = 5 if C1 < C2
µg of Carbon/mL for TOC = 40 if C1 < C2

RPD (of Sample and Dup Results) = | Difference | / Average

		TIC	TOC
Analysis Time	Method Detection Limit in µg/mL	5	40
Sample Volume	µg of Carbon/mL	2.33E+02	9.08E+02
U-107	RPD (of Sam and Dup Results)	20.7%	25.2%

Data Entered By:	RTS	Date:	06/11/96
Signature of Chemist:	RW Schroeder	Date:	6/12/96

SAMPLE.WB1 REV 1.0 342100ML

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
<<< BLANK ANALYSIS >>> WHC-SD-WM-DP-184, REV. 1

Sample: BASELINE Date: 06/10/96 Time: 21:31:36

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

Analyst : PJ MCCOWN
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	1.51	0.90	44.44
4	2.01	1.30	30.77
5	2.51	1.70	23.53
6	3.01	2.00	15.00
7	3.51	2.20	9.09
8	4.01	2.40	8.33
9	4.51	2.60	7.69
10	5.01	2.90	10.34
11	5.51	3.10	6.45
12	6.01	3.30	6.06
13	6.51	3.50	5.71
14	7.01	3.70	5.41
15	7.51	4.00	7.50
16	8.01	4.20	4.76
17	8.51	4.40	4.55
18	9.01	4.60	4.35
19	9.50	4.80	4.17
20	10.00	5.00	4.00
21	10.50	5.20	3.85
22	11.01	5.40	3.70

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 911 TO 932

BLANK VALUE = 5.4 micrograms carbon
BLANK FACTOR = 5.4 / 11.00525 = +4.9E-01 ug/min Carbon

Sample Run By: PJ McCown 6/11/96
PJ MCCOWN 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. 1

Sample: 22N12B STD Date: 06/10/96 Time: 22:00:00

Sample Size = 1000 uL
Dil Factor = 1
Blank ID # =
Blank Value = .49 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.30	0.00
2	1.01	9.40	96.81
3	1.51	114.70	91.80
4	2.00	268.10	57.22
5	2.50	399.20	32.84
6	3.00	488.90	18.35
7	3.50	542.30	9.85
8	4.00	569.80	4.83
9	4.50	581.70	2.05
10	5.00	586.40	0.80
11	5.50	588.40	0.34
12	6.00	589.40	0.17
13	6.50	589.90	0.08
14	7.00	590.40	0.08
15	7.50	590.70	0.05
16	8.00	591.00	0.05
17	8.50	591.30	0.05
18	9.00	591.60	0.05
19	9.50	591.90	0.05
20	10.00	592.10	0.03
21	10.50	592.40	0.05
22	11.00	592.60	0.03

USER INPUT BLANK VALUE
BLANK VALUE = 5.38994 micrograms carbon
BLANK FACTOR = 5.38994 / 10.99988 = +4.9E-01 ug/min Carbon

SAMPLE RESULTS:
(592.6 - 5.389881)(1)/(1000) = +5.872E-01 g/L Carbon
(592.6 - 5.389881)(1)/(1000)(12) = +4.893E-02 Molar Carbon

Sample Run By: PJ McCown
PJ MCCOWN 00000

1.0 mL 22N12B

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0 WHC-SD-WM-DP-184, REV. 1

Sample: BLANK Date: 06/10/96 Time: 22:52:49

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = 2.75 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.10	0.00
2	1.00	0.80	87.50
3	1.50	4.70	82.98
4	2.00	11.50	59.13
5	2.50	16.30	29.45
6	3.00	18.50	11.89
7	3.50	19.40	4.64
8	4.00	19.80	2.02
9	4.50	20.20	1.98
10	5.00	20.60	1.94
11	5.50	20.90	1.44
12	6.00	21.20	1.42
13	6.50	21.50	1.40
14	7.00	21.90	1.83
15	7.50	22.40	2.23
16	8.00	22.70	1.32
17	8.50	22.90	0.87
18	9.00	23.20	1.29
19	9.50	23.40	0.85
20	10.00	23.60	0.85
21	10.50	23.80	0.84
22	11.00	24.00	0.83

USER INPUT BLANK VALUE
BLANK VALUE = 30.24966 micrograms carbon
BLANK FACTOR = 30.24966 / 10.99988 = +2.8E+00 ug/min Carbon

