QA/QC DATA PACKAGE

CLIENT: WSP Group
PROJECT: EPA Lead Site
LAB WORKORDER: ME1004231
DATE PACKAGE ISSUED: 05/17/10

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CLIENT: **WSP Group**

PROJECT: **EPA Lead Site**

LAB WORKORDER: **ME1004231**

CHAIN-OF-CUSTODY: **95307**

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Case Narrative
Metals Analysis

Client: WSP Group

Project: EPA Lead Site

Laboratory #: ME1004231

Seven soil samples were received on 4/21/2010 for analysis and reporting in accordance with our Level IV CLP protocol. The samples were received in acceptable physical condition. The samples were analyzed for Total Lead using method SW-846 3050/6020A as well as Percent Moisture using Standard Methods 2540B 18 Ed. The moisture data were used to calculate the dry-weight concentration of the Lead.

The samples were collected between 4/13/2010 and 4/18/2010. The samples were digested on 4/23/2010 and analyzed on 4/26/2010 and 4/27/2010. All samples were digested and analyzed within the prescribed maximum allowable holding time with the exception of samples Z1-21(0-6”), Z1-19(0”) and Z1-33(0”) which were analyzed out of hold for percent moisture due to receipt at lab after the hold time had expired. All digested samples were analyzed using a minimum dilution of 5. The appropriate dilution is noted on the instrument printout in the format of *Sample ID, dilution* (e.g. ME -01A,5).

The required instrument calibration and quality control tests were performed and the acceptance criteria met without exception. A form XII for linear dynamic range was not included as the linear dynamic range used is now set to equal the high calibration standard. The high calibration standard for Lead in 500ppb.

Internal standards are added to all QC and environmental samples. The appropriate internal standard intensity recovery for each analyte meets the acceptance criteria.

See the report narrative and QC summary for specific batch quality control information.

This Case Narrative was prepared by Amy L. Sheehy, QA Assistant.

Microbac Laboratories, Inc.

Date: *Wednesday, May 12, 2010*

Client: WSP Group
Project: EPA Lead Site
Work Order: ME1004231
Date Received: 04/21/10

Department: ME

Holding Times Summary

Lab Sample ID	Client Sample ID	Test Code	Collection Date	Prep Date	Elapsed Days	Days Allowed	Analysis Date	Elapsed Days	Days Allowed
~~ME1004231-07A~~	~~Z1-55(0-6")~~	~~6010S~~	~~04/14/10~~	~~04/23/10~~	~~9~~	~~180~~	~~04/23/10~~	~~0~~	~~180~~
ME1004231-01A	Z1-21(0-6")	6020S	04/13/10	04/23/10	10	180	04/27/10	4	28
~~ME1004231-01A~~	~~Z1-21(0-6")~~	~~6020S~~	~~04/13/10~~	~~04/23/10~~	~~10~~	~~180~~	~~04/26/10~~	~~3~~	~~28~~
~~ME1004231-02A~~	~~Z1-19(0")~~	~~6020S~~	~~04/13/10~~	~~04/23/10~~	~~10~~	~~180~~	~~04/26/10~~	~~3~~	~~28~~
ME1004231-02A	Z1-19(0")	6020S	04/13/10	04/23/10	10	180	04/27/10	4	28
~~ME1004231-03A~~	~~Z1-33(0")~~	~~6020S~~	~~04/13/10~~	~~04/23/10~~	~~10~~	~~180~~	~~04/26/10~~	~~3~~	~~28~~
ME1004231-03A	Z1-33(0")	6020S	04/13/10	04/23/10	10	180	04/27/10	4	28
ME1004231-04A	Z1-60(0")	6020S	04/15/10	04/23/10	8	180	04/26/10	3	28
ME1004231-05A	Z1-86(0-6")	6020S	04/17/10	04/23/10	6	180	04/26/10	3	28
ME1004231-06A	Z1-104(0-6")	6020S	04/18/10	04/23/10	5	180	04/26/10	3	28
ME1004231-07A	Z1-55(0-6")	6020S	04/14/10	04/23/10	9	180	04/27/10	4	28
~~ME1004231-07A~~	~~Z1-55(0-6")~~	~~6020S~~	~~04/14/10~~	~~04/23/10~~	~~9~~	~~180~~	~~04/26/10~~	~~3~~	~~28~~
~~ME1004231-07A~~	~~Z1-55(0-6")~~	~~6020S~~	~~04/14/10~~	~~04/23/10~~	~~9~~	~~180~~	~~04/26/10~~	~~3~~	~~28~~
~~ME1004231-07A~~	~~Z1-55(0-6")~~	~~6020S~~	~~04/14/10~~	~~04/23/10~~	~~9~~	~~180~~	~~04/26/10~~	~~3~~	~~28~~
~~ME1004231-07A~~	~~Z1-55(0-6")~~	~~6020S~~	~~04/14/10~~	~~04/23/10~~	~~9~~	~~180~~	~~04/27/10~~	~~4~~	~~28~~
~~ME1004231-07A~~	~~Z1-55(0-6")~~	~~6020S~~	~~04/14/10~~	~~04/23/10~~	~~9~~	~~180~~	~~04/27/10~~	~~4~~	~~28~~

***Missed Holding Time (s)**
#Prep Batch Referenced Incorrectly

ANALYTICAL RESULTS

Date: *Wednesday, May 12, 2010*

Client:	WSP Group		
Client Project:	EPA Lead Site		
Client Sample ID:	Z1-21(0-6")	***Work Order / ID:***	ME1004231-01
Sample Description:		***Collection Date:***	04/13/10 10:10
Sample Matrix:	Solid	***Date Received:***	04/21/10 12:35

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
TOTAL METALS Method: **SW6020A** Prep Date/Time: **04/23/10 06:45** Analyst: **RPL**							
Lead	A	***5300***	48		mg/Kg-dry	500	04/27/10 15:34

ANALYTICAL RESULTS

Date: *Wednesday, May 12, 2010*

Client:	WSP Group		
Client Project:	EPA Lead Site		
Client Sample ID:	Z1-19(0")	***Work Order / ID:***	ME1004231-02
Sample Description:		***Collection Date:***	04/13/10 09:27
Sample Matrix:	Solid	***Date Received:***	04/21/10 12:35

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
TOTAL METALS Method: **SW6020A** Prep Date/Time: **04/23/10 06:45** Analyst: **RPL**							
Lead	A	***18000***	87		mg/Kg-dry	500	04/27/10 15:38

ANALYTICAL RESULTS

Date: *Wednesday, May 12, 2010*

Client:	WSP Group		
Client Project:	EPA Lead Site		
Client Sample ID:	Z1-33(0")	***Work Order / ID:***	ME1004231-03
Sample Description:		***Collection Date:***	04/13/10 14:57
Sample Matrix:	Solid	***Date Received:***	04/21/10 12:35

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
TOTAL METALS Method: **SW6020A** Prep Date/Time: **04/23/10 06:45** Analyst: **RPL**							
Lead	A	***6100***	70		mg/Kg-dry	500	04/27/10 15:42

ANALYTICAL RESULTS

Date: *Wednesday, May 12, 2010*

Client:	WSP Group		
Client Project:	EPA Lead Site		
Client Sample ID:	Z1-60(0")	***Work Order / ID:***	ME1004231-04
Sample Description:		***Collection Date:***	04/15/10 13:07
Sample Matrix:	Solid	***Date Received:***	04/21/10 12:35

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
TOTAL METALS Method: **SW6020A** Prep Date/Time: **04/23/10 06:45** Analyst: **RPL**							
Lead	A	***550***	2.1		mg/Kg-dry	20	04/26/10 17:18

ANALYTICAL RESULTS

Date: *Wednesday, May 12, 2010*

Client:	WSP Group		
Client Project:	EPA Lead Site		
Client Sample ID:	Z1-86(0-6")	***Work Order / ID:***	ME1004231-05
Sample Description:		***Collection Date:***	04/17/10 16:05
Sample Matrix:	Solid	***Date Received:***	04/21/10 12:35

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
TOTAL METALS Method: **SW6020A** Prep Date/Time: **04/23/10 06:45** Analyst: **RPL**							
Lead	A	***270***	1.6		mg/Kg-dry	20	04/26/10 17:42

ANALYTICAL RESULTS

Date: *Wednesday, May 12, 2010*

Client:	WSP Group		
Client Project:	EPA Lead Site		
Client Sample ID:	Z1-104(0-6")	***Work Order / ID:***	ME1004231-06
Sample Description:		***Collection Date:***	04/18/10 14:15
Sample Matrix:	Solid	***Date Received:***	04/21/10 12:35

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
TOTAL METALS Method: **SW6020A** Prep Date/Time: **04/23/10 06:45** Analyst: **RPL**							
Lead	A	***460***	2.0		mg/Kg-dry	20	04/26/10 17:48

ANALYTICAL RESULTS

Date: *Wednesday, May 12, 2010*

Client:	WSP Group		
Client Project:	EPA Lead Site		
Client Sample ID:	Z1-55(0-6")	***Work Order / ID:***	ME1004231-07
Sample Description:		***Collection Date:***	04/14/10 14:08
Sample Matrix:	Solid	***Date Received:***	04/21/10 12:35

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
TOTAL METALS Method: **SW6020A** Prep Date/Time: **04/23/10 06:45** Analyst: **RPL**							
Lead	A	***670***	45		mg/Kg-dry	500	04/27/10 15:46

ANALYTICAL RESULTS

Date: *Wednesday, May 12, 2010*

Client:	WSP Group		
Client Project:	EPA Lead Site		
Client Sample ID:	Z1-21(0-6")	***Work Order / ID:***	ME1004231-01
Sample Description:		***Collection Date:***	04/13/10 10:10
Sample Matrix:	Solid	***Date Received:***	04/21/10 12:35

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
PERCENT MOISTURE Method: **2540B_18ED** Prep Date/Time: Analyst: **SMA**							
Percent Moisture	A	***22***	0.10	H	WT%	1	04/21/10 15:50

ANALYTICAL RESULTS

Date: *Wednesday, May 12, 2010*

Client:	WSP Group		
Client Project:	EPA Lead Site		
Client Sample ID:	Z1-19(0")	***Work Order / ID:***	ME1004231-02
Sample Description:		***Collection Date:***	04/13/10 09:27
Sample Matrix:	Solid	***Date Received:***	04/21/10 12:35

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
PERCENT MOISTURE Method: **2540B_18ED** Prep Date/Time: Analyst: **SMA**							
Percent Moisture	A	***59***	0.10	H	WT%	1	04/21/10 15:50

ANALYTICAL RESULTS

Date: *Wednesday, May 12, 2010*

Client:	WSP Group		
Client Project:	EPA Lead Site		
Client Sample ID:	Z1-33(0")	***Work Order / ID:***	ME1004231-03
Sample Description:		***Collection Date:***	04/13/10 14:57
Sample Matrix:	Solid	***Date Received:***	04/21/10 12:35

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
PERCENT MOISTURE Method: **2540B_18ED** Prep Date/Time: Analyst: **SMA**							
Percent Moisture	A	***47***	0.10	H	WT%	1	04/21/10 15:50

ANALYTICAL RESULTS

Date: *Wednesday, May 12, 2010*

Client:	WSP Group		
Client Project:	EPA Lead Site		
Client Sample ID:	Z1-60(0")	***Work Order / ID:***	ME1004231-04
Sample Description:		***Collection Date:***	04/15/10 13:07
Sample Matrix:	Solid	***Date Received:***	04/21/10 12:35

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
PERCENT MOISTURE Method: **2540B_18ED** Prep Date/Time: Analyst: **SMA**							
Percent Moisture	A	***32***	0.10		WT%	1	04/21/10 15:50

ANALYTICAL RESULTS

Date: *Wednesday, May 12, 2010*

Client:	WSP Group		
Client Project:	EPA Lead Site		
Client Sample ID:	Z1-86(0-6")	***Work Order / ID:***	ME1004231-05
Sample Description:		***Collection Date:***	04/17/10 16:05
Sample Matrix:	Solid	***Date Received:***	04/21/10 12:35

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
PERCENT MOISTURE Method: **2540B_18ED** Prep Date/Time: Analyst: **SMA**							
Percent Moisture	A	***15***	0.10		WT%	1	04/21/10 15:50

ANALYTICAL RESULTS

Date: *Wednesday, May 12, 2010*

Client:	WSP Group		
Client Project:	EPA Lead Site		
Client Sample ID:	Z1-104(0-6")	***Work Order / ID:***	ME1004231-06
Sample Description:		***Collection Date:***	04/18/10 14:15
Sample Matrix:	Solid	***Date Received:***	04/21/10 12:35

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
PERCENT MOISTURE Method: **2540B_18ED** Prep Date/Time: Analyst: **SMA**							
Percent Moisture	A	***26***	0.10		WT%	1	04/21/10 15:50

ANALYTICAL RESULTS

Date: *Wednesday, May 12, 2010*

Client:	WSP Group		
Client Project:	EPA Lead Site		
Client Sample ID:	Z1-55(0-6")	***Work Order / ID:***	ME1004231-07
Sample Description:		***Collection Date:***	04/14/10 14:08
Sample Matrix:	Solid	***Date Received:***	04/21/10 12:35

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
PERCENT MOISTURE	Method: **2540B_18ED**		Prep Date/Time:				Analyst: **SMA**
Percent Moisture	A	***24***	0.10		WT%	1	04/21/10 15:50

Microbac Laboratories, Inc.

INORGANICS Data Reporting Form

Initial Calibration Verification **Units:** mg/L

Standard Source: 81247 **Instrument ID:** ICPMS-1

Standard ID: ICV

		ME1004231 04/26/10 10:52 AM											
Element	True Conc	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Lead	0.025	0.025656	**102.6**										

Microbac Laboratories, Inc.

INORGANICS Data Reporting Form

Initial Calibration Verification **Units:** mg/L

Standard Source: 81247 **Instrument ID:** ICPMS-1

Standard ID: ICV

		ME1004231 04/27/10 11:02 AM											
Element	True Conc	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Lead	0.025	0.025891	**103.6**										

Microbac Laboratories, Inc.

INORGANICS Data Reporting Form

Continuing Calibration Verification **Units:** mg/L

Standard Source: 81247 **Instrument ID:** ICPMS-1

Standard ID: CCV

Element	True Conc	ME1004231 04/27/10 2:54 PM Found	% Rec	ME1004231 04/27/10 3:54 PM Found	% Rec	ME1004231 04/27/10 4:21 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Lead	0.05	0.052447	**104.9**	0.053579	**107.2**	0.053375	**106.7**						

Microbac Laboratories, Inc.

INORGANICS Data Reporting Form

Continuing Calibration Verification **Units:** mg/L

Standard Source: 81247 **Instrument ID:** ICPMS-1

Standard ID: CCV

Element	True Conc	ME1004231 04/26/10 4:17 PM Found	% Rec	ME1004231 04/26/10 5:30 PM Found	% Rec	ME1004231 04/26/10 6:43 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Lead	0.05	0.051580	**103.2**	0.053129	**106.3**	0.053842	**107.7**						

Microbac Laboratories, Inc.

INORGANICS Data Reporting Form

Initial Calibration Blank(s) **Units:** mg/L

Instrument ID: ICPMS-1

Element	Reporting Limit	ME1004231 04/26/10 10:59 AM											
		Found	Flag	Found	Flag	Found	Flag	Found	Flag	Found	Flag	Found	Flag
Lead	0.0075	0.0075	U										

J - Analyte detected below Quantitation Limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank
U - Analyte Concentration less than Reporting Limit
H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

Form 3 Equivalent

Microbac Laboratories, Inc.

INORGANICS Data Reporting Form

Initial Calibration Blank(s) **Units:** mg/L

Instrument ID: ICPMS-1

Element	Reporting Limit	ME1004231 04/27/10 11:08 AM											
		Found	Flag	Found	Flag	Found	Flag	Found	Flag	Found	Flag	Found	Flag
Lead	0.0075	0.0075	U										

J - Analyte detected below Quantitation Limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank
U - Analyte Concentration less than Reporting Limit
H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

Form 3 Equivalent

Microbac Laboratories, Inc.

INORGANICS Data Reporting Form

Continuing Calibration Blank(s)

Units: mg/L

Instrument ID: ICPMS-1

Element	Reporting Limit	ME1004231 04/27/10 3:08 PM		ME1004231 04/27/10 3:58 PM		ME1004231 04/27/10 4:25 PM							
		Found	Flag	Found	Flag	Found	Flag	Found	Flag	Found	Flag	Found	Flag
Lead	0.0075	0.0075	U	0.0075	U	0.0075	U						

J - Analyte detected below Quantitation Limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank
U - Analyte Concentration less than Reporting Limit
H - Analyte was prepared and/or analyzed outside of the analytical method holding time
S - Spike Recovery outside accepted recovery limits
Value diluted out
PD outside accepted recovery limits
E - Value above quantitation range

Form 3 Equivalent

Microbac Laboratories, Inc.

INORGANICS Data Reporting Form

Continuing Calibration Blank(s)

Units: mg/L

Instrument ID: ICPMS-1

Element	Reporting Limit	ME1004231 04/26/10 4:23 PM		ME1004231 04/26/10 5:36 PM		ME1004231 04/26/10 6:49 PM							
		Found	Flag	Found	Flag	Found	Flag	Found	Flag	Found	Flag	Found	Flag
Lead	0.0075	0.0075	U	0.0075	U	0.0075	U						

J - Analyte detected below Quantitation Limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank
U - Analyte Concentration less than Reporting Limit
H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits
Value diluted out
PD outside accepted recovery limits
E - Value above quantitation range

Form 3 Equivalent

Microbac Laboratories, Inc.

INORGANICS Data Reporting Form

Preparation Blank Results **Units:** mg/Kg

Sample ID: MB100423-4 **Instrument ID:** ICPMS-1

Matrix: Soil **Units:** mg/Kg

Dilution Factor: 5

Element	Concentration	Report Limit	Q
Lead	0.012675	0.38	JU
Lead	0.0145975	0.38	JU

J - Analyte detected below Quantitation Limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank
U - Analyte Concentration less than Reporting Limit
H - Analyte was prepared and/or analyzed outside of the analytical method holding time
S - Spike Recovery outside accepted recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

Form 3 Equivalent

Microbac Laboratories, Inc.

INORGANICS Data Reporting Form

Interference Check Standard A **Units:** mg/L

Standard Source: 81247 **Instrument ID:** ICPMS-1

Standard ID: ICSA

Element	True Conc	Reporting Limit	ME1004231 04/26/10 11:05 AM					
			Found	Found	Found	Found	Found	Found
Lead	0	0.0075	0.0002464					

Microbac Laboratories, Inc.

INORGANICS Data Reporting Form

Interference Check Standard A **Units:** mg/L

Standard Source: 81247 **Instrument ID:** ICPMS-1

Standard ID: ICSA

Element	True Conc	Reporting Limit	ME1004231 04/27/10 11:15 AM					
			Found	Found	Found	Found	Found	Found
Lead	0	0.0075	0.0002630					

Microbac Laboratories, Inc.

INORGANICS Data Reporting Form

Interference Check Standard AB **Units:** mg/L

Standard Source: 81247 **Instrument ID:** ICPMS-1

Standard ID: ICSAB

Element	True Conc	ME1004231 04/26/10 11:18 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Lead	0	0.046623	**0.0**										

Microbac Laboratories, Inc.

INORGANICS Data Reporting Form

Interference Check Standard AB **Units:** mg/L

Standard Source: 81247 **Instrument ID:** ICPMS-1

Standard ID: ICSAB

		ME1004231 04/27/10 11:21 AM											
Element	True Conc	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Lead	0	0.052421	**0.0**										

Microbac Laboratories, Inc.

INORGANICS Data Reporting Form

Matrix Spike Sample Results **Instrument ID:** ICPMS-1

Standard Source: 81247

Standard Unique ID: ME1004231-07AMS

Matrix Soil **Spike Dilution Factor:** 500

Units: mg/Kg-dry

Element	Original Sample Concentration	Spike Sample Concentration	Spike Level	Percent Recovery	Range	Q
Lead	666.00254	784.03021	121.8324	96.9	70-130	

J - Analyte detected below Quantitation Limits
B - Analyte detected above reporting limit in the Method Blank
* - Value exceeds Maximum Contaminant Level
b - Analyte detected below reporting limit in the Method Blank
H - Analyte was prepared and/or analyzed outside of the analytical method holding time
S - Spike Recovery outside accepted recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

Form 5 Equivalent

Microbac Laboratories, Inc.

INORGANICS Data Reporting Form

Matrix Spike Duplicate Sample Results **Instrument ID:** ICPMS-1

Standard Source: 81247

Standard Unique ID: ME1004231-07AMSD

Matrix Soil **Spike Dilution Factor:** 500

Units: mg/Kg-dry

Element	Original Sample Concentration	Spike Duplicate Sample Concentration	Spike Level	Percent Recovery	Range	Q
Lead	666.00254	804.26231	121.8324	113.5	70-130	

J - Analyte detected below Quantitation Limits
B - Analyte detected above reporting limit in the Method Blank
* - Value exceeds Maximum Contaminant Level
b - Analyte detected below reporting limit in the Method Blank
H - Analyte was prepared and/or analyzed outside of the analytical method holding time
S - Spike Recovery outside accepted recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

Form 5 Equivalent

Microbac Laboratories, Inc.

INORGANICS Data Reporting Form

Post Digestion Spike Sample **Instrument ID:** ICPMS-1

Standard Source: 81247

Standard Unique ID ME1004231-07A

PDS Dilution Factor: 500

Matrix: Soil

Units: mg/Kg-dry

Element	Original Sample	Post Digestion Spike Sample	Spike Added	Percent Recovery
Lead	666.002535	763.601219	120.715	80.9

Microbac Laboratories, Inc.

INORGANICS Data Reporting Form

Matrix Spike/Matrix Spike Duplicate Sample RPD **Instrument ID:** ICPMS-1

Standard Source: 81247

Standard Unique ID: ME1004231-07AMSD

Matrix: Soil **MSD Dilution Factor:** 500

Units: mg/Kg-dry

Element	Matrix Spike Sample Concentration	Matrix Spike Duplicate Sample Concentration	RPD	Range	Q
Lead	784.03021	804.26231	2.5	+/-20	

R - RPD outside accepted recovery limits

Form 6 Equivalent

Microbac Laboratories, Inc.

INORGANICS Data Reporting Form

Laboratory Control Sample Results **Instrument ID:** ICPMS-1

Standard Source: 81247

Standard Unique ID: LCS100423-4

Matrix: Soil **Dilution Factor:** 20

Units: mg/Kg

Element	Lot #D065-540 Certified Concentration	Found Concentration	Performance Acceptance Range	Q
Lead	130	122.0474	106-154	
Lead	130	123.13696	106-154	

J - Analyte detected below Quantitation Limits
B - Analyte detected above reporting limit in the Method Blank
* - Value exceeds Maximum Contaminant Level
b - Analyte detected below reporting limit in the Method Blank
H - Analyte was prepared and/or analyzed outside of the analytical method holding time
S - Spike Recovery outside accepted recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

Form 7 Equivalent

Microbac Laboratories, Inc.

INORGANICS Data Reporting Form

Serial Dilution(s) **Instrument ID:** ICPMS-1

Serial Dilution Sample ID: ME1004231-07A

Matrix: Soil

Units: mg/Kg-dry **Serial Dilution Factor:** 2500

Element	Original Sample	Serial Dilution Sample	Percent Difference	Q
Lead	666.002535	735.281869	9.9	

R - RPD outside accepted recovery limits

Form 9 Equivalent

Microbac Laboratories, Inc.

INORGANICS Data Reporting Form

Instrument Detection Limits (Quarterly) **Units:** mg/L

Date of IDL's: 1/26/2000 **Instrument ID:** ICP

Comments:

Element	Wavelength (nm)	Reporting Limit	IDL
Aluminum	396.15	0.2000	0.0460
Aluminum (High)	308.21	0.2000	0.0460
Antimony	206.83	0.1000	0.0180
Arsenic	189.04	0.1000	0.0350
Barium	233.53	0.0100	0.0010
Beryllium	313.04	0.0100	0.0002
Boron	249.77	0.1000	0.0084
Cadmium	226.50	0.0100	0.0015
Calcium	183.80	1.0000	0.0340
Chromium	267.72	0.0100	0.0027
Cobalt	228.62	0.0100	0.0024
Copper	324.75	0.0100	0.0017
Iron	259.94	0.0500	0.0057
Iron (High)	249.32	0.0500	0.0057
Lead	220.35	0.0500	0.0250
Magnesium	279.08	0.2000	0.0350
Manganese	257.61	0.0100	0.0016
Molybdenum	202.03	0.0200	0.0130
Nickel	231.60	0.0200	0.0057
Potassium	769.90	2.0000	0.1990
Selenium	196.09	0.1000	0.0360
Silicon	288.16	1.0000	0.1440
Silver	328.07	0.0100	0.0033
Sodium	589.59	2.0000	0.1250
Strontium	421.55	0.0100	0.0020
Thallium	190.86	0.2000	0.0460
Tin	189.99	0.1000	0.0150
Vanadium	292.40	0.0200	0.0024
Zinc	213.86	0.0200	0.0095

Instrument Tuning Report

File Name: 200.8 Tuning.tun
File Path: C:\elandata\Tuning\200.8 Tuning.tun

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
He	3.016	2.976	595	2062	0.639	
Be	9.012	9.028	2051	2072	0.636	
Mg	23.985	24.029	5684	2078	0.634	
Co	58.933	58.929	14165	2122	0.632	
Rh	102.905	102.879	24847	2188	0.637	
In	114.904	114.879	27758	2208	0.633	
Pb	207.977	207.977	50400	2338	0.631	

Instrument Tuning Report

File Name: 200.8 Tuning.tun
File Path: C:\elandata\Tuning\200.8 Tuning.tun

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
He	3.016	3.027	597	2062	0.657	
Be	9.012	9.028	2054	2072	0.668	
Mg	23.985	23.929	5670	2078	0.660	
Co	58.933	58.929	14163	2122	0.642	
Rh	102.905	102.929	24852	2188	0.649	
In	114.904	114.929	27763	2208	0.643	
Pb	207.977	207.924	50387	2338	0.658	

Instrument Tuning Report

File Name: 200.8 Tuning.tun
File Path: C:\elandata\Tuning\200.8 Tuning.tun

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
He	3.016	3.025	598	2062	0.658	
Be	9.012	9.028	2057	2076	0.654	
Mg	23.985	24.029	5680	2082	0.652	
Co	58.933	58.879	14149	2122	0.639	
Rh	102.905	102.929	24857	2190	0.638	
In	114.904	114.929	27768	2208	0.641	
Pb	207.977	208.077	50411	2342	0.646	

Instrument Tuning Report

File Name: 200.8 Tuning.tun
File Path: C:\elandata\Tuning\200.8 Tuning.tun

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
He	3.016	3.027	600	2062	0.660	
Be	9.012	8.978	2049	2078	0.639	
Mg	23.985	23.978	5678	2084	0.646	
Co	58.933	58.979	14159	2122	0.646	
Rh	102.905	102.879	24850	2190	0.639	
In	114.904	114.879	27761	2208	0.651	
Pb	207.977	207.974	50410	2342	0.644	

Instrument Tuning Report

File Name: 200.8 Tuning.tun
File Path: C:\elandata\Tuning\200.8 Tuning.tun

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
He	3.016	3.027	602	2062	0.662	
Be	9.012	8.978	2041	2078	0.642	
Mg	23.985	23.979	5676	2084	0.638	
Co	58.933	58.929	14157	2122	0.649	
Rh	102.905	102.879	24843	2190	0.647	
In	114.904	114.928	27766	2210	0.634	
Pb	207.977	207.926	50397	2342	0.644	

Microbac Laboratories, Inc.

INORGANICS Data Reporting Form

Internal Standards Relative Intensity Summary **Units:** mg/L

Date of Analysis: 04/26/10 **Instrument ID:** ICP-MS

Sample ID	Internal Standard %RI for:											
	Germanium	Q	Holmium	Q	Indium	Q	Krypton	Q	Scandium	Q	Terbium	Q
ICV	96.7				99.9				96.9		96.7	
ICB	94.5				97.4				95.0		97.0	
ICSA	99.3				95.3				101.4		94.1	
ICSAB	105.9				101.1				106.0		101.8	
CCV	89.7				92.5				91.1		90.5	
CCB	95.4				96.2				92.7		95.0	
MB100423-4	91.8				93.2				91.9		91.8	
LC2100423-4	84.7				83.6				87.7		99.1	
Z1-60(0")	86.7				83.2				85.0		101.9	
CCV	87.1				83.6				81.6		80.8	
CCB	87.2				85.6				81.6		80.5	
Z1-86(0-6")	85.0				78.9				84.5		101.6	
Z1-104(0-6")	87.0				83.1				86.1		107.4	
CCV	79.4	S			77.2	S			73.7	S	74.2	S
CCB	78.9	S			79.0	S			73.1	S	75.6	S

Form 15 Equivalent

Microbac Laboratories, Inc.

INORGANICS Data Reporting Form

Internal Standards Relative Intensity Summary **Units:** mg/L

Date of Analysis: 04/27/10 **Instrument ID:** ICP-MS

Sample ID	Internal Standard %RI for:											
	Germanium	Q	Holmium	Q	Indium	Q	Krypton	Q	Scandium	Q	Terbium	Q
ICV	98.0				96.5				100.3		97.8	
ICB	96.9				95.6				99.1		96.9	
ICSA	96.5				92.5				97.7		94.1	
ICSAB	96.2				90.9				96.0		93.6	
CCV	95.4				95.4				99.8		93.3	
CCB	96.8				96.5				98.9		98.1	
MB100423-4	97.4								98.5		97.4	
Z1-21(0-6")	94.1								95.7		89.0	
Z1-19(0")	94.8								96.9		88.8	
Z1-33(0")	94.0								97.0		89.2	
Z1-55(0-6")	96.7								98.7		90.9	
CCV	96.2								98.1		89.3	
CCB	94.8								96.6		90.4	
Z1-55(0-6")-SD	98.2								92.2		94.7	
Z1-55(0-6")-MS	95.0								97.2		90.3	
Z1-55(0-6")-MSD	95.4								97.6		91.2	
Z1-55(0-6")-PDS	95.2								98.5		91.1	
CCV	95.0								98.2		89.9	
CCB	96.8								96.0		90.8	

Form 15 Equivalent

ICP
DATA

Method 6020 - Summary Report

Sample ID: 0

Sample Date/Time: Monday, April 26, 2010 10:06:04
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\0.001
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	97.501	14.387				ug/L
	B	11	233.837	16.048				ug/L
	Al	27	6154.617	1.254				ug/L
>	Sc	45	701046.267	2.063				ug/L
	Ti	47	722.375	4.465				ug/L
	V	51	-5814.551	74.351				ug/L
	Cr	52	11987.310	2.403				ug/L
	Mn	55	1011.688	1.662				ug/L
	Co	59	109.669	4.498				ug/L
	Ni	60	96.338	0.796				ug/L
	Cu	63	401.681	8.422				ug/L
	Cu	65	219.670	12.099				ug/L
	Zn	66	762.204	2.338				ug/L
	Zn	67	6655.379	2.288				ug/L
	Zn	68	1499.813	2.291				ug/L
>	Ge	72	139144.606	0.863				ug/L
	As	75	-199.304	28.725				ug/L
	Se	82	3.136	163.788				ug/L
	Sr	88	201.338	8.167				ug/L
	Mo	95	181.382	9.875				ug/L
	Mo	98	295.006	4.494				ug/L
	Ag	107	47.334	3.227				ug/L
	Cd	111	31.124	35.789				ug/L
	Cd	114	44.731	11.359				ug/L
>	In	115	199344.897	0.933				ug/L
	Sn	118	768.046	9.508				ug/L
	Sb	121	288.342	9.867				ug/L
	Sb	123	245.574	8.139				ug/L
	Ba	135	64.834	6.234				ug/L
	Ba	137	84.668	4.472				ug/L
>	Tb	159	34707.154	1.898				ug/L
	Hg	202	43.333	4.264				ug/L
	Tl	205	347.011	8.069				ug/L
	Pb	208	326.339	4.887				ug/L

⌈	Na	23	42771.342	0.480	ug/L
|	Mg	24	2948.930	7.585	ug/L
|	K	39	1049907.432	1.171	ug/L
|	Ca	43	331.840	3.741	ug/L
|	Fe	54	27439.696	1.497	ug/L
|	Fe	57	8291.800	0.743	ug/L
⌊>	Sc-1	45	701046.267	2.063	ug/L
	Kr	83	110.834	3.325	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45					
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159					
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: .2

Sample Date/Time: Monday, April 26, 2010 10:12:09
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\.2.002
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	254.838	7.750	0.000	0.20000	13.19	ug/L
	B	11	414.011	0.912	0.000			ug/L
	Al	27	8165.869	0.949	0.003			ug/L
>	Sc	45	703246.664	1.041	703246.664			ug/L
	Ti	47	804.717	1.687	0.000	0.20000	24.67	ug/L
	V	51	-5432.159	15.045	0.001	0.20000	191.88	ug/L
	Cr	52	12772.962	1.632	0.001	0.20000	43.78	ug/L
	Mn	55	3988.349	3.217	0.004	0.20000	3.31	ug/L
	Co	59	1412.811	5.178	0.002	0.20000	5.99	ug/L
	Ni	60	370.189	2.090	0.000	0.20000	4.10	ug/L
	Cu	63	759.045	0.604	0.003	0.20000	3.14	ug/L
	Cu	65	405.344	1.430	0.001	0.20000	2.95	ug/L
	Zn	66	1079.743	8.525	0.002	0.20000	32.25	ug/L
	Zn	67	6710.760	1.464	0.001	0.20000	90.60	ug/L
	Zn	68	1704.356	4.087	0.002	0.20000	40.41	ug/L
>	Ge	72	136982.720	1.565	136982.720			ug/L
	As	75	49.841	155.688	0.002	0.20000	31.67	ug/L
	Se	82	26.021	56.627	0.000	0.20000	63.80	ug/L
	Sr	88	3025.959	2.214	0.021	0.20000	2.93	ug/L
	Mo	95	512.345	3.110	0.002	0.20000	7.01	ug/L
	Mo	98	818.877	2.468	0.004	0.20000	5.15	ug/L
	Ag	107	1130.761	2.540	0.005	0.20000	1.08	ug/L
	Cd	111	335.292	5.372	0.002	0.20000	5.95	ug/L
	Cd	114	772.806	7.844	0.004	0.20000	6.86	ug/L
>	In	115	199969.186	1.524	199969.186			ug/L
	Sn	118	1537.502	1.804	0.004	0.20000	3.11	ug/L
	Sb	121	1291.788	3.129	0.005	0.20000	5.69	ug/L
	Sb	123	987.919	2.753	0.004	0.20000	5.56	ug/L
	Ba	135	335.007	1.760	0.008	0.20000	3.02	ug/L
	Ba	137	522.690	5.880	0.013	0.20000	8.33	ug/L
>	Tb	159	34713.508	1.472	34713.508			ug/L
	Hg	202	104.934	3.145	0.002	0.04000	7.70	ug/L
	Tl	205	4592.416	0.698	0.122	0.20000	1.64	ug/L
	Pb	208	6195.039	1.303	0.169	0.20000	2.85	ug/L