SAMPLE RESULTS:
(24 - 30.25369)(1)/(1) = < 5.00 E-3 g/L Carbon
(24 - 30.25369)(1)/(1)(12) = < 4.17 E-4 Molar Carbon
<<<< WARNING - BLANK VALUE EXCEEDS 1.5 ug/min Carbon!!!!!>>>>

Sample Run By: PJ McCown
PJ MCCOWN 00000

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2 WHC-SD-WM-DP-184, REV. 1

Sample: S96T001119 Date: 06/10/96 Time: 23:26:01

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .49 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.10	0.00
2	1.01	1.70	35.29
3	1.50	2.10	19.05
4	2.00	2.20	4.55
5	2.50	18.20	87.91
6	3.00	113.50	83.96
7	3.50	209.60	45.85
8	4.00	262.40	20.12
9	4.50	285.50	8.09
10	5.00	295.30	3.32
11	5.50	300.60	1.76
12	6.00	304.20	1.18
13	6.50	306.80	0.85
14	7.00	309.10	0.74
15	7.50	310.70	0.51
16	8.00	312.40	0.54
17	8.50	313.80	0.45
18	9.00	315.30	0.48
19	9.50	316.60	0.41
20	10.00	317.90	0.41
21	10.50	319.20	0.41
22	11.00	320.20	0.31

USER INPUT BLANK VALUE
BLANK VALUE = 5.38994 micrograms carbon
BLANK FACTOR = 5.38994 / 10.99988 = +4.9E-01 ug/min Carbon

SAMPLE RESULTS:
(320.2 - 5.390359)(1)/(1) = +3.148E+02 g/L Carbon
(320.2 - 5.390359)(1)/(1)(12) = +2.623E+01 Molar Carbon

Sample Run By: PJ McCown
PJ MCCOWN 00000

.1451g
.100mL

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0 WHC-SD-WM-DP-184, REV. 1

Sample: S96T001119DUP Date: 06/10/96 Time: 23:54:46

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .49 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.50	0.00
2	1.00	4.80	89.58
3	1.50	57.00	91.58
4	2.00	144.00	60.42
5	2.50	213.40	32.52
6	3.00	255.90	16.61
7	3.50	277.10	7.65
8	4.00	287.60	3.65
9	4.50	294.20	2.24
10	5.00	298.90	1.57
11	5.50	302.80	1.29
12	6.00	305.90	1.01
13	6.50	308.70	0.91
14	7.00	311.10	0.77
15	7.50	313.20	0.67
16	8.00	315.10	0.60
17	8.50	316.70	0.51
18	9.00	318.30	0.50
19	9.50	319.80	0.47
20	10.00	321.20	0.44
21	10.50	322.60	0.43
22	11.00	323.70	0.34

USER INPUT BLANK VALUE
BLANK VALUE = 5.38994 micrograms carbon
BLANK FACTOR = 5.38994 / 10.99988 = +4.9E-01 ug/min Carbon

SAMPLE RESULTS:
(323.7 - 5.389402)(1)/(1) = +3.183E+02 g/L Carbon
(323.7 - 5.389402)(1)/(1)(12) = +2.653E+01 Molar Carbon

Sample Run By: PJ McCown
PJ MCCOWN 00000

.1390g
.100 mL

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0 WHC-SD-WM-DP-184, REV. 1

Sample: S96T001119SPK Date: 06/11/96 Time: 01:22:24

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .49 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.30	0.00
2	1.01	10.40	97.12
3	1.51	130.60	92.04
4	2.01	308.40	57.65
5	2.51	446.80	30.98
6	3.01	527.60	15.31
7	3.51	568.50	7.19
8	4.00	586.50	3.07
9	4.50	595.50	1.51
10	5.00	601.70	1.03
11	5.50	606.30	0.76
12	6.00	610.20	0.64
13	6.50	613.50	0.54
14	7.00	616.60	0.50
15	7.50	618.90	0.37
16	8.00	621.10	0.35
17	8.50	623.20	0.34
18	9.00	624.90	0.27
19	9.50	626.40	0.24
20	10.00	628.00	0.25
21	10.50	629.20	0.19
22	11.00	630.40	0.19

USER INPUT BLANK VALUE
BLANK VALUE = 5.38994 micrograms carbon
BLANK FACTOR = 5.38994 / 10.99988 = +4.9E-01 ug/min Carbon