⌈	Na	23	44605.398	0.086	0.002	ug/L
|	Mg	24	4639.452	8.933	0.002	ug/L
|	K	39	1031798.995	0.601	-0.030	ug/L
|	Ca	43	794.543	23.357	0.001	ug/L
|	Fe	54	27481.671	2.447	-0.000	ug/L
|	Fe	57	8204.540	0.488	-0.000	ug/L
⌊>	Sc-1	45	703246.664	1.041	703246.664	ug/L
	Kr	83	108.834	11.734	-2.000	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45					
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159					
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45					
	Kr	83					

Sample ID: .2
Report Date/Time: Monday, April 26, 2010 10:16:32
Page 3

Method 6020 - Summary Report

Sample ID: 1

Sample Date/Time: Monday, April 26, 2010 10:18:30
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\1.003
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	967.728	0.621	0.001	1.00354	0.60	ug/L
	B	11	1112.247	2.905	0.001	1.00000	3.47	ug/L
	Al	27	14238.674	1.494	0.011	1.00000	2.64	ug/L
>	Sc	45	707051.125	0.223	707051.125			ug/L
	Ti	47	1249.781	3.868	0.001	1.00879	8.81	ug/L
	V	51	3138.163	199.076	0.013	1.03067	69.36	ug/L
	Cr	52	18263.428	1.201	0.009	1.01519	2.97	ug/L
	Mn	55	11328.329	1.582	0.015	0.98299	1.85	ug/L
	Co	59	7129.707	0.985	0.010	1.00258	1.22	ug/L
	Ni	60	1503.952	3.407	0.002	1.00085	3.44	ug/L
	Cu	63	3375.108	2.781	0.021	1.01462	4.30	ug/L
	Cu	65	1660.679	1.794	0.010	1.01282	3.33	ug/L
	Zn	66	2322.851	1.485	0.011	0.99676	1.09	ug/L
	Zn	67	7084.595	1.220	0.003	0.95946	2.14	ug/L
	Zn	68	2610.777	2.948	0.008	0.99767	4.55	ug/L
>	Ge	72	139977.564	1.111	139977.564			ug/L
	As	75	821.408	18.040	0.007	0.99131	14.02	ug/L
	Se	82	122.211	10.688	0.001	1.00077	9.88	ug/L
	Sr	88	14668.458	2.527	0.103	1.00004	1.69	ug/L
	Mo	95	1969.394	0.253	0.013	1.00174	1.04	ug/L
	Mo	98	3226.843	1.492	0.021	1.00302	2.09	ug/L
	Ag	107	5699.502	2.217	0.028	1.00078	3.38	ug/L
	Cd	111	1576.296	2.098	0.008	0.99974	2.10	ug/L
	Cd	114	3745.597	2.698	0.018	0.99980	3.75	ug/L
>	In	115	204485.280	1.133	204485.280			ug/L
	Sn	118	5358.920	0.588	0.022	1.00549	1.60	ug/L
	Sb	121	5572.408	2.507	0.026	1.00108	1.57	ug/L
	Sb	123	4380.424	3.245	0.020	1.00314	4.46	ug/L
	Ba	135	1470.141	2.480	0.040	1.00120	3.03	ug/L
	Ba	137	2508.101	3.429	0.069	1.00342	2.70	ug/L
>	Tb	159	34979.391	2.139	34979.391			ug/L
	Hg	202	597.357	2.698	0.016	0.20344	4.31	ug/L
	Tl	205	22847.780	1.302	0.643	1.00190	1.62	ug/L
	Pb	208	31593.129	1.195	0.894	1.00209	2.69	ug/L

Na	23	67158.251	1.132	0.034	ug/L
Mg	24	7763.660	1.038	0.007	ug/L
K	39	1064977.110	0.236	0.009	ug/L
Ca	43	344.674	3.705	0.000	ug/L
Fe	54	28596.935	0.404	0.001	ug/L
Fe	57	8506.701	0.987	0.000	ug/L
Sc-1	45	707051.125	0.223	707051.125	ug/L
Kr	83	106.334	2.834	-4.500	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45					
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159					
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: 20

Sample Date/Time: Monday, April 26, 2010 10:24:49
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\20.004
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	16835.737	0.181	0.024	19.99891	0.22	ug/L
	B	11	17070.923	1.094	0.024	19.99867	1.05	ug/L
	Al	27	130194.646	1.367	0.178	19.98620	1.34	ug/L
>	Sc	45	697373.499	0.155	697373.499			ug/L
	Ti	47	11016.663	2.366	0.015	20.00054	2.59	ug/L
	V	51	122834.109	4.377	0.184	19.98247	4.32	ug/L
	Cr	52	127356.382	1.925	0.166	19.99797	2.29	ug/L
	Mn	55	196578.679	1.404	0.280	19.99701	1.33	ug/L
	Co	59	134881.315	2.221	0.193	19.99872	2.07	ug/L
	Ni	60	27175.491	0.741	0.039	19.99876	0.70	ug/L
	Cu	63	60761.024	1.878	0.436	20.00207	0.78	ug/L
	Cu	65	28688.574	1.659	0.206	20.00061	0.80	ug/L
	Zn	66	19507.036	0.405	0.135	19.96648	0.99	ug/L
	Zn	67	10215.112	1.412	0.026	19.93615	4.07	ug/L
	Zn	68	14740.277	1.141	0.096	19.96639	0.32	ug/L
>	Ge	72	138480.493	1.352	138480.493			ug/L
	As	75	18067.702	1.470	0.132	19.99399	2.57	ug/L
	Se	82	2188.189	1.414	0.016	19.99603	0.57	ug/L
	Sr	88	268261.007	2.519	1.936	19.99649	1.17	ug/L
	Mo	95	35504.635	1.782	0.255	20.00004	0.94	ug/L
	Mo	98	57394.490	0.250	0.412	19.99937	1.29	ug/L
	Ag	107	110612.516	1.670	0.548	19.99958	1.37	ug/L
	Cd	111	29269.523	2.067	0.145	19.99780	3.40	ug/L
	Cd	114	70170.833	1.485	0.348	19.99785	2.64	ug/L
>	In	115	201779.860	1.352	201779.860			ug/L
	Sn	118	90418.205	0.429	0.444	19.99995	0.92	ug/L
	Sb	121	104476.082	0.333	0.516	20.00009	1.01	ug/L
	Sb	123	80600.175	1.371	0.398	19.99943	2.50	ug/L
	Ba	135	27001.315	1.664	0.773	19.99800	3.23	ug/L
	Ba	137	47316.551	0.176	1.355	19.99902	2.89	ug/L
>	Tb	159	34878.617	2.791	34878.617			ug/L
	Hg	202	5354.863	1.044	0.152	1.99955	3.06	ug/L
	Tl	205	435262.974	0.720	12.474	19.99847	2.04	ug/L
	Pb	208	602047.965	0.639	17.260	19.99824	2.60	ug/L

Na	23	182789.155	2.776	0.201	20.00000	3.72	ug/L
Mg	24	96782.032	0.956	0.135	20.00000	1.04	ug/L
K	39	1205463.585	0.966	0.231	20.00000	7.86	ug/L
Ca	43	707.366	2.245	0.001	20.00000	4.04	ug/L
Fe	54	38039.748	2.361	0.015	20.00000	8.19	ug/L
Fe	57	12198.164	0.645	0.006	20.00000	2.34	ug/L
> Sc-1	45	697373.499	0.155	697373.499			ug/L
Kr	83	109.667	1.601	-1.167			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45					
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159					
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: 100

Sample Date/Time: Monday, April 26, 2010 10:31:08
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\100.005
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	84749.312	0.595	0.119	99.96944	3.15	ug/L
	B	11	84338.532	1.176	0.118	99.91990	1.98	ug/L
	Al	27	630791.688	2.297	0.879	99.94881	3.79	ug/L
>	Sc	45	711284.143	2.584	711284.143			ug/L
	Ti	47	54715.457	0.637	0.076	100.10619	2.17	ug/L
	V	51	679643.725	2.844	0.964	100.16578	4.49	ug/L
	Cr	52	599544.823	0.713	0.826	99.99277	2.69	ug/L
	Mn	55	1006519.137	1.092	1.414	100.03220	2.64	ug/L
	Co	59	696018.900	2.097	0.979	100.04869	2.64	ug/L
	Ni	60	136473.189	0.919	0.192	99.95279	2.74	ug/L
	Cu	63	304284.887	1.618	2.139	99.92839	1.98	ug/L
	Cu	65	147166.556	1.789	1.035	100.02493	2.61	ug/L
	Zn	66	92617.574	0.411	0.647	99.81286	2.62	ug/L
	Zn	67	22125.942	0.272	0.108	99.21558	3.99	ug/L
	Zn	68	66807.720	1.215	0.460	99.83625	2.14	ug/L
>	Ge	72	142089.950	3.011	142089.950			ug/L
	As	75	92472.714	0.964	0.653	99.95698	2.68	ug/L
	Se	82	10801.145	0.345	0.076	99.85440	2.71	ug/L
	Sr	88	1384740.885	1.266	9.750	100.02792	3.21	ug/L
	Mo	95	181978.319	1.181	1.280	100.01530	4.14	ug/L
	Mo	98	295534.338	0.755	2.079	100.03215	3.71	ug/L
	Ag	107	560239.896	2.250	2.735	99.99368	2.75	ug/L
	Cd	111	148820.855	1.329	0.726	100.00874	1.03	ug/L
	Cd	114	359907.347	1.100	1.757	100.04139	1.50	ug/L
>	In	115	204815.171	0.752	204815.171			ug/L
	Sn	118	470614.392	0.273	2.294	100.12205	0.62	ug/L
	Sb	121	527856.517	0.289	2.576	99.99108	0.88	ug/L
	Sb	123	411354.984	1.227	2.007	100.03026	1.56	ug/L
	Ba	135	137978.011	0.752	3.902	100.03791	0.96	ug/L
	Ba	137	242448.077	0.904	6.858	100.04667	1.62	ug/L
>	Tb	159	35344.035	0.805	35344.035			ug/L
	Hg	202	13240.920	0.907	0.373	4.98587	0.72	ug/L
	Tl	205	2235879.148	0.181	63.254	100.05356	0.93	ug/L
	Pb	208	3088719.876	0.249	87.384	100.04753	0.73	ug/L

Na	23	781034.337	0.382	1.038	100.11891	2.89	ug/L
Mg	24	474768.089	1.273	0.664	99.94636	3.23	ug/L
K	39	1802985.198	1.270	1.039	99.57149	8.23	ug/L
Ca	43	2111.790	0.472	0.002	99.68051	2.66	ug/L
Fe	54	79947.280	1.938	0.073	99.80716	6.87	ug/L
Fe	57	27796.804	1.145	0.027	99.85097	2.13	ug/L
> Sc-1	45	711284.143	2.584	711284.143			ug/L
Kr	83	109.834	2.891	-1.000			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45					
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159					
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: 500

Sample Date/Time: Monday, April 26, 2010 10:37:27
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\500.006
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	423512.275	0.543	0.617	500.70679	2.39	ug/L
	B	11	2585.613	20.230	0.003	2.91084	24.08	ug/L
	Al	27	3120847.380	1.810	4.541	500.64483	2.41	ug/L
>	Sc	45	686081.812	2.347	686081.812			ug/L
	Ti	47	265220.088	1.616	0.386	500.33131	1.34	ug/L
	V	51	3252625.473	0.403	4.751	499.73334	1.92	ug/L
	Cr	52	2904625.133	0.919	4.218	500.40987	1.80	ug/L
	Mn	55	4930874.540	1.281	7.187	500.32841	1.32	ug/L
	Co	59	3354182.606	0.957	4.890	499.99533	1.55	ug/L
	Ni	60	674541.938	1.240	0.983	500.48437	2.42	ug/L
	Cu	63	1472414.224	1.475	10.819	500.21174	1.02	ug/L
	Cu	65	713867.256	0.320	5.246	500.28247	1.55	ug/L
	Zn	66	459965.843	1.923	3.375	500.80293	0.79	ug/L
	Zn	67	81203.875	2.511	0.549	500.17368	0.73	ug/L
	Zn	68	325384.705	2.166	2.380	500.66162	0.34	ug/L
>	Ge	72	136068.996	1.885	136068.996			ug/L
	As	75	462085.761	0.616	3.398	500.78756	1.61	ug/L
	Se	82	53786.639	0.819	0.395	500.73859	1.35	ug/L
	Sr	88	6737133.313	1.705	49.518	500.31565	1.89	ug/L
	Mo	95	900370.455	0.858	6.618	500.65335	2.41	ug/L
	Mo	98	1478987.327	2.434	10.867	500.87235	1.45	ug/L
	Ag	107	73.334	11.022	0.000	0.00499	31.04	ug/L
	Cd	111	742507.090	1.893	3.785	500.80906	0.55	ug/L
	Cd	114	1799295.100	1.447	9.173	500.85250	0.56	ug/L
>	In	115	196152.148	1.356	196152.148			ug/L
	Sn	118	2317884.029	2.664	11.812	500.60213	1.35	ug/L
	Sb	121	2655727.095	1.141	13.540	500.97490	2.31	ug/L
	Sb	123	2061538.099	0.425	10.510	500.90645	0.94	ug/L
	Ba	135	691210.620	0.816	20.637	501.09925	1.44	ug/L
	Ba	137	1202737.048	1.502	35.913	500.91384	2.62	ug/L
>	Tb	159	33495.782	1.583	33495.782			ug/L
	Hg	202	207.136	15.145	0.005	0.06604	20.95	ug/L
	Tl	205	10844237.209	0.376	323.784	500.47450	1.33	ug/L
	Pb	208	15313516.436	0.526	457.222	500.89746	1.14	ug/L

Na	23	3676483.114	1.401	5.300	500.44577	3.00	ug/L
Mg	24	2376538.523	0.104	3.461	500.81536	2.23	ug/L
K	39	4741525.063	1.892	5.414	500.73369	0.58	ug/L
Ca	43	8890.138	3.314	0.012	499.93643	2.24	ug/L
Fe	54	271585.766	2.171	0.357	499.41597	4.87	ug/L
Fe	57	103577.061	1.127	0.139	500.38659	3.16	ug/L
> Sc-1	45	686081.812	2.347	686081.812			ug/L
Kr	83	134.335	4.742	23.500			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45					
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159					
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: 10000

Sample Date/Time: Monday, April 26, 2010 10:44:17
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\10000.007
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	82.500	10.654	-0.000	-0.01848	39.44	ug/L
	B	11	921.223	17.698	0.001	0.81424	20.37	ug/L
	Al	27	10801.191	3.125	0.006	0.71297	2.94	ug/L
>	Sc	45	708525.293	3.405	708525.293			ug/L
	Ti	47	939.067	2.650	0.000	0.38301	3.36	ug/L
	V	51	-4477.720	128.143	0.002	0.19516	452.23	ug/L
	Cr	52	10238.064	3.859	-0.003	-0.31450	3.88	ug/L
	Mn	55	6357.659	1.617	0.008	0.52455	3.21	ug/L
	Co	59	1358.134	3.086	0.002	0.18009	3.68	ug/L
	Ni	60	513.685	3.873	0.001	0.29962	8.72	ug/L
	Cu	63	1036.747	2.356	0.005	0.21479	5.01	ug/L
	Cu	65	502.850	1.944	0.002	0.19782	3.72	ug/L
	Zn	66	1728.528	1.560	0.007	1.05041	2.48	ug/L
	Zn	67	6979.498	0.203	0.003	2.61873	21.06	ug/L
	Zn	68	2198.814	1.923	0.005	1.09279	7.80	ug/L
>	Ge	72	137661.688	1.044	137661.688			ug/L
	As	75	85.972	218.994	0.002	0.30188	66.38	ug/L
	Se	82	44.267	73.918	0.000	0.37676	78.51	ug/L
	Sr	88	1454.152	2.567	0.009	0.09212	3.57	ug/L
	Mo	95	1790.143	32.756	0.012	0.88309	35.23	ug/L
	Mo	98	2850.413	38.169	0.019	0.85424	41.35	ug/L
	Ag	107	77.001	8.516	0.000	0.00546	19.99	ug/L
	Cd	111	44.030	14.755	0.000	0.00868	55.40	ug/L
	Cd	114	79.973	12.854	0.000	0.00970	28.95	ug/L
>	In	115	198965.939	1.987	198965.939			ug/L
	Sn	118	6313.550	36.559	0.028	1.18050	41.54	ug/L
	Sb	121	1429.488	30.026	0.006	0.21205	37.30	ug/L
	Sb	123	1074.512	30.740	0.004	0.19855	39.74	ug/L
	Ba	135	79.000	2.759	0.000	0.01126	27.28	ug/L
	Ba	137	102.668	5.365	0.001	0.00818	15.13	ug/L
>	Tb	159	33913.307	2.915	33913.307			ug/L
	Hg	202	133.935	10.201	0.003	0.03601	11.97	ug/L
	Tl	205	1373.474	21.653	0.030	0.04692	24.83	ug/L
	Pb	208	2980.259	13.678	0.078	0.08577	11.98	ug/L

Na	23	73837930.679	1.339	104.247	9999.58747	4.14	ug/L
Mg	24	47875881.638	0.807	67.616	9999.42753	3.25	ug/L
K	39	76519939.091	1.352	106.588	9999.62693	3.81	ug/L
Ca	43	145612.535	1.712	0.205	9994.35722	1.82	ug/L
Fe	54	4791079.317	2.238	6.730	9998.38897	5.19	ug/L
Fe	57	1982595.772	0.406	2.788	10000.05880	3.00	ug/L
> Sc-1	45	708525.293	3.405	708525.293			ug/L
Kr	83	103.501	14.804	-7.333			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45					
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159					
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: ICV

Sample Date/Time: Monday, April 26, 2010 10:52:39
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\ICV.008
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	21494.829	1.666	0.032	25.55780	1.46	ug/L
	B	11	20692.131	1.473	0.030	25.46810	3.42	ug/L
	Al	27	161488.705	2.174	0.229	25.24722	1.75	ug/L
>	Sc	45	679162.331	1.889	679162.331			ug/L
	Ti	47	14693.172	2.588	0.021	26.73450	1.95	ug/L
	V	51	172676.380	1.197	0.263	27.62051	0.82	ug/L
	Cr	52	158281.341	1.029	0.216	25.63095	2.83	ug/L
	Mn	55	250001.268	2.651	0.367	25.52609	1.98	ug/L
	Co	59	176588.655	1.550	0.260	26.57853	2.84	ug/L
	Ni	60	35394.165	1.848	0.052	26.45463	0.90	ug/L
	Cu	63	76961.228	1.379	0.569	26.32433	1.93	ug/L
	Cu	65	36411.143	0.882	0.269	25.66731	0.44	ug/L
	Zn	66	24621.014	1.736	0.178	26.35090	1.67	ug/L
	Zn	67	10704.110	1.634	0.032	28.94069	5.17	ug/L
	Zn	68	18243.942	0.216	0.125	26.26253	0.44	ug/L
>	Ge	72	134497.142	0.554	134497.142			ug/L
	As	75	23493.490	0.785	0.176	25.95530	1.32	ug/L
	Se	82	2857.460	1.018	0.021	26.88217	1.06	ug/L
	Sr	88	362249.112	2.925	2.692	27.19597	2.39	ug/L
	Mo	95	46989.667	1.082	0.348	26.33428	1.51	ug/L
	Mo	98	76869.181	0.750	0.569	26.24419	0.21	ug/L
	Ag	107	132328.263	1.298	0.665	24.29992	1.69	ug/L
	Cd	111	37230.977	1.135	0.187	24.73439	1.61	ug/L
	Cd	114	91354.066	1.106	0.459	25.05511	1.88	ug/L
>	In	115	199050.701	2.628	199050.701			ug/L
	Sn	118	118827.985	0.764	0.593	25.15310	3.45	ug/L
	Sb	121	123521.103	5.623	0.620	22.92516	7.00	ug/L
	Sb	123	96622.563	4.571	0.485	23.10142	6.75	ug/L
	Ba	135	35557.024	2.508	1.058	25.69384	3.50	ug/L
	Ba	137	63113.861	1.505	1.879	26.20418	1.53	ug/L
>	Tb	159	33551.685	0.969	33551.685			ug/L
	Hg	202	3467.181	1.974	0.102	1.36347	2.94	ug/L
	Tl	205	584882.061	1.839	17.425	26.93419	2.73	ug/L
	Pb	208	786002.520	0.421	23.419	25.65620	1.30	ug/L

Na	23	14645754.027	2.126	21.510	2063.29599	3.18	ug/L
Mg	24	9373102.866	2.003	13.801	2041.02783	3.19	ug/L
K	39	16014200.732	0.434	22.087	2072.11744	1.98	ug/L
Ca	43	28904.042	1.323	0.042	2050.87149	1.75	ug/L
Fe	54	978415.089	1.830	1.402	2082.89535	3.64	ug/L
Fe	57	392579.846	1.303	0.566	2030.89426	1.05	ug/L
Sc-1	45	679162.331	1.889	679162.331			ug/L
Kr	83	96.667	4.307	-14.167			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9	102.231				
	B	11	101.872				
	Al	27	100.989				
>	Sc	45		96.878			
	Ti	47	106.938				
	V	51	110.482				
	Cr	52	102.524				
	Mn	55	102.104				
	Co	59	106.314				
	Ni	60	105.819				
	Cu	63	105.297				
	Cu	65	102.669				
	Zn	66	105.404				
	Zn	67	115.763				
	Zn	68	105.050				
>	Ge	72		96.660			
	As	75	103.821				
	Se	82	107.529				
	Sr	88	108.784				
	Mo	95	105.337				
	Mo	98	104.977				
	Ag	107	97.200				
	Cd	111	98.938				
	Cd	114	100.220				
>	In	115		99.852			
	Sn	118	100.612				
	Sb	121	91.701				
	Sb	123	92.406				
	Ba	135	102.775				
	Ba	137	104.817				
>	Tb	159		96.671			
	Hg	202	109.078				
	Tl	205	107.737				
	Pb	208	102.625				
	Na	23	101.891				
	Mg	24	100.791				
	K	39	102.327				
	Ca	43	101.278				
	Fe	54	102.859				
	Fe	57	100.291				
>	Sc-1	45		96.878			
	Kr	83					

Sample ID: ICV
Report Date/Time: Monday, April 26, 2010 10:57:01
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Method 6020 - Summary Report

Sample ID: ICB

Sample Date/Time: Monday, April 26, 2010 10:59:00
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\ICB.009
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	82.167	5.246	-0.000	-0.01271	36.36	ug/L
	B	11	807.210	22.782	0.001	0.74321	31.85	ug/L
	Al	27	5171.961	3.422	-0.001	-0.11125	29.30	ug/L
>	Sc	45	665699.969	0.682	665699.969			ug/L
	Ti	47	772.713	2.910	0.000	0.16905	23.42	ug/L
	V	51	-5935.014	95.986	-0.001	-0.06768	1340.65	ug/L
	Cr	52	10446.244	1.188	-0.001	-0.16694	11.40	ug/L
	Mn	55	976.384	5.088	0.000	0.00165	324.46	ug/L
	Co	59	107.669	14.188	0.000	0.00055	443.56	ug/L
	Ni	60	83.662	6.770	-0.000	-0.00599	66.42	ug/L
	Cu	63	184.337	5.041	-0.001	-0.06862	6.35	ug/L
	Cu	65	121.168	3.335	-0.001	-0.06272	3.05	ug/L
	Zn	66	884.884	1.923	0.001	0.18544	2.35	ug/L
	Zn	67	6827.863	2.265	0.004	3.71533	8.92	ug/L
	Zn	68	1605.001	3.164	0.001	0.29903	12.71	ug/L
>	Ge	72	131530.475	1.731	131530.475			ug/L
	As	75	-75.201	143.267	0.001	0.12650	95.49	ug/L
	Se	82	11.435	67.985	0.000	0.08092	91.56	ug/L
	Sr	88	178.671	5.932	-0.000	-0.00090	87.11	ug/L
	Mo	95	488.979	19.683	0.002	0.18223	28.22	ug/L
	Mo	98	778.540	20.420	0.004	0.17476	30.06	ug/L
	Ag	107	47.001	9.274	0.000	0.00017	437.45	ug/L
	Cd	111	33.303	19.505	0.000	0.00208	225.81	ug/L
	Cd	114	60.058	8.794	0.000	0.00463	27.98	ug/L
>	In	115	194096.885	1.334	194096.885			ug/L
	Sn	118	1650.530	15.401	0.005	0.19688	26.71	ug/L
	Sb	121	3801.054	35.146	0.018	0.67023	37.16	ug/L
	Sb	123	3028.851	37.665	0.014	0.68418	40.10	ug/L
	Ba	135	50.834	11.735	-0.000	-0.00871	47.21	ug/L
	Ba	137	62.001	9.677	-0.001	-0.00833	32.29	ug/L
>	Tb	159	33669.531	0.802	33669.531			ug/L
	Hg	202	110.134	5.292	0.002	0.02700	7.40	ug/L
	Tl	205	556.360	26.695	0.007	0.01005	65.65	ug/L
	Pb	208	716.353	22.105	0.012	0.01298	38.18	ug/L

Na	23	35343.058	2.399	-0.008	-0.75898	20.16	ug/L
Mg	24	2786.866	2.384	-0.000	-0.00300	408.80	ug/L
K	39	1029930.898	1.056	0.050	4.65204	45.47	ug/L
Ca	43	335.507	2.637	0.000	1.49315	42.71	ug/L
Fe	54	26793.684	0.692	0.001	1.64595	12.22	ug/L
Fe	57	8648.527	2.224	0.001	4.17858	30.02	ug/L
> Sc-1	45	665699.969	0.682	665699.969			ug/L
Kr	83	107.167	7.895	-3.667			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		94.958			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		94.528			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		97.367			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		97.010			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		94.958			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ICSA

Sample Date/Time: Monday, April 26, 2010 11:05:22
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\ICSA.010
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	82.334	2.870	-0.000	-0.01881	17.81	ug/L
	B	11	821.377	7.371	0.001	0.69450	9.59	ug/L
	Al	27	312410491.434	1.843	439.643	48468.28846	1.78	ug/L
>	Sc	45	710595.253	0.772	710595.253			ug/L
	Ti	47	633602.235	1.024	0.891	1155.60095	0.45	ug/L
	V	51	-965.286	77.426	0.007	0.72913	15.36	ug/L
	Cr	52	8152.002	3.926	-0.006	-0.66735	9.37	ug/L
	Mn	55	24318.537	1.472	0.033	2.28221	2.11	ug/L
	Co	59	5818.925	1.978	0.008	0.82144	2.81	ug/L
	Ni	60	1564.176	5.135	0.002	1.05071	6.31	ug/L
	Cu	63	3407.122	3.052	0.022	1.00756	4.39	ug/L
	Cu	65	3838.291	0.687	0.026	2.50089	2.60	ug/L
	Zn	66	3051.772	3.187	0.017	2.46634	3.44	ug/L
	Zn	67	3418.772	15.414	-0.023	-20.96547	19.18	ug/L
	Zn	68	1235.600	8.196	-0.002	-0.38231	51.98	ug/L
>	Ge	72	138106.559	2.308	138106.559			ug/L
	As	75	179.919	14.932	0.003	0.40333	7.52	ug/L
	Se	82	-47.329	19.928	-0.000	-0.46170	17.28	ug/L
	Sr	88	18840.587	3.720	0.135	1.36365	2.63	ug/L
	Mo	95	1866277.933	2.776	13.511	1022.18966	0.89	ug/L
	Mo	98	3081571.200	2.961	22.309	1028.21501	0.67	ug/L
	Ag	107	129.669	12.539	0.000	0.01635	23.83	ug/L
	Cd	111	483.297	30.803	0.002	0.31438	30.50	ug/L
	Cd	114	4735.401	0.647	0.025	1.35012	3.61	ug/L
>	In	115	189918.566	2.871	189918.566			ug/L
	Sn	118	812.052	16.342	0.000	0.01860	190.07	ug/L
	Sb	121	1057.750	3.735	0.004	0.15277	8.27	ug/L
	Sb	123	829.590	7.050	0.003	0.14962	10.78	ug/L
	Ba	135	352.675	1.064	0.009	0.21687	2.18	ug/L
	Ba	137	569.360	4.165	0.015	0.20919	5.71	ug/L
>	Tb	159	32660.183	0.806	32660.183			ug/L
	Hg	202	283.205	11.359	0.007	0.09906	12.52	ug/L
	Tl	205	329.010	8.424	0.000	0.00012	1144.20	ug/L
	Pb	208	7651.575	0.952	0.225	0.24636	0.77	ug/L

⌈	Na	23	S	S	S	S	S	ug/L
|	Mg	24	233519828.554	2.333	328.623	48598.93386	2.22	ug/L
|	K	39	378452783.091	2.171	531.076	49823.34456	1.85	ug/L
|	Ca	43	719223.422	2.554	1.012	49290.10691	2.14	ug/L
|	Fe	54	23852193.973	4.166	33.531	49812.46824	4.47	ug/L
|	Fe	57	9771626.039	2.785	13.740	49277.41632	2.79	ug/L
⌊>	Sc-1	45	710595.253	0.772	710595.253			ug/L
	Kr	83	171.835	6.175	61.001			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27	96.937				
>	Sc	45		101.362			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		99.254			
	As	75					
	Se	82					
	Sr	88					
	Mo	95	102.219				
	Mo	98	102.822				
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		95.271			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		94.102			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23	4000000.000				
	Mg	24	97.198				
	K	39	99.647				
	Ca	43	98.580				
	Fe	54	99.625				
	Fe	57	98.555				
>	Sc-1	45		101.362			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ICSAB

Sample Date/Time: Monday, April 26, 2010 11:18:10
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\ICSAB.011
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	43534.344	0.402	0.058	47.42236	1.60	ug/L
	B	11	40869.715	3.682	0.055	46.21203	4.72	ug/L
	Al	27	320486488.155	1.083	431.451	47565.10470	1.49	ug/L
>	Sc	45	742864.787	1.319	742864.787			ug/L
	Ti	47	667648.513	0.540	0.898	1164.93067	1.18	ug/L
	V	51	355867.723	1.122	0.487	51.26936	1.35	ug/L
	Cr	52	304148.153	1.260	0.392	46.55026	1.10	ug/L
	Mn	55	554814.384	2.656	0.745	51.89084	1.96	ug/L
	Co	59	351217.819	3.268	0.473	48.32471	2.71	ug/L
	Ni	60	68619.264	1.039	0.092	46.94379	0.43	ug/L
	Cu	63	146232.363	0.728	0.989	45.74494	1.14	ug/L
	Cu	65	71585.737	0.943	0.484	46.17938	1.96	ug/L
	Zn	66	49866.797	1.261	0.333	49.40323	2.18	ug/L
	Zn	67	11162.096	2.527	0.028	25.43368	7.08	ug/L
	Zn	68	34070.294	1.426	0.220	46.35384	0.54	ug/L
>	Ge	72	147383.954	1.657	147383.954			ug/L
	As	75	48600.715	1.232	0.331	48.81113	0.45	ug/L
	Se	82	5606.876	1.262	0.038	48.16633	2.05	ug/L
	Sr	88	761934.411	2.548	5.170	52.24098	4.04	ug/L
	Mo	95	1993083.591	0.287	13.525	1023.20120	1.93	ug/L
	Mo	98	3323762.976	0.334	22.554	1039.50263	1.61	ug/L
	Ag	107	249405.276	0.704	1.237	45.22459	0.93	ug/L
	Cd	111	73706.301	1.076	0.366	48.36178	0.43	ug/L
	Cd	114	184728.689	2.353	0.917	50.04380	3.69	ug/L
>	In	115	201575.940	1.495	201575.940			ug/L
	Sn	118	234318.275	1.728	1.159	49.10449	1.17	ug/L
	Sb	121	249627.935	4.720	1.237	45.75576	3.78	ug/L
	Sb	123	191390.525	5.526	0.948	45.18385	4.62	ug/L
	Ba	135	70792.959	1.137	2.002	48.61564	1.55	ug/L
	Ba	137	124115.726	1.760	3.511	48.96654	1.21	ug/L
>	Tb	159	35329.306	1.287	35329.306			ug/L
	Hg	202	6654.944	1.011	0.187	2.49885	1.34	ug/L
	Tl	205	1121997.976	1.603	31.752	49.07933	2.13	ug/L
	Pb	208	1503771.335	1.137	42.557	46.62260	1.13	ug/L

Na	23	S	S	S	S	S	ug/L
Mg	24	241861112.505	2.048	325.622	48155.09283	2.62	ug/L
K	39	387567257.899	1.735	520.208	48803.78224	0.67	ug/L
Ca	43	740230.221	1.152	0.996	48534.87881	1.99	ug/L
Fe	54	24151038.435	2.488	32.471	48238.35784	2.06	ug/L
Fe	57	10133222.483	1.492	13.629	48880.42534	0.94	ug/L
Sc-1	45	742864.787	1.319	742864.787			ug/L
Kr	83	175.835	2.385	65.001			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		105.965			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		105.921			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		101.119			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		101.793			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		105.965			
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCV

Sample Date/Time: Monday, April 26, 2010 16:17:51
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\CCV.060
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	40343.364	1.411	0.063	51.12579	3.39	ug/L
	B	11	43142.333	1.696	0.067	56.79624	3.66	ug/L
	Al	27	311177.588	2.266	0.478	52.74799	3.35	ug/L
>	Sc	45	638852.297	1.972	638852.297			ug/L
	Ti	47	27406.353	1.798	0.042	54.34142	2.77	ug/L
	V	51	333715.278	1.571	0.531	55.83104	1.79	ug/L
	Cr	52	291578.945	0.585	0.439	52.14105	2.66	ug/L
	Mn	55	477447.447	1.186	0.746	51.93708	1.71	ug/L
	Co	59	332101.456	1.975	0.520	53.13838	0.19	ug/L
	Ni	60	66366.914	0.376	0.104	52.81408	1.72	ug/L
	Cu	63	143374.027	1.223	1.146	52.99595	2.39	ug/L
	Cu	65	68886.578	0.470	0.551	52.50929	2.71	ug/L
	Zn	66	46128.234	0.855	0.364	54.04503	1.79	ug/L
	Zn	67	14137.815	1.339	0.066	59.69078	6.07	ug/L
	Zn	68	33001.484	1.512	0.254	53.37833	3.95	ug/L
>	Ge	72	124806.779	2.314	124806.779			ug/L
	As	75	44640.737	1.611	0.359	52.93340	1.59	ug/L
	Se	82	5324.824	1.801	0.043	54.01893	1.30	ug/L
	Sr	88	694911.899	2.839	5.566	56.23860	1.02	ug/L
	Mo	95	91442.668	0.488	0.732	55.35525	2.79	ug/L
	Mo	98	149259.779	0.993	1.194	55.05060	3.27	ug/L
	Ag	107	253573.627	0.603	1.375	50.25935	1.28	ug/L
	Cd	111	72644.492	0.919	0.394	52.10237	1.16	ug/L
	Cd	114	173586.717	1.101	0.941	51.38403	0.65	ug/L
>	In	115	184412.545	0.677	184412.545			ug/L
	Sn	118	228077.597	0.837	1.233	52.25630	1.14	ug/L
	Sb	121	247070.273	1.229	1.338	49.52049	1.89	ug/L
	Sb	123	193707.062	2.347	1.049	50.01111	2.89	ug/L
	Ba	135	67943.579	0.401	2.162	52.49085	1.83	ug/L
	Ba	137	120062.253	2.380	3.820	53.27777	0.90	ug/L
>	Tb	159	31409.655	1.685	31409.655			ug/L
	Hg	202	6203.033	0.872	0.196	2.62086	1.74	ug/L
	Tl	205	1102151.488	0.618	35.089	54.23659	2.28	ug/L
	Pb	208	1478793.310	0.706	47.083	51.58047	2.23	ug/L