SAMPLE RESULTS:
(630.4 - 5.390329)(1)/(1) = +6.250E+02 g/L Carbon
(630.4 - 5.390329)(1)/(1)(12) = +5.208E+01 Molar Carbon

Sample Run By: PJ McCown
PJ MCCOWN 00000

.1439g
.100mL
+ .500mL 22 N12 B

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. 1

Sample: S96T001120 Date: 06/11/96 Time: 02:20:22

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .49 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	20.00	0.00
2	1.01	42.00	52.38
3	1.50	57.40	26.83
4	2.00	70.40	18.47
5	2.50	79.70	11.67
6	3.00	85.00	6.24
7	3.50	87.70	3.08
8	4.00	89.30	1.79
9	4.50	90.40	1.22
10	5.00	91.10	0.77
11	5.50	91.90	0.87
12	6.00	92.50	0.65
13	6.50	93.20	0.75
14	7.00	93.80	0.64
15	7.50	94.60	0.85
16	8.00	95.10	0.53
17	8.50	95.70	0.63
18	9.00	96.20	0.52
19	9.50	96.80	0.62
20	10.00	97.30	0.51
21	10.50	97.90	0.61
22	11.00	98.30	0.41

USER INPUT BLANK VALUE
BLANK VALUE = 5.38994 micrograms carbon
BLANK FACTOR = 5.38994 / 10.99988 = +4.9E-01 ug/min Carbon

SAMPLE RESULTS:
(98.3 - 5.388527)(1)/(1) = +9.29E+01 g/L Carbon
(98.3 - 5.388527)(1)/(1)(12) = +7.74E+00 Molar Carbon

Sample Run By: PJ MCCOWN 00000

.1063g
.100mL

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. 1

Sample: S96T001120DUP Date: 06/11/96 Time: 02:46:58

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .49 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.70	0.00
2	1.01	2.70	74.07
3	1.51	10.70	74.77
4	2.00	21.30	49.77
5	2.50	30.10	29.24
6	3.00	35.90	16.16
7	3.50	39.40	8.88
8	4.00	41.30	4.60
9	4.50	42.50	2.82
10	5.00	43.50	2.30
11	5.50	44.40	2.03
12	6.00	45.10	1.55
13	6.50	45.90	1.74
14	7.00	46.60	1.50
15	7.50	47.40	1.69
16	8.00	48.10	1.46
17	8.50	48.70	1.23
18	9.00	49.40	1.42
19	9.50	50.00	1.20
20	10.00	50.70	1.38
21	10.50	51.30	1.17
22	11.00	51.90	1.16

USER INPUT BLANK VALUE
BLANK VALUE = 5.38994 micrograms carbon
BLANK FACTOR = 5.38994 / 10.99988 = +4.9E-01 ug/min Carbon

SAMPLE RESULTS:
(51.9 - 5.389843)(1)/(1) = +4.65E+01 g/L Carbon
(51.9 - 5.389843)(1)/(1)(12) = +3.88E+00 Molar Carbon

Sample Run By: PJ McCown
PJ MCCOWN 00000

-1065g
.100mL

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0 WHC-SD-WM-DP-184, REV. 1

Sample: S96T001120TRP Date: 06/11/96 Time: 03:13:31

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .49 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.80	0.00
2	1.01	3.00	73.33
3	1.50	12.00	75.00
4	2.00	23.40	48.72
5	2.50	32.30	27.55
6	3.00	37.80	14.55
7	3.50	41.00	7.80
8	4.00	42.70	3.98
9	4.50	43.80	2.51
10	5.00	44.70	2.01
11	5.50	45.60	1.97
12	6.00	46.50	1.94
13	6.50	47.20	1.48
14	7.00	47.90	1.46
15	7.50	48.60	1.44
16	8.00	49.30	1.42
17	8.50	50.10	1.60
18	9.00	50.60	0.99
19	9.50	51.30	1.36
20	10.00	51.90	1.16
21	10.50	52.40	0.95
22	11.00	53.10	1.32

USER INPUT BLANK VALUE
BLANK VALUE = 5.38994 micrograms carbon
BLANK FACTOR = 5.38994 / 10.99988 = +4.9E-01 ug/min Carbon

SAMPLE RESULTS:
(53.1 - 5.390329)(1)/(1) = +4.77E+01 g/L Carbon
(53.1 - 5.390329)(1)/(1)(12) = +3.98E+00 Molar Carbon