Na	23	27242035.900	2.781	42.577	4084.04473	0.82	ug/L
Mg	24	17430281.224	0.808	27.284	4034.94966	1.33	ug/L
K	39	29005662.847	0.476	43.919	4120.31833	2.46	ug/L
Ca	43	55740.576	1.085	0.087	4229.82796	3.06	ug/L
Fe	54	1854216.934	0.354	2.864	4254.73385	2.07	ug/L
Fe	57	751592.886	1.401	1.165	4178.00510	2.35	ug/L
Sc-1	45	638852.297	1.972	638852.297			ug/L
Kr	83	98.167	5.969	-12.667			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		91.128			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		89.696			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		92.509			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		90.499			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		91.128			
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCB

Sample Date/Time: Monday, April 26, 2010 16:23:54
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\CCB.061
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	76.834	6.958	-0.000	-0.01687	45.46	ug/L
	B	11	3433.449	17.578	0.005	4.18263	19.23	ug/L
	Al	27	14075.383	0.837	0.013	1.42009	4.13	ug/L
>	Sc	45	650001.525	1.760	650001.525			ug/L
	Ti	47	774.380	3.685	0.000	0.20856	17.48	ug/L
	V	51	-3412.890	80.198	0.003	0.31634	142.02	ug/L
	Cr	52	11353.141	1.253	0.000	0.04412	120.46	ug/L
	Mn	55	1116.401	2.224	0.000	0.01911	13.24	ug/L
	Co	59	90.001	21.631	-0.000	-0.00183	173.24	ug/L
	Ni	60	539.185	2.630	0.001	0.35220	1.04	ug/L
	Cu	63	1041.414	2.432	0.005	0.22920	3.94	ug/L
	Cu	65	527.018	4.628	0.002	0.22795	6.60	ug/L
	Zn	66	2651.790	1.481	0.014	2.15141	3.35	ug/L
	Zn	67	7392.551	1.298	0.008	7.15193	2.58	ug/L
	Zn	68	2911.384	1.539	0.011	2.34485	1.10	ug/L
>	Ge	72	132767.657	1.030	132767.657			ug/L
	As	75	-117.923	70.193	0.001	0.08081	112.19	ug/L
	Se	82	14.902	38.969	0.000	0.11400	49.93	ug/L
	Sr	88	250.007	4.996	0.000	0.00440	17.23	ug/L
	Mo	95	769.153	22.477	0.004	0.34036	30.29	ug/L
	Mo	98	1236.605	28.999	0.007	0.33242	38.82	ug/L
	Ag	107	56.667	14.264	0.000	0.00213	76.68	ug/L
	Cd	111	35.053	15.780	0.000	0.00353	109.66	ug/L
	Cd	114	60.464	13.104	0.000	0.00495	42.65	ug/L
>	In	115	191783.085	1.186	191783.085			ug/L
	Sn	118	2070.305	17.965	0.007	0.29370	26.21	ug/L
	Sb	121	3541.595	37.972	0.017	0.62817	40.05	ug/L
	Sb	123	2696.651	42.124	0.013	0.60970	44.96	ug/L
	Ba	135	110.501	3.167	0.001	0.03604	4.74	ug/L
	Ba	137	176.004	6.327	0.003	0.04049	12.97	ug/L
>	Tb	159	32956.448	1.058	32956.448			ug/L
	Hg	202	116.134	4.702	0.002	0.03039	8.32	ug/L
	Tl	205	3766.651	19.969	0.104	0.16142	22.82	ug/L
	Pb	208	1275.387	11.850	0.029	0.03213	16.84	ug/L

Na	23	77059.228	1.698	0.058	5.52093	3.88	ug/L
Mg	24	4423.984	3.302	0.003	0.38479	11.08	ug/L
K	39	1045775.628	0.526	0.112	10.46912	27.04	ug/L
Ca	43	400.177	1.063	0.000	6.93975	8.81	ug/L
Fe	54	26833.801	0.155	0.002	3.19380	32.93	ug/L
Fe	57	8869.111	1.413	0.002	6.52220	11.50	ug/L
> Sc-1	45	650001.525	1.760	650001.525			ug/L
Kr	83	99.501	2.303	-11.333			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		92.719			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		95.417			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		96.207			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		94.956			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		92.719			
	Kr	83					

Sample ID: CCB
Report Date/Time: Monday, April 26, 2010 16:28:15
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Method 6020 - Summary Report

Sample ID: MB100423-4,5

Sample Date/Time: Monday, April 26, 2010 16:29:58
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020S
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\MB100423-4,5.062
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	73.834	13.567	-0.000	-0.01975	67.40	ug/L
	B	11	1928.078	12.968	0.003	2.24562	13.66	ug/L
	Al	27	10534.384	6.473	0.008	0.83573	14.73	ug/L
>	Sc	45	644045.146	0.925	644045.146			ug/L
	Ti	47	799.383	2.770	0.000	0.27361	17.93	ug/L
	V	51	-3237.831	94.167	0.003	0.34669	142.75	ug/L
	Cr	52	12009.414	4.774	0.002	0.18317	47.87	ug/L
	Mn	55	1100.822	8.737	0.000	0.01848	50.98	ug/L
	Co	59	107.002	0.935	0.000	0.00099	31.55	ug/L
	Ni	60	83.435	18.703	-0.000	-0.00408	289.91	ug/L
	Cu	63	163.670	13.991	-0.002	-0.07418	11.58	ug/L
	Cu	65	117.168	3.825	-0.001	-0.06305	5.84	ug/L
	Zn	66	681.864	3.321	-0.000	-0.02030	168.04	ug/L
	Zn	67	7196.369	4.209	0.009	7.77891	32.87	ug/L
	Zn	68	1599.333	4.409	0.002	0.36748	34.83	ug/L
>	Ge	72	127703.971	1.203	127703.971			ug/L
	As	75	-119.304	35.114	0.000	0.07327	66.37	ug/L
	Se	82	-7.215	96.445	-0.000	-0.09990	68.33	ug/L
	Sr	88	233.339	7.124	0.000	0.00385	39.99	ug/L
	Mo	95	342.158	11.783	0.001	0.10429	25.32	ug/L
	Mo	98	550.520	12.470	0.002	0.10107	25.62	ug/L
	Ag	107	47.334	18.458	0.000	0.00064	273.69	ug/L
	Cd	111	36.685	6.351	0.000	0.00548	28.32	ug/L
	Cd	114	55.840	13.190	0.000	0.00416	51.18	ug/L
>	In	115	185707.000	0.759	185707.000			ug/L
	Sn	118	7312.560	7.463	0.036	1.50623	9.02	ug/L
	Sb	121	918.733	23.689	0.004	0.12971	34.32	ug/L
	Sb	123	730.640	21.000	0.003	0.12898	31.48	ug/L
	Ba	135	97.501	4.070	0.001	0.02894	8.22	ug/L
	Ba	137	146.003	6.605	0.002	0.02990	14.31	ug/L
>	Tb	159	31861.171	1.135	31861.171			ug/L
	Hg	202	113.268	7.351	0.002	0.03081	11.59	ug/L
	Tl	205	1867.912	2.218	0.049	0.07519	3.94	ug/L
	Pb	208	1997.455	9.332	0.053	0.05839	11.19	ug/L

Na	23	35510.256	4.838	-0.006	-0.56450	38.32	ug/L
Mg	24	20429.965	0.345	0.028	4.06945	1.47	ug/L
K	39	1044938.938	0.192	0.125	11.71877	10.48	ug/L
Ca	43	426.178	1.593	0.000	9.17746	3.62	ug/L
Fe	54	25015.688	5.772	-0.000	-0.46089	616.15	ug/L
Fe	57	8431.785	0.753	0.001	4.53441	1.80	ug/L
Sc-1	45	644045.146	0.925	644045.146			ug/L
Kr	83	109.001	6.757	-1.833			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		91.869			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		91.778			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		93.159			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		91.800			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		91.869			
	Kr	83					

Sample ID: MB100423-4,5
Report Date/Time: Monday, April 26, 2010 16:34:18
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Method 6020 - Summary Report

Sample ID: L2100423-4,20

Sample Date/Time: Monday, April 26, 2010 16:36:01
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020S
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\L2100423-4,20.063
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	78590.058	10.902	0.127	103.38521	8.62	ug/L
	B	11	40242.777	8.058	0.065	54.95751	6.35	ug/L
	Al	27	25607371.812	11.258	41.576	4583.52137	9.25	ug/L
>	Sc	45	615073.709	2.597	615073.709			ug/L
	Ti	47	21294.210	10.855	0.034	43.53088	8.93	ug/L
	V	51	451986.421	9.527	0.742	78.09678	7.25	ug/L
	Cr	52	287423.041	11.117	0.450	53.34517	9.22	ug/L
	Mn	55	1533752.859	10.099	2.489	173.30318	7.84	ug/L
	Co	59	491161.406	11.597	0.797	81.51950	9.15	ug/L
	Ni	60	116796.544	12.735	0.189	96.42505	10.39	ug/L
	Cu	63	190324.710	10.931	1.613	74.58898	11.94	ug/L
	Cu	65	90310.828	9.466	0.765	72.98759	10.66	ug/L
	Zn	66	176245.186	10.062	1.491	221.25117	11.10	ug/L
	Zn	67	34240.302	9.248	0.243	221.33646	12.35	ug/L
	Zn	68	125917.352	10.071	1.058	222.59269	11.12	ug/L
>	Ge	72	117878.792	2.029	117878.792			ug/L
	As	75	93954.738	11.050	0.799	117.79004	11.99	ug/L
	Se	82	7508.022	10.946	0.064	80.74147	12.15	ug/L
	Sr	88	2039472.027	8.668	17.315	174.94213	9.73	ug/L
	Mo	95	69641.187	10.439	0.590	44.64009	11.47	ug/L
	Mo	98	114081.272	10.620	0.967	44.55398	11.72	ug/L
	Ag	107	182805.808	9.892	1.058	38.65789	9.97	ug/L
	Cd	111	124390.632	9.884	0.720	95.21441	10.01	ug/L
	Cd	114	299701.637	9.175	1.734	94.67736	9.30	ug/L
>	In	115	172836.900	0.275	172836.900			ug/L
	Sn	118	313358.643	8.470	1.809	76.68082	8.55	ug/L
	Sb	121	134643.154	10.013	0.778	28.77107	10.11	ug/L
	Sb	123	104759.227	10.550	0.605	28.83213	10.66	ug/L
	Ba	135	143326.169	11.393	4.160	101.00796	8.31	ug/L
	Ba	137	251230.763	11.016	7.293	101.71781	7.87	ug/L
>	Tb	159	34385.424	3.607	34385.424			ug/L
	Hg	202	6433.841	9.976	0.186	2.47867	7.01	ug/L
	Tl	205	1227979.585	8.727	35.662	55.12295	5.35	ug/L
	Pb	208	1935534.321	10.221	56.200	61.56848	6.93	ug/L

Na	23	7497553.662	8.043	12.118	1162.38781	5.60	ug/L
Mg	24	6971926.835	10.104	11.318	1673.71199	7.69	ug/L
K	39	11986851.534	8.959	17.974	1686.28356	7.53	ug/L
Ca	43	70606.015	10.366	0.114	5563.68440	8.16	ug/L
Fe	54	2314413.053	13.022	3.718	5522.72904	10.74	ug/L
Fe	57	966686.826	11.604	1.558	5586.50136	9.31	ug/L
> Sc-1	45	615073.709	2.597	615073.709			ug/L
Kr	83	91.167	8.324	-19.667			ug/L

Sample ID: L2100423-4,20
Report Date/Time: Monday, April 26, 2010 16:40:22
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QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		87.737			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		84.717			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		86.702			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		99.073			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		87.737			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME1004231-01A,20

Sample Date/Time: Monday, April 26, 2010 17:00:15
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020S
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\ME1004231-01A,20.067
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	196.336	7.892	0.000	0.15819	11.70	ug/L
	B	11	1979.089	6.461	0.003	2.56346	5.39	ug/L
	Al	27	33807519.636	8.177	57.508	6339.95583	6.36	ug/L
>	Sc	45	587357.635	2.095	587357.635			ug/L
	Ti	47	34145.891	7.267	0.057	74.04530	5.42	ug/L
	V	51	93190.461	10.614	0.167	17.54364	8.11	ug/L
	Cr	52	65408.597	8.573	0.094	11.17234	7.67	ug/L
	Mn	55	2102760.015	6.771	3.576	248.97492	4.73	ug/L
	Co	59	24040.234	7.849	0.041	4.16602	5.91	ug/L
	Ni	60	21004.150	7.316	0.036	18.11784	5.31	ug/L
	Cu	63	146921.698	5.833	1.192	55.11857	6.49	ug/L
	Cu	65	70486.496	6.953	0.572	54.52842	7.58	ug/L
	Zn	66	36903.072	6.723	0.295	43.72983	7.50	ug/L
	Zn	67	14893.253	4.046	0.073	66.78986	7.67	ug/L
	Zn	68	27778.237	7.171	0.215	45.25568	8.15	ug/L
>	Ge	72	122978.411	0.772	122978.411			ug/L
	As	75	37989.716	7.776	0.310	45.75430	8.36	ug/L
	Se	82	596.454	7.364	0.005	6.11642	7.89	ug/L
	Sr	88	62125.188	6.548	0.504	5.09105	7.17	ug/L
	Mo	95	1952.586	5.695	0.015	1.10289	6.82	ug/L
	Mo	98	3240.185	7.926	0.024	1.11711	9.29	ug/L
	Ag	107	541.691	2.352	0.003	0.11347	4.70	ug/L
	Cd	111	8913.776	7.303	0.055	7.25922	9.31	ug/L
	Cd	114	21072.117	6.445	0.130	7.08888	8.45	ug/L
>	In	115	162214.819	2.121	162214.819			ug/L
	Sn	118	87470.369	7.816	0.536	22.72118	9.88	ug/L
	Sb	121	271002.006	7.259	1.671	61.83473	9.23	ug/L
	Sb	123	210671.601	7.191	1.299	61.91991	9.21	ug/L
	Ba	135	56305.966	6.885	1.801	43.72412	7.19	ug/L
	Ba	137	98032.716	7.032	3.136	43.73814	7.27	ug/L
>	Tb	159	31242.297	0.706	31242.297			ug/L
	Hg	202	444.013	7.433	0.013	0.17314	8.47	ug/L
	Tl	205	4510.368	3.478	0.134	0.20774	4.50	ug/L
	Pb	208	104230038.431	7.141	3336.759	3655.49805	7.44	ug/L

Na	23	245750.495	5.259	0.357	34.26408	3.66	ug/L
Mg	24	4374064.225	9.665	7.436	1099.64283	7.74	ug/L
K	39	4131652.488	5.544	5.534	519.17204	4.87	ug/L
Ca	43	24636.512	6.856	0.041	2019.54891	5.22	ug/L
Fe	54	3635367.378	5.366	6.148	9132.68472	3.41	ug/L
Fe	57	1501583.410	6.758	2.543	9120.59705	4.67	ug/L
Sc-1	45	587357.635	2.095	587357.635			ug/L
Kr	83	97.001	5.455	-13.834			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		83.783			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		88.382			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		81.374			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		90.017			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		83.783			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME1004231-02A,20

Sample Date/Time: Monday, April 26, 2010 17:06:20
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020S
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\ME1004231-02A,20.068
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	203.169	11.581	0.000	0.16937	17.69	ug/L
	B	11	4272.023	7.148	0.007	5.90063	6.51	ug/L
	Al	27	16201816.490	7.667	27.745	3058.71040	6.75	ug/L
>	Sc	45	583529.781	1.038	583529.781			ug/L
	Ti	47	26610.343	6.521	0.045	57.81268	5.71	ug/L
	V	51	40070.125	5.691	0.077	8.09520	4.70	ug/L
	Cr	52	59118.643	4.905	0.084	9.98900	4.90	ug/L
	Mn	55	1094653.802	7.101	1.874	130.44374	6.17	ug/L
	Co	59	8404.368	9.622	0.014	1.45606	8.97	ug/L
	Ni	60	48983.396	8.151	0.084	42.63472	7.28	ug/L
	Cu	63	431383.072	7.659	3.563	164.71367	10.27	ug/L
	Cu	65	207274.494	6.775	1.711	163.20489	9.36	ug/L
	Zn	66	41872.812	6.530	0.341	50.53183	9.25	ug/L
	Zn	67	16519.393	2.541	0.089	80.72079	7.87	ug/L
	Zn	68	31378.391	6.672	0.249	52.26979	9.65	ug/L
>	Ge	72	121200.479	2.563	121200.479			ug/L
	As	75	40991.530	7.037	0.340	50.13229	9.41	ug/L
	Se	82	1524.208	8.142	0.013	15.92879	10.65	ug/L
	Sr	88	103264.138	7.085	0.852	8.60743	9.56	ug/L
	Mo	95	1571.700	6.739	0.012	0.88397	10.28	ug/L
	Mo	98	2563.762	7.538	0.019	0.87885	11.11	ug/L
	Ag	107	739.710	8.952	0.004	0.15554	11.34	ug/L
	Cd	111	20887.911	5.809	0.127	16.75926	7.77	ug/L
	Cd	114	49709.298	7.808	0.302	16.47132	9.75	ug/L
>	In	115	164876.820	2.033	164876.820			ug/L
	Sn	118	251089.175	6.160	1.521	64.44428	7.99	ug/L
	Sb	121	448550.007	7.881	2.722	100.72898	9.77	ug/L
	Sb	123	350653.884	7.548	2.128	101.43341	9.47	ug/L
	Ba	135	59155.116	5.952	1.936	47.01616	5.22	ug/L
	Ba	137	104159.811	7.091	3.410	47.56344	6.42	ug/L
>	Tb	159	30514.377	0.793	30514.377			ug/L
	Hg	202	818.577	5.954	0.026	0.34145	5.45	ug/L
	Tl	205	2898.242	3.160	0.085	0.13134	2.92	ug/L
	Pb	208	184068099.386	6.453	6030.730	6606.80713	5.81	ug/L

Na	23	218987.563	5.802	0.314	30.13439	5.80	ug/L
Mg	24	4515062.635	8.489	7.730	1143.16484	7.65	ug/L
K	39	3766934.617	4.174	4.957	465.00489	4.26	ug/L
Ca	43	72698.087	8.178	0.124	6044.34245	7.28	ug/L
Fe	54	1978247.008	4.478	3.350	4977.19084	3.70	ug/L
Fe	57	821523.093	8.378	1.395	5004.49607	7.54	ug/L
> Sc-1	45	583529.781	1.038	583529.781			ug/L
Kr	83	107.167	4.989	-3.667			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		83.237			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		87.104			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		82.709			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		87.920			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		83.237			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME1004231-03A,20

Sample Date/Time: Monday, April 26, 2010 17:12:24
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020S
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\ME1004231-03A,20.069
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	206.169	9.484	0.000	0.17259	14.67	ug/L
	B	11	3284.705	8.742	0.005	4.45046	6.46	ug/L
	Al	27	25711711.477	12.237	43.814	4830.23051	9.64	ug/L
>	Sc	45	585773.926	2.612	585773.926			ug/L
	Ti	47	32178.104	11.792	0.054	69.84077	9.71	ug/L
	V	51	66083.912	18.896	0.121	12.71069	15.53	ug/L
	Cr	52	63431.090	8.767	0.091	10.80643	7.56	ug/L
	Mn	55	1880852.639	8.857	3.207	223.23600	6.79	ug/L
	Co	59	16993.045	10.082	0.029	2.94667	7.66	ug/L
	Ni	60	26912.396	10.062	0.046	23.28789	7.95	ug/L
	Cu	63	189196.542	9.410	1.531	70.77640	8.54	ug/L
	Cu	65	89866.355	10.510	0.727	69.32409	9.74	ug/L
	Zn	66	39272.858	10.227	0.313	46.42412	9.43	ug/L
	Zn	67	15259.305	4.287	0.076	69.16407	5.53	ug/L
	Zn	68	29327.680	10.119	0.227	47.73122	9.60	ug/L
>	Ge	72	123303.528	1.365	123303.528			ug/L
	As	75	21814.431	10.126	0.178	26.27129	9.16	ug/L
	Se	82	720.678	6.920	0.006	7.37205	5.96	ug/L
	Sr	88	88117.894	9.281	0.713	7.20188	8.18	ug/L
	Mo	95	1818.070	8.548	0.013	1.01662	8.80	ug/L
	Mo	98	2932.729	10.058	0.022	0.99798	10.04	ug/L
	Ag	107	505.355	8.798	0.003	0.10305	9.93	ug/L
	Cd	111	9645.027	9.411	0.058	7.69725	9.68	ug/L
	Cd	114	22824.921	9.237	0.138	7.52386	9.25	ug/L
>	In	115	165377.391	1.196	165377.391			ug/L
	Sn	118	93387.256	9.765	0.561	23.77376	10.08	ug/L
	Sb	121	191426.887	10.763	1.156	42.77749	10.93	ug/L
	Sb	123	150365.906	8.763	0.908	43.28117	8.92	ug/L
	Ba	135	56523.010	9.638	1.810	43.95382	9.11	ug/L
	Ba	137	100127.219	8.998	3.207	44.73725	8.44	ug/L
>	Tb	159	31183.391	0.579	31183.391			ug/L
	Hg	202	479.015	8.463	0.014	0.18839	8.64	ug/L
	Tl	205	2896.242	6.094	0.083	0.12809	6.42	ug/L
	Pb	208	80305409.690	9.169	2574.419	2820.33749	8.60	ug/L

Na	23	192395.578	10.074	0.267	25.61690	9.54	ug/L
Mg	24	4644582.698	11.568	7.913	1170.16876	8.90	ug/L
K	39	4698664.519	8.140	6.516	611.33489	6.91	ug/L
Ca	43	49474.135	10.741	0.084	4086.68010	8.32	ug/L
Fe	54	2878911.470	9.546	4.870	7235.14906	7.27	ug/L
Fe	57	1194916.189	11.125	2.025	7263.58567	8.73	ug/L
Sc-1	45	585773.926	2.612	585773.926			ug/L
Kr	83	95.667	1.835	-15.167			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		83.557			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		88.615			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		82.960			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		89.847			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		83.557			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME1004231-04A,20

Sample Date/Time: Monday, April 26, 2010 17:18:30
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020S
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\ME1004231-04A,20.070
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	284.172	5.030	0.000	0.27408	6.75	ug/L
	B	11	3910.162	5.303	0.006	5.26209	4.55	ug/L
	Al	27	35417541.528	4.805	59.433	6552.18582	3.82	ug/L
>	Sc	45	595687.630	0.969	595687.630			ug/L
	Ti	47	35148.050	6.841	0.058	75.19461	5.98	ug/L
	V	51	95256.528	10.522	0.168	17.68585	9.29	ug/L
	Cr	52	68067.149	5.707	0.097	11.52447	5.55	ug/L
	Mn	55	1314954.836	8.285	2.205	153.50326	7.29	ug/L
	Co	59	19258.066	9.041	0.032	3.28798	8.08	ug/L
	Ni	60	13685.596	6.612	0.023	11.61871	5.66	ug/L
	Cu	63	60226.598	7.238	0.497	22.95648	7.29	ug/L
	Cu	65	29124.544	7.011	0.240	22.88209	7.12	ug/L
	Zn	66	38308.165	5.341	0.312	46.32462	5.49	ug/L
	Zn	67	14566.791	3.482	0.073	66.48156	5.73	ug/L
	Zn	68	28254.562	5.377	0.224	47.00965	5.65	ug/L
>	Ge	72	120595.726	0.331	120595.726			ug/L
	As	75	6154.565	9.257	0.052	7.73254	9.05	ug/L
	Se	82	202.852	13.914	0.002	2.10223	14.21	ug/L
	Sr	88	109295.965	6.628	0.905	9.14278	6.74	ug/L
	Mo	95	954.952	7.940	0.007	0.50046	9.50	ug/L
	Mo	98	1498.646	6.102	0.010	0.47508	7.51	ug/L
	Ag	107	386.680	3.769	0.002	0.07649	3.47	ug/L
	Cd	111	2042.445	5.692	0.012	1.60781	5.47	ug/L
	Cd	114	4546.392	2.633	0.027	1.48372	2.31	ug/L
>	In	115	165934.056	0.678	165934.056			ug/L
	Sn	118	14460.102	7.096	0.083	3.52952	7.03	ug/L
	Sb	121	30642.362	5.996	0.183	6.77776	5.55	ug/L
	Sb	123	24110.152	5.281	0.144	6.86569	4.89	ug/L
	Ba	135	62651.362	5.937	1.769	42.96698	4.98	ug/L
	Ba	137	109602.448	5.225	3.097	43.18971	4.25	ug/L
>	Tb	159	35358.437	1.105	35358.437			ug/L
	Hg	202	336.541	0.327	0.008	0.11043	0.98	ug/L
	Tl	205	2826.214	3.141	0.070	0.10808	2.37	ug/L
	Pb	208	12443286.162	4.808	351.830	385.43758	3.87	ug/L

Na	23	295953.268	5.601	0.436	41.79059	5.30	ug/L
Mg	24	6980550.066	5.718	11.711	1731.89004	4.81	ug/L
K	39	6461381.755	4.353	9.347	876.89233	3.92	ug/L
Ca	43	65425.191	6.636	0.109	5326.38077	5.67	ug/L
Fe	54	4076372.295	7.894	6.801	10103.28798	6.94	ug/L
Fe	57	1676178.125	7.259	2.801	10045.32378	6.29	ug/L
> Sc-1	45	595687.630	0.969	595687.630			ug/L
Kr	83	105.834	3.482	-5.000			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		84.971			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		86.669			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		83.240			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		101.877			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		84.971			
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCV

Sample Date/Time: Monday, April 26, 2010 17:30:39
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\CCV.072
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	27129.265	1.706	0.047	38.35945	1.60	ug/L
	B	11	27000.303	0.194	0.047	39.60892	2.12	ug/L
	Al	27	263124.359	0.860	0.451	49.76064	2.13	ug/L
>	Sc	45	571975.567	2.000	571975.567			ug/L
	Ti	47	25439.254	1.251	0.043	56.38599	2.20	ug/L
	V	51	311590.150	1.294	0.553	58.19056	2.01	ug/L
	Cr	52	283716.819	1.670	0.479	56.83476	2.19	ug/L
	Mn	55	436420.547	1.519	0.762	53.03570	2.94	ug/L
	Co	59	325049.522	0.356	0.568	58.10676	1.85	ug/L
	Ni	60	65309.967	2.515	0.114	58.04088	0.92	ug/L
	Cu	63	141720.881	1.589	1.167	53.94530	1.00	ug/L
	Cu	65	68422.820	1.110	0.563	53.70632	0.54	ug/L
	Zn	66	42599.801	0.498	0.346	51.36580	1.69	ug/L
	Zn	67	14875.037	1.403	0.075	68.28797	1.95	ug/L
	Zn	68	31340.730	1.798	0.248	52.13586	1.40	ug/L
>	Ge	72	121167.538	1.600	121167.538			ug/L
	As	75	43030.743	1.331	0.357	52.55106	0.65	ug/L
	Se	82	4783.323	0.475	0.039	49.98124	1.32	ug/L
	Sr	88	612335.685	1.169	5.053	51.05179	1.55	ug/L
	Mo	95	86813.980	0.439	0.715	54.11573	1.70	ug/L
	Mo	98	140488.990	0.458	1.158	53.35344	1.97	ug/L
	Ag	107	246070.592	1.999	1.476	53.94919	1.66	ug/L
	Cd	111	64807.470	0.552	0.389	51.41782	0.54	ug/L
	Cd	114	155170.714	0.900	0.931	50.81421	1.23	ug/L
>	In	115	166703.189	0.491	166703.189			ug/L
	Sn	118	205009.750	0.759	1.226	51.95985	1.13	ug/L
	Sb	121	224671.185	2.013	1.346	49.81203	2.11	ug/L
	Sb	123	175495.591	1.496	1.052	50.11989	1.91	ug/L
	Ba	135	64206.182	0.456	2.288	55.56872	0.48	ug/L
	Ba	137	111968.142	0.650	3.992	55.67513	0.73	ug/L
>	Tb	159	28033.603	0.192	28033.603			ug/L
	Hg	202	5739.140	0.304	0.203	2.71703	0.20	ug/L
	Tl	205	1018297.826	0.529	36.315	56.13152	0.71	ug/L
	Pb	208	1359803.663	1.571	48.497	53.12941	1.56	ug/L

Na	23	22995749.513	2.827	40.146	3850.87672	2.42	ug/L
Mg	24	14950561.636	1.044	26.138	3865.40948	0.98	ug/L
K	39	25172986.748	0.899	42.522	3989.21805	1.73	ug/L
Ca	43	47424.588	1.143	0.082	4017.56692	1.74	ug/L
Fe	54	1712978.517	1.063	2.956	4391.50439	1.10	ug/L
Fe	57	694334.712	1.097	1.202	4312.09142	1.66	ug/L
Sc-1	45	571975.567	2.000	571975.567			ug/L
Kr	83	98.834	6.869	-12.000			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		81.589			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		87.080			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		83.626			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		80.772			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		81.589			
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCB

Sample Date/Time: Monday, April 26, 2010 17:36:43
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\CCB.073
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	76.500	3.396	-0.000	-0.00434	111.99	ug/L
	B	11	990.899	20.792	0.001	1.18067	25.29	ug/L
	Al	27	10671.594	2.034	0.010	1.08812	3.29	ug/L
>	Sc	45	572228.288	1.076	572228.288			ug/L
	Ti	47	729.709	2.062	0.000	0.31755	7.21	ug/L
	V	51	-5264.874	47.334	-0.001	-0.09824	474.94	ug/L
	Cr	52	12997.140	1.868	0.006	0.66631	8.79	ug/L
	Mn	55	1110.376	4.992	0.000	0.03468	23.56	ug/L
	Co	59	96.002	4.541	0.000	0.00117	83.05	ug/L
	Ni	60	473.084	1.499	0.001	0.35085	1.83	ug/L
	Cu	63	923.398	2.614	0.005	0.21841	3.10	ug/L
	Cu	65	462.681	1.088	0.002	0.21315	0.23	ug/L
	Zn	66	2040.937	1.066	0.011	1.68370	2.49	ug/L
	Zn	67	8105.602	1.068	0.019	17.29696	2.14	ug/L
	Zn	68	2542.920	0.922	0.010	2.14173	2.69	ug/L
>	Ge	72	121318.421	0.967	121318.421			ug/L
	As	75	-92.726	53.802	0.001	0.09852	61.58	ug/L
	Se	82	11.244	35.712	0.000	0.08912	48.16	ug/L
	Sr	88	226.006	5.854	0.000	0.00421	29.25	ug/L
	Mo	95	442.817	31.474	0.002	0.17709	47.62	ug/L
	Mo	98	726.538	41.538	0.004	0.17773	62.96	ug/L
	Ag	107	49.001	19.468	0.000	0.00182	114.45	ug/L
	Cd	111	37.644	6.896	0.000	0.00851	21.69	ug/L
	Cd	114	52.263	21.494	0.000	0.00448	82.22	ug/L
>	In	115	170721.255	0.557	170721.255			ug/L
	Sn	118	909.731	21.433	0.001	0.06264	78.14	ug/L
	Sb	121	2683.214	41.196	0.014	0.52848	45.60	ug/L
	Sb	123	2066.597	37.703	0.011	0.51870	42.22	ug/L
	Ba	135	72.334	8.807	0.001	0.01745	28.52	ug/L
	Ba	137	109.002	6.616	0.001	0.02040	20.26	ug/L
>	Tb	159	27948.630	0.957	27948.630			ug/L
	Hg	202	114.401	11.706	0.003	0.03802	18.10	ug/L
	Tl	205	1789.913	38.362	0.054	0.08377	46.64	ug/L
	Pb	208	2083.131	16.705	0.065	0.07144	20.21	ug/L

Na	23	39988.068	0.388	0.009	0.85122	5.45	ug/L
Mg	24	4183.180	3.282	0.003	0.45909	7.97	ug/L
K	39	1036664.127	0.368	0.314	29.46968	5.90	ug/L
Ca	43	372.176	4.042	0.000	8.63148	16.33	ug/L
Fe	54	27269.771	0.948	0.009	12.65894	11.36	ug/L
Fe	57	9321.145	1.844	0.004	16.00167	5.88	ug/L
Sc-1	45	572228.288	1.076	572228.288			ug/L
Kr	83	98.501	2.686	-12.334			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		81.625			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		87.189			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		85.641			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		80.527			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		81.625			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME1004231-05A,20

Sample Date/Time: Monday, April 26, 2010 17:42:46
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020S
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\ME1004231-05A,20.074
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	294.672	9.239	0.000	0.29008	9.46	ug/L
	B	11	6450.058	10.997	0.011	8.89935	8.30	ug/L
	Al	27	30842287.863	14.360	51.932	5725.22461	11.72	ug/L
>	Sc	45	592590.169	2.960	592590.169			ug/L
	Ti	47	64011.666	11.848	0.107	138.59627	9.21	ug/L
	V	51	129562.685	12.727	0.227	23.83939	10.29	ug/L
	Cr	52	71447.693	11.711	0.103	12.25336	10.44	ug/L
	Mn	55	4750138.730	14.082	7.999	556.84439	11.48	ug/L
	Co	59	34771.703	13.470	0.058	5.97192	10.61	ug/L
	Ni	60	32241.735	13.837	0.054	27.56708	11.19	ug/L
	Cu	63	62469.397	14.425	0.525	24.27571	14.34	ug/L
	Cu	65	30403.891	13.790	0.255	24.35448	13.70	ug/L
	Zn	66	49214.148	14.607	0.410	60.90477	14.64	ug/L
	Zn	67	16069.687	8.769	0.088	80.17731	13.30	ug/L
	Zn	68	35942.152	12.572	0.293	61.62079	12.86	ug/L
>	Ge	72	118305.057	0.260	118305.057			ug/L
	As	75	8680.037	15.813	0.075	11.02198	15.35	ug/L
	Se	82	81.718	11.456	0.001	0.84640	11.87	ug/L
	Sr	88	658323.147	13.638	5.562	56.20054	13.49	ug/L
	Mo	95	13833.763	12.567	0.116	8.74655	12.54	ug/L
	Mo	98	22336.013	11.780	0.187	8.60292	11.74	ug/L
	Ag	107	306.343	11.699	0.002	0.06258	14.71	ug/L
	Cd	111	1644.312	15.799	0.010	1.36412	17.19	ug/L
	Cd	114	3334.889	11.923	0.021	1.14644	13.26	ug/L
>	In	115	157331.320	1.409	157331.320			ug/L
	Sn	118	11693.432	13.083	0.071	2.99045	15.01	ug/L
	Sb	121	21836.516	12.998	0.138	5.08786	14.32	ug/L
	Sb	123	17046.596	12.988	0.107	5.11151	14.31	ug/L
	Ba	135	55491.187	13.998	1.567	38.05893	10.69	ug/L
	Ba	137	97516.119	13.095	2.756	38.44237	9.87	ug/L
>	Tb	159	35276.787	3.452	35276.787			ug/L
	Hg	202	186.402	10.316	0.004	0.05380	9.91	ug/L
	Tl	205	12864.921	7.816	0.354	0.54768	4.56	ug/L
	Pb	208	8167293.488	13.160	230.998	253.06382	9.84	ug/L