Sample Run By: PJ McCown
PJ MCCOWN 00000

.1041g
.100mL

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. 1

Sample: S96T001121 Date: 06/11/96 Time: 03:41:35

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .49 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.90	0.00
2	1.01	4.20	78.57
3	1.51	8.90	52.81
4	2.00	12.70	29.92
5	2.50	15.20	16.45
6	3.00	16.80	9.52
7	3.50	17.70	5.08
8	4.00	18.50	4.32
9	4.50	19.20	3.65
10	5.00	19.70	2.54
11	5.50	20.20	2.48
12	6.00	20.80	2.88
13	6.50	21.20	1.89
14	7.00	21.80	2.75
15	7.50	22.30	2.24
16	8.00	22.80	2.19
17	8.50	23.30	2.15
18	9.00	23.70	1.69
19	9.50	24.20	2.07
20	10.00	24.60	1.63
21	10.50	25.10	1.99
22	11.00	25.50	1.57

USER INPUT BLANK VALUE
BLANK VALUE = 5.38994 micrograms carbon
BLANK FACTOR = 5.38994 / 10.99988 = +4.9E-01 ug/min Carbon

SAMPLE RESULTS:
(25.5 - 5.390329)(1)/(1) = +2.01E+01 g/L Carbon
(25.5 - 5.390329)(1)/(1)(12) = +1.68E+00 Molar Carbon

Sample Run By: PJ McCown
PJ MCCOWN 00000

.1062g
.100mL

TIC- TOTAL INORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0

WHC-SD-WM-DP-184, REV. 1

Sample: S96T001121DUP Date: 06/11/96 Time: 04:14:01

Sample Size = 1 uL
Dil Factor = 1
Blank ID # =
Blank Value = .49 ug/minute C

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	1.20	0.00
2	1.01	2.70	55.56
3	1.51	7.80	65.38
4	2.01	12.90	39.53
5	2.51	16.20	20.37
6	3.01	18.30	11.48
7	3.51	19.50	6.15
8	4.01	20.50	4.88
9	4.51	21.40	4.21
10	5.01	22.00	2.73
11	5.51	22.80	3.51
12	6.01	23.50	2.98
13	6.51	24.30	3.29
14	7.00	25.00	2.80
15	7.50	25.60	2.34
16	8.00	26.30	2.66
17	8.50	26.90	2.23
18	9.00	27.50	2.18
19	9.50	28.10	2.14
20	10.00	28.70	2.09
21	10.50	29.10	1.37
22	11.00	29.60	1.69

USER INPUT BLANK VALUE
BLANK VALUE = 5.38994 micrograms carbon
BLANK FACTOR = 5.38994 / 10.99988 = +4.9E-01 ug/min Carbon

SAMPLE RESULTS:
(29.6 - 5.391226)(1)/(1) = +2.42E+01 g/L Carbon
(29.6 - 5.391226)(1)/(1)(12) = +2.02E+00 Molar Carbon

Sample Run By: PJ McCown
PJ MCCOWN 00000

.1040g
.100mL

TOC- TOTAL ORGANIC CARBON ANALYSIS REPORT
TICTOC REV 2.0
<<< BLANK ANALYSIS >>WHC-SD-WM-DP-184, REV. 1

Sample: BASELINE Date: 06/10/96 Time: 21:44:33

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

Analyst : PJ MCCOWN
Min Readings = 22
Max Readings = 22
% Difference = 10

== Reading	==== Analysis Time	==== Coulometer	==== % Difference ==
1	0.51	0.00	0.00
2	1.01	1.30	100.00
3	1.50	2.70	51.85
4	2.00	6.50	58.46
5	2.50	13.10	50.38
6	3.00	17.90	26.82
7	3.50	20.50	12.68
8	4.00	22.20	7.66
9	4.50	23.20	4.31
10	5.00	24.10	3.73
11	5.50	24.90	3.21
12	6.00	25.70	3.11
13	6.50	26.30	2.28
14	7.00	26.90	2.23
15	7.50	27.40	1.82
16	8.00	28.00	2.14
17	8.50	28.40	1.41
18	9.00	28.90	1.73
19	9.50	29.20	1.03
20	10.00	29.50	1.02
21	10.50	29.90	1.34
22	11.00	30.20	0.99

BLANK VALUE = 30.2 micrograms carbon
BLANK FACTOR = 30.2 / 10.99988 = +2.75E+00 ug/min Carbon

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

Sample Run By: PJ McCown
PJ MCCOWN 00000