Na	23	665705.659	11.902	1.061	101.73079	9.72	ug/L
Mg	24	70441978.228	14.085	118.620	17542.32203	11.26	ug/L
K	39	8073105.604	11.492	12.105	1135.66249	9.96	ug/L
Ca	43	770982.810	14.895	1.298	63230.87224	12.19	ug/L
Fe	54	7090335.091	13.755	11.902	17680.66791	10.95	ug/L
Fe	57	3043835.179	12.681	5.116	18346.69658	9.95	ug/L
> Sc-1	45	592590.169	2.960	592590.169			ug/L
Kr	83	117.001	8.142	6.167			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		84.529			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		85.023			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		78.924			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		101.641			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		84.529			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME1004231-06A,20

Sample Date/Time: Monday, April 26, 2010 17:48:50
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020S
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\ME1004231-06A,20.075
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	429.345	7.699	0.001	0.46394	8.94	ug/L
	B	11	5796.523	6.688	0.009	7.83074	6.82	ug/L
	Al	27	49074717.760	10.760	81.292	8962.02648	10.68	ug/L
>	Sc	45	603634.396	1.055	603634.396			ug/L
	Ti	47	42943.249	8.844	0.070	90.98755	9.16	ug/L
	V	51	131826.398	14.201	0.227	23.84851	13.69	ug/L
	Cr	52	86169.962	7.528	0.126	14.91070	8.74	ug/L
	Mn	55	2735853.982	8.366	4.532	315.47158	8.53	ug/L
	Co	59	30762.986	8.404	0.051	5.19555	8.49	ug/L
	Ni	60	20142.675	9.233	0.033	16.91570	9.39	ug/L
	Cu	63	68886.756	9.050	0.566	26.17501	9.48	ug/L
	Cu	65	32827.299	9.311	0.270	25.71001	9.75	ug/L
	Zn	66	46901.506	8.121	0.382	56.67437	8.63	ug/L
	Zn	67	15675.808	4.166	0.082	74.39136	7.23	ug/L
	Zn	68	34671.817	8.274	0.276	57.96771	9.00	ug/L
>	Ge	72	121090.915	0.398	121090.915			ug/L
	As	75	7186.912	8.260	0.061	8.95998	8.44	ug/L
	Se	82	177.802	9.284	0.001	1.83162	9.72	ug/L
	Sr	88	163852.602	9.546	1.352	13.66067	9.94	ug/L
	Mo	95	1855.508	9.805	0.014	1.06097	11.13	ug/L
	Mo	98	3042.605	9.577	0.023	1.06069	10.88	ug/L
	Ag	107	465.685	8.307	0.003	0.09405	8.63	ug/L
	Cd	111	2029.382	8.527	0.012	1.59965	8.15	ug/L
	Cd	114	4097.740	9.294	0.025	1.33791	8.95	ug/L
>	In	115	165673.702	0.761	165673.702			ug/L
	Sn	118	14399.660	7.509	0.083	3.51950	7.32	ug/L
	Sb	121	22210.110	9.794	0.133	4.90522	9.50	ug/L
	Sb	123	17205.957	9.066	0.103	4.88978	8.69	ug/L
	Ba	135	92252.148	9.734	2.471	60.00053	7.27	ug/L
	Ba	137	160720.529	9.078	4.306	60.06173	6.59	ug/L
>	Tb	159	37261.107	2.632	37261.107			ug/L
	Hg	202	315.540	9.845	0.007	0.09626	8.59	ug/L
	Tl	205	4231.541	4.416	0.104	0.16003	2.05	ug/L
	Pb	208	11697515.305	9.124	313.579	343.53367	6.66	ug/L

Na	23	462130.101	7.267	0.705	67.59909	8.23	ug/L
Mg	24	17166180.039	8.655	28.440	4205.82407	8.89	ug/L
K	39	7660490.441	7.089	11.195	1050.23625	8.22	ug/L
Ca	43	121379.659	10.085	0.201	9775.48625	10.16	ug/L
Fe	54	5679031.481	7.975	9.370	13919.95037	8.13	ug/L
Fe	57	2392329.130	8.019	3.952	14173.34861	8.16	ug/L
Sc-1	45	603634.396	1.055	603634.396			ug/L
Kr	83	107.667	6.971	-3.167			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		86.105			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		87.025			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		83.109			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		107.359			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		86.105			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME1004231-07A,20

Sample Date/Time: Monday, April 26, 2010 17:54:54
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020S
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\ME1004231-07A,20.076
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	185.002	8.322	0.000	0.15511	9.86	ug/L
	B	11	4951.094	3.534	0.009	7.19287	1.27	ug/L
	Al	27	16644047.598	2.898	29.738	3278.42784	0.77	ug/L
>	Sc	45	559506.625	2.583	559506.625			ug/L
	Ti	47	30862.785	2.267	0.054	70.27791	4.05	ug/L
	V	51	57554.105	4.945	0.111	11.70550	6.68	ug/L
	Cr	52	50168.410	2.399	0.073	8.61022	0.86	ug/L
	Mn	55	1935861.364	1.332	3.459	240.83317	1.75	ug/L
	Co	59	21747.255	1.733	0.039	3.95902	1.14	ug/L
	Ni	60	14145.163	2.033	0.025	12.80069	2.43	ug/L
	Cu	63	46509.379	2.743	0.396	18.29437	1.95	ug/L
	Cu	65	22454.894	0.480	0.191	18.20538	1.69	ug/L
	Zn	66	33450.284	3.061	0.281	41.72021	1.72	ug/L
	Zn	67	13726.403	0.896	0.070	63.61680	1.20	ug/L
	Zn	68	24897.077	2.579	0.203	42.60539	1.25	ug/L
>	Ge	72	116683.596	1.545	116683.596			ug/L
	As	75	6127.339	2.976	0.054	7.94947	1.96	ug/L
	Se	82	112.029	8.899	0.001	1.18836	9.99	ug/L
	Sr	88	658451.162	2.182	5.641	56.99910	1.14	ug/L
	Mo	95	1906.175	1.409	0.015	1.13732	0.49	ug/L
	Mo	98	3077.949	1.679	0.024	1.11812	1.28	ug/L
	Ag	107	226.672	4.099	0.001	0.04416	3.38	ug/L
	Cd	111	1686.230	3.021	0.011	1.40220	1.95	ug/L
	Cd	114	3761.405	2.774	0.024	1.29772	2.60	ug/L
>	In	115	156784.728	1.258	156784.728			ug/L
	Sn	118	15660.422	2.589	0.096	4.06961	1.39	ug/L
	Sb	121	28476.930	3.019	0.180	6.66569	1.86	ug/L
	Sb	123	22032.811	1.663	0.139	6.63896	0.43	ug/L
	Ba	135	31114.638	0.896	0.997	24.20184	2.00	ug/L
	Ba	137	54625.496	1.085	1.751	24.41718	1.84	ug/L
>	Tb	159	31171.376	2.891	31171.376			ug/L
	Hg	202	197.069	0.975	0.005	0.06780	3.88	ug/L
	Tl	205	2198.336	1.889	0.061	0.09364	5.08	ug/L
	Pb	208	12638210.006	1.479	405.568	444.30962	1.97	ug/L

Na	23	577476.078	2.628	0.971	93.15062	0.45	ug/L
Mg	24	54653199.657	3.730	97.658	14442.34918	1.20	ug/L
K	39	4972058.997	2.603	7.389	693.19165	0.21	ug/L
Ca	43	1042491.103	2.416	1.863	90763.89293	0.56	ug/L
Fe	54	3243740.571	2.068	5.759	8555.44512	1.09	ug/L
Fe	57	1496255.813	2.553	2.663	9549.61490	1.70	ug/L
> Sc-1	45	559506.625	2.583	559506.625			ug/L
Kr	83	112.001	8.622	1.167			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		79.810			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		83.858			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		78.650			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		89.813			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		79.810			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME1004231-07ASD,100

Sample Date/Time: Monday, April 26, 2010 18:00:58
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020S
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\ME1004231-07ASD,100.077
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	87.834	3.135	0.000	0.03121	15.18	ug/L
	B	11	942.558	2.715	0.002	1.32869	5.74	ug/L
	Al	27	2663594.610	0.155	5.376	592.71513	2.11	ug/L
>	Sc	45	494774.524	2.239	494774.524			ug/L
	Ti	47	5701.837	1.754	0.010	13.61768	1.39	ug/L
	V	51	11116.888	3.443	0.031	3.23790	3.99	ug/L
	Cr	52	12534.871	3.842	0.008	0.97952	17.90	ug/L
	Mn	55	331603.671	1.795	0.669	46.56117	0.77	ug/L
	Co	59	3964.728	2.714	0.008	0.80361	3.48	ug/L
	Ni	60	2733.699	1.711	0.005	2.74363	3.88	ug/L
	Cu	63	9097.801	0.664	0.077	3.55590	0.80	ug/L
	Cu	65	4384.583	2.057	0.037	3.51689	1.86	ug/L
	Zn	66	7058.071	1.797	0.056	8.37289	1.52	ug/L
	Zn	67	5341.530	8.539	-0.001	-0.89339	406.78	ug/L
	Zn	68	5572.518	1.136	0.038	8.01300	1.83	ug/L
>	Ge	72	114012.972	0.428	114012.972			ug/L
	As	75	1205.098	3.834	0.012	1.76880	3.30	ug/L
	Se	82	21.229	47.805	0.000	0.20698	54.08	ug/L
	Sr	88	117530.364	1.517	1.029	10.40106	1.71	ug/L
	Mo	95	414.780	4.437	0.002	0.17660	6.70	ug/L
	Mo	98	666.029	1.727	0.004	0.17152	2.26	ug/L
	Ag	107	81.001	10.105	0.000	0.00954	20.83	ug/L
	Cd	111	356.557	4.411	0.002	0.26935	3.34	ug/L
	Cd	114	735.849	0.957	0.004	0.23481	1.11	ug/L
>	In	115	162634.163	1.300	162634.163			ug/L
	Sn	118	2927.586	2.093	0.014	0.59983	4.10	ug/L
	Sb	121	5285.870	3.458	0.031	1.14936	4.56	ug/L
	Sb	123	4200.474	0.903	0.025	1.17252	2.28	ug/L
	Ba	135	5992.667	0.623	0.211	5.12522	2.97	ug/L
	Ba	137	10530.977	1.709	0.372	5.18395	1.96	ug/L
>	Tb	159	28156.406	2.481	28156.406			ug/L
	Hg	202	91.601	5.107	0.002	0.02678	8.50	ug/L
	Tl	205	770.380	5.177	0.017	0.02685	9.10	ug/L
	Pb	208	2531466.643	0.590	89.933	98.52352	2.41	ug/L

Na	23	99546.403	1.577	0.140	13.45753	5.35	ug/L
Mg	24	8583280.223	0.414	17.350	2565.90079	2.63	ug/L
K	39	1589152.114	0.393	1.715	160.91155	3.73	ug/L
Ca	43	171380.472	1.294	0.346	16857.81032	1.91	ug/L
Fe	54	591096.916	0.292	1.156	1717.28022	2.54	ug/L
Fe	57	270980.082	1.150	0.536	1922.52306	2.68	ug/L
Sc-1	45	494774.524	2.239	494774.524			ug/L
Kr	83	92.501	8.180	-18.334			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		70.577			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		81.938			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		81.584			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		81.126			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		70.577			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME1004231-07AMS,20

Sample Date/Time: Monday, April 26, 2010 18:07:02
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020S
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\ME1004231-07AMS,20.078
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	5203.095	4.322	0.009	7.48663	2.81	ug/L
	B	11	51592.030	2.896	0.093	78.22114	1.24	ug/L
	Al	27	23141655.581	4.263	41.670	4593.88269	3.07	ug/L
>	Sc	45	555151.779	1.937	555151.779			ug/L
	Ti	47	79753.335	2.944	0.143	185.08712	2.84	ug/L
	V	51	646674.913	2.876	1.173	123.41993	2.65	ug/L
	Cr	52	545370.480	3.288	0.965	114.51474	1.95	ug/L
	Mn	55	1911629.115	2.606	3.442	239.63517	2.19	ug/L
	Co	59	77157.206	4.014	0.139	14.19286	2.65	ug/L
	Ni	60	124569.026	2.188	0.224	114.14351	1.98	ug/L
	Cu	63	67516.515	2.948	0.596	27.56690	3.76	ug/L
	Cu	65	33338.290	2.724	0.294	28.06470	3.82	ug/L
	Zn	66	101006.752	3.692	0.891	132.20371	4.72	ug/L
	Zn	67	24913.966	2.626	0.173	157.86402	4.31	ug/L
	Zn	68	72791.952	2.660	0.635	133.59170	3.67	ug/L
>	Ge	72	112715.693	1.153	112715.693			ug/L
	As	75	83235.528	3.607	0.740	109.07073	4.46	ug/L
	Se	82	8586.261	2.835	0.076	96.48612	3.87	ug/L
	Sr	88	841886.310	3.371	7.470	75.47239	4.30	ug/L
	Mo	95	159436.109	2.726	1.414	106.94161	3.70	ug/L
	Mo	98	256495.856	2.448	2.274	104.80794	3.32	ug/L
	Ag	107	42270.255	1.201	0.277	10.12246	1.69	ug/L
	Cd	111	12823.400	3.406	0.084	11.10458	3.91	ug/L
	Cd	114	30286.737	2.080	0.198	10.83081	2.65	ug/L
>	In	115	152529.741	0.573	152529.741			ug/L
	Sn	118	373894.165	3.842	2.448	103.74348	4.35	ug/L
	Sb	121	324417.359	3.093	2.126	78.64973	3.62	ug/L
	Sb	123	252353.610	2.804	1.653	78.80473	3.30	ug/L
	Ba	135	157773.397	3.761	5.111	124.10276	2.97	ug/L
	Ba	137	278170.232	4.050	9.012	125.70087	3.48	ug/L
>	Tb	159	30855.745	1.472	30855.745			ug/L
	Hg	202	183.469	2.671	0.005	0.06274	3.66	ug/L
	Tl	205	1686909.312	1.614	54.661	84.49021	0.81	ug/L
	Pb	208	14167620.955	2.780	459.125	502.98192	2.00	ug/L

⌈	Na	23	5735939.189	3.056	10.271	985.19842	2.09	ug/L
|	Mg	24	56208829.729	5.047	101.220	14969.06987	3.72	ug/L
|	K	39	12716150.325	3.880	21.405	2008.09624	2.75	ug/L
|	Ca	43	1180173.016	3.137	2.125	103560.28567	2.65	ug/L
|	Fe	54	3002302.369	2.351	5.369	7976.13164	1.59	ug/L
|	Fe	57	1426214.894	3.437	2.557	9170.52333	2.23	ug/L
⌊>	Sc-1	45	555151.779	1.937	555151.779			ug/L
	Kr	83	123.001	1.076	12.167			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		79.189			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		81.006			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		76.515			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		88.903			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		79.189			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME1004231-07AMSD,20

Sample Date/Time: Monday, April 26, 2010 18:13:06
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020S
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\ME1004231-07AMSD,20.079
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	5547.018	12.009	0.010	8.16080	9.88	ug/L
	B	11	57326.869	11.035	0.105	88.80153	8.90	ug/L
	Al	27	25638319.711	10.680	47.156	5198.72117	8.67	ug/L
>	Sc	45	542981.118	2.254	542981.118			ug/L
	Ti	47	87203.445	9.199	0.159	206.88372	7.55	ug/L
	V	51	706880.253	10.794	1.309	137.66330	8.71	ug/L
	Cr	52	580233.767	9.884	1.050	124.63040	8.01	ug/L
	Mn	55	2004393.529	9.869	3.686	256.61020	7.69	ug/L
	Co	59	83049.875	11.855	0.153	15.60294	9.77	ug/L
	Ni	60	134009.991	9.914	0.246	125.42609	8.13	ug/L
	Cu	63	75665.995	10.278	0.670	30.96785	9.64	ug/L
	Cu	65	36785.498	10.027	0.325	31.03927	9.46	ug/L
	Zn	66	109112.691	9.021	0.965	143.13896	8.42	ug/L
	Zn	67	26456.880	6.484	0.187	170.78032	7.34	ug/L
	Zn	68	78937.605	9.659	0.691	145.33712	9.15	ug/L
>	Ge	72	112434.813	0.728	112434.813			ug/L
	As	75	89899.519	9.947	0.801	117.99872	9.24	ug/L
	Se	82	9113.090	9.959	0.081	102.59165	9.26	ug/L
	Sr	88	814042.095	10.899	7.235	73.10334	10.20	ug/L
	Mo	95	168574.021	10.062	1.497	113.28249	9.38	ug/L
	Mo	98	274039.927	9.801	2.434	112.19593	9.17	ug/L
	Ag	107	44790.735	8.323	0.293	10.71359	8.68	ug/L
	Cd	111	13626.698	9.171	0.089	11.78651	9.52	ug/L
	Cd	114	32601.686	11.031	0.213	11.64604	11.40	ug/L
>	In	115	152742.794	0.852	152742.794			ug/L
	Sn	118	401387.193	10.381	2.625	111.23907	10.66	ug/L
	Sb	121	349966.583	10.709	2.290	84.74490	11.05	ug/L
	Sb	123	275418.543	9.750	1.802	85.90905	10.12	ug/L
	Ba	135	169252.438	10.070	5.467	132.74033	7.09	ug/L
	Ba	137	297066.949	9.588	9.597	133.85344	6.57	ug/L
>	Tb	159	30906.310	3.047	30906.310			ug/L
	Hg	202	197.669	4.134	0.005	0.06873	3.44	ug/L
	Tl	205	1806215.255	8.140	58.371	90.22458	5.16	ug/L
	Pb	208	15637083.612	9.571	505.273	553.53895	6.55	ug/L

Na	23	6233327.525	10.468	11.406	1094.11605	8.49	ug/L
Mg	24	70476777.132	11.711	129.635	19171.26152	9.78	ug/L
K	39	13899053.161	10.094	24.073	2258.38374	8.49	ug/L
Ca	43	1103374.450	10.695	2.029	98870.62387	8.56	ug/L
Fe	54	3319124.059	9.749	6.067	9013.65680	7.75	ug/L
Fe	57	1516904.827	11.182	2.778	9964.96064	9.17	ug/L
Sc-1	45	542981.118	2.254	542981.118			ug/L
Kr	83	125.334	9.840	14.500			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		77.453			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		80.804			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		76.622			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		89.049			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		77.453			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME1004231-07APDS,20

Sample Date/Time: Monday, April 26, 2010 18:19:11
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020S
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\ME1004231-07APDS,20.080
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	5413.591	12.489	0.010	8.07536	10.24	ug/L
	B	11	53209.747	9.867	0.099	83.59147	7.70	ug/L
	Al	27	15332217.896	11.865	28.588	3151.68068	9.50	ug/L
>	Sc	45	535375.607	2.403	535375.607			ug/L
	Ti	47	71601.960	10.780	0.133	171.99920	8.80	ug/L
	V	51	671164.201	10.574	1.260	132.59153	8.32	ug/L
	Cr	52	534418.048	11.774	0.980	116.24207	9.69	ug/L
	Mn	55	1834425.762	9.270	3.422	238.21042	7.19	ug/L
	Co	59	80655.002	11.853	0.150	15.36677	9.60	ug/L
	Ni	60	132581.560	12.311	0.247	125.79078	10.17	ug/L
	Cu	63	69240.010	12.288	0.615	28.41990	11.67	ug/L
	Cu	65	33740.626	12.699	0.299	28.55389	12.26	ug/L
	Zn	66	105358.894	11.065	0.934	138.65954	10.61	ug/L
	Zn	67	25975.757	6.921	0.184	167.60908	8.04	ug/L
	Zn	68	76001.166	11.731	0.667	140.32995	11.40	ug/L
>	Ge	72	112054.025	1.450	112054.025			ug/L
	As	75	83872.132	10.912	0.750	110.48279	10.38	ug/L
	Se	82	8629.493	10.689	0.077	97.49091	10.26	ug/L
	Sr	88	713036.613	10.755	6.360	64.26134	10.34	ug/L
	Mo	95	155179.311	11.008	1.383	104.63286	10.47	ug/L
	Mo	98	251301.832	11.404	2.240	103.24210	11.04	ug/L
	Ag	107	21295.845	9.984	0.139	5.09582	9.19	ug/L
	Cd	111	13340.011	10.034	0.087	11.55281	9.24	ug/L
	Cd	114	32228.843	12.885	0.211	11.52461	12.08	ug/L
>	In	115	152434.458	0.879	152434.458			ug/L
	Sn	118	369686.319	10.324	2.420	102.57059	9.52	ug/L
	Sb	121	429104.236	11.336	2.812	104.03791	10.51	ug/L
	Sb	123	331334.339	10.800	2.171	103.48492	9.99	ug/L
	Ba	135	162432.421	10.420	5.443	132.16387	8.52	ug/L
	Ba	137	286004.144	10.806	9.584	133.67737	8.92	ug/L
>	Tb	159	29801.262	2.022	29801.262			ug/L
	Hg	202	1153.287	8.529	0.037	0.49965	6.83	ug/L
	Tl	205	1816932.625	7.963	60.912	94.15151	6.04	ug/L
	Pb	208	14254599.127	10.770	477.771	523.40945	8.84	ug/L

Na	23	5853214.964	10.430	10.859	1041.60534	8.20	ug/L
Mg	24	52227729.310	11.911	97.407	14405.23920	9.54	ug/L
K	39	10048220.930	8.981	17.253	1618.57023	7.30	ug/L
Ca	43	958275.098	12.311	1.787	87060.96574	10.06	ug/L
Fe	54	3055243.309	10.504	5.661	8410.06726	8.47	ug/L
Fe	57	1393086.025	11.627	2.587	9277.27430	9.44	ug/L
> Sc-1	45	535375.607	2.403	535375.607			ug/L
Kr	83	121.001	6.828	10.167			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		76.368			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		80.531			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		76.468			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		85.865			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		76.368			
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCV

Sample Date/Time: Monday, April 26, 2010 18:43:31
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\CCV.084
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	22224.226	0.637	0.043	34.78352	2.27	ug/L
	B	11	21978.190	1.271	0.042	35.66762	2.81	ug/L
	Al	27	248085.123	0.724	0.472	51.98116	2.01	ug/L
>	Sc	45	516701.351	2.514	516701.351			ug/L
	Ti	47	22732.772	1.364	0.043	55.77043	2.64	ug/L
	V	51	284891.843	1.200	0.560	58.88673	1.50	ug/L
	Cr	52	254753.282	1.782	0.476	56.47596	0.88	ug/L
	Mn	55	384836.751	1.054	0.744	51.76521	1.95	ug/L
	Co	59	295765.107	1.122	0.572	58.52930	1.74	ug/L
	Ni	60	59963.987	0.759	0.116	59.02230	2.89	ug/L
	Cu	63	132490.251	0.574	1.197	55.32046	1.29	ug/L
	Cu	65	62613.160	1.400	0.565	53.90158	0.74	ug/L
	Zn	66	37907.509	0.424	0.338	50.10819	0.91	ug/L
	Zn	67	14064.014	1.702	0.079	72.43565	3.74	ug/L
	Zn	68	27914.563	1.214	0.242	50.87949	1.14	ug/L
>	Ge	72	110469.626	0.726	110469.626			ug/L
	As	75	38785.553	0.891	0.353	51.95570	1.11	ug/L
	Se	82	4287.046	1.147	0.039	49.12801	1.31	ug/L
	Sr	88	544904.779	0.847	4.931	49.82615	1.42	ug/L
	Mo	95	80406.241	1.744	0.727	54.96479	1.10	ug/L
	Mo	98	129840.597	1.332	1.173	54.08010	2.06	ug/L
	Ag	107	227331.399	1.628	1.477	53.97570	1.96	ug/L
	Cd	111	58574.638	1.348	0.380	50.32474	1.55	ug/L
	Cd	114	141507.279	0.710	0.919	50.17860	0.55	ug/L
>	In	115	153944.652	0.447	153944.652			ug/L
	Sn	118	185977.524	0.259	1.204	51.03892	0.57	ug/L
	Sb	121	203897.011	1.458	1.323	48.95031	1.30	ug/L
	Sb	123	160303.716	0.963	1.040	49.57159	0.64	ug/L
	Ba	135	59152.905	0.499	2.296	55.76055	1.23	ug/L
	Ba	137	104274.790	1.361	4.049	56.47335	1.74	ug/L
>	Tb	159	25740.254	0.939	25740.254			ug/L
	Hg	202	5327.644	0.389	0.206	2.74724	0.75	ug/L
	Tl	205	952563.787	0.385	36.998	57.18824	0.62	ug/L
	Pb	208	1265350.809	1.702	49.148	53.84243	1.09	ug/L

⌈	Na	23	18913176.550	2.996	36.540	3505.00540	0.67	ug/L
|	Mg	24	12472562.147	2.608	24.137	3569.47233	1.74	ug/L
|	K	39	21799491.638	0.997	40.703	3818.59541	1.64	ug/L
|	Ca	43	41320.695	1.244	0.080	3874.20909	1.29	ug/L
|	Fe	54	1516953.949	0.334	2.898	4305.18154	2.69	ug/L
|	Fe	57	618450.166	0.375	1.186	4251.83792	2.15	ug/L
⌊>	Sc-1	45	516701.351	2.514	516701.351			ug/L
	Kr	83	96.167	5.311	-14.667			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		73.704			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		79.392			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		77.225			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		74.164			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		73.704			
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCB

Sample Date/Time: Monday, April 26, 2010 18:49:34
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042610\CCB.085
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	69.167	4.174	-0.000	-0.00325	159.22	ug/L
	B	11	882.385	19.672	0.001	1.17353	24.37	ug/L
	Al	27	23088.175	2.844	0.036	4.00246	4.04	ug/L
>	Sc	45	512160.930	0.773	512160.930			ug/L
	Ti	47	696.705	3.070	0.000	0.42840	15.70	ug/L
	V	51	-867.730	207.062	0.007	0.69587	52.89	ug/L
	Cr	52	12027.759	0.396	0.006	0.75763	1.49	ug/L
	Mn	55	1175.516	4.178	0.001	0.05933	11.91	ug/L
	Co	59	88.001	7.955	0.000	0.00158	93.76	ug/L
	Ni	60	453.955	3.200	0.001	0.38123	4.38	ug/L
	Cu	63	896.395	2.850	0.005	0.24407	5.74	ug/L
	Cu	65	470.014	4.397	0.003	0.25806	10.84	ug/L
	Zn	66	2749.325	1.335	0.020	2.90417	4.62	ug/L
	Zn	67	8006.164	0.916	0.025	22.88226	9.73	ug/L
	Zn	68	2963.738	1.251	0.016	3.41097	4.10	ug/L
>	Ge	72	109819.044	2.409	109819.044			ug/L
	As	75	-40.646	198.213	0.001	0.15809	67.45	ug/L
	Se	82	8.638	100.000	0.000	0.07273	141.63	ug/L
	Sr	88	224.006	10.052	0.001	0.00599	33.45	ug/L
	Mo	95	425.263	37.208	0.003	0.19590	59.40	ug/L
	Mo	98	679.866	39.422	0.004	0.18920	63.25	ug/L
	Ag	107	45.334	17.830	0.000	0.00183	101.60	ug/L
	Cd	111	40.785	10.115	0.000	0.01359	26.02	ug/L
	Cd	114	47.340	9.510	0.000	0.00415	37.14	ug/L
>	In	115	157576.875	0.824	157576.875			ug/L
	Sn	118	1118.095	21.575	0.003	0.13760	48.18	ug/L
	Sb	121	2388.427	36.166	0.014	0.50780	40.54	ug/L
	Sb	123	1865.899	40.899	0.011	0.50637	46.30	ug/L
	Ba	135	86.834	7.337	0.001	0.03496	16.46	ug/L
	Ba	137	130.002	9.069	0.003	0.03507	18.77	ug/L
>	Tb	159	26249.308	0.772	26249.308			ug/L
	Hg	202	107.267	7.556	0.003	0.03791	11.63	ug/L
	Tl	205	1979.296	35.716	0.065	0.10119	41.47	ug/L
	Pb	208	1586.079	8.711	0.051	0.05591	10.68	ug/L

Na	23	79237.821	0.702	0.094	8.98912	2.30	ug/L
Mg	24	3558.192	3.220	0.003	0.40540	8.52	ug/L
K	39	1006173.908	0.789	0.467	43.81353	4.68	ug/L
Ca	43	356.842	3.196	0.000	10.88755	11.05	ug/L
Fe	54	24711.358	1.626	0.009	13.52767	4.55	ug/L
Fe	57	9239.380	1.450	0.006	22.28192	4.48	ug/L
> Sc-1	45	512160.930	0.773	512160.930			ug/L
Kr	83	95.334	4.873	-15.500			ug/L

Sample ID: CCB
Report Date/Time: Monday, April 26, 2010 18:53:55
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QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		73.057			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		78.924			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		79.047			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		75.631			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		73.057			
	Kr	83					

Calibration Report

Analyte	Mass	Curve Type	Slope	Intercept	Corr Coeff
Be	9.012	Linear Thru Zero	0.001233	0.000	0.999976
B	11.009	Linear Thru Zero	0.001184	0.000	0.999992
Al	26.982	Linear Thru Zero	0.009071	0.000	0.999980
Sc	44.956	Linear Thru Zero	0.000000	0.000	0.000000
Ti	46.952	Linear Thru Zero	0.000771	0.000	0.999994
V	50.944	Linear Thru Zero	0.009506	0.000	0.999995
Cr	51.941	Linear Thru Zero	0.008428	0.000	0.999992
Mn	54.938	Linear Thru Zero	0.014364	0.000	0.999995
Co	58.933	Linear Thru Zero	0.009780	0.000	1.000000
Ni	59.933	Linear Thru Zero	0.001965	0.000	0.999989
Cu	62.930	Linear Thru Zero	0.021629	0.000	0.999998
Cu	64.928	Linear Thru Zero	0.010486	0.000	0.999996
Zn	65.926	Linear Thru Zero	0.006739	0.000	0.999967
Zn	66.927	Linear Thru Zero	0.001097	0.000	0.999964
Zn	67.925	Linear Thru Zero	0.004755	0.000	0.999977
Ge	71.922	Linear Thru Zero	0.000000	0.000	0.000000
As	74.922	Linear Thru Zero	0.006785	0.000	0.999970
Se	81.917	Linear Thru Zero	0.000789	0.000	0.999973
Sr	87.906	Linear Thru Zero	0.098974	0.000	0.999995
Mo	94.906	Linear Thru Zero	0.013218	0.000	0.999979
Mo	97.906	Linear Thru Zero	0.021696	0.000	0.999963
Ag	106.905	Linear Thru Zero	0.027356	0.000	1.000000
Cd	110.904	Linear Thru Zero	0.007558	0.000	0.999969
Cd	113.904	Linear Thru Zero	0.018314	0.000	0.999965
In	114.904	Linear Thru Zero	0.000000	0.000	0.000000
Sn	117.902	Linear Thru Zero	0.023595	0.000	0.999982
Sb	120.904	Linear Thru Zero	0.027028	0.000	0.999954
Sb	122.904	Linear Thru Zero	0.020981	0.000	0.999960
Ba	134.906	Linear Thru Zero	0.041183	0.000	0.999942
Ba	136.905	Linear Thru Zero	0.071695	0.000	0.999960
Tb	158.925	Linear Thru Zero	0.000000	0.000	0.000000
Hg	201.971	Linear Thru Zero	0.074889	0.000	0.999969
Tl	204.975	Linear Thru Zero	0.646954	0.000	0.999989
Pb	207.977	Linear Thru Zero	0.912805	0.000	0.999961
Na	22.990	Linear Thru Zero	0.010425	0.000	1.000000
Mg	23.985	Linear Thru Zero	0.006762	0.000	0.999999
K	38.964	Linear Thru Zero	0.010659	0.000	1.000000
Ca	42.959	Linear Thru Zero	0.000021	0.000	0.999939
Fe	53.940	Linear Thru Zero	0.000673	0.000	0.999995
Fe	56.935	Linear Thru Zero	0.000279	0.000	1.000000
Sc-1	44.956	Linear Thru Zero	0.000000	0.000	0.000000
Kr	82.914	Linear Thru Zero	0.000000	0.000	0.000000

Method 6020 - Summary Report

Sample ID: 0

Sample Date/Time: Tuesday, April 27, 2010 10:15:48
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042710\0.001
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	102.167	6.608				ug/L
	B	11	237.170	3.690				ug/L
	Al	27	6039.397	1.106				ug/L
>	Sc	45	626577.525	0.899				ug/L
	Ti	47	772.047	4.115				ug/L
	V	51	-5506.854	41.788				ug/L
	Cr	52	13172.002	1.368				ug/L
	Mn	55	1027.431	1.070				ug/L
	Co	59	97.668	6.256				ug/L
	Ni	60	100.603	4.805				ug/L
	Cu	63	397.348	0.145				ug/L
	Cu	65	211.503	3.530				ug/L
	Zn	66	814.543	1.696				ug/L
	Zn	67	9027.462	1.526				ug/L
	Zn	68	1743.698	2.452				ug/L
>	Ge	72	131815.849	1.182				ug/L
	As	75	53.723	146.962				ug/L
	Se	82	6.951	128.001				ug/L
	Sr	88	186.671	5.576				ug/L
	Mo	95	141.439	11.254				ug/L
	Mo	98	224.170	3.356				ug/L
	Ag	107	46.001	9.962				ug/L
	Cd	111	36.423	15.168				ug/L
	Cd	114	54.832	15.055				ug/L
>	In	115	175907.793	2.129				ug/L
	Sn	118	689.705	4.641				ug/L
	Sb	121	276.341	4.582				ug/L
	Sb	123	200.347	8.797				ug/L
	Ba	135	57.500	21.947				ug/L
	Ba	137	86.335	8.218				ug/L
>	Tb	159	29983.626	1.101				ug/L
	Hg	202	36.800	5.353				ug/L
	Tl	205	689.038	6.551				ug/L
	Pb	208	456.676	2.850				ug/L

	Na	23	39245.943	1.908	ug/L
	Mg	24	2967.603	6.213	ug/L
	K	39	1084668.165	0.104	ug/L
	Ca	43	359.008	2.476	ug/L
	Fe	54	25903.963	1.702	ug/L
	Fe	57	8376.058	0.554	ug/L
>	Sc-1	45	626577.525	0.899	ug/L
	Kr	83	105.334	8.562	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45					
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159					
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: .2

Sample Date/Time: Tuesday, April 27, 2010 10:21:53
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042710\.2.002
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	252.171	6.955	0.000	0.20000	10.30	ug/L
	B	11	398.844	3.082	0.000			ug/L
	Al	27	8250.286	3.906	0.003			ug/L
>	Sc	45	644131.352	1.027	644131.352			ug/L
	Ti	47	867.391	3.097	0.000	0.20000	40.05	ug/L
	V	51	-7281.330	79.249	-0.003	0.20000	351.88	ug/L
	Cr	52	14512.172	1.636	0.002	0.20000	9.10	ug/L
	Mn	55	3505.135	1.897	0.004	0.20000	1.24	ug/L
	Co	59	1513.497	2.852	0.002	0.20000	2.66	ug/L
	Ni	60	366.577	2.596	0.000	0.20000	3.49	ug/L
	Cu	63	817.052	3.381	0.003	0.20000	7.14	ug/L
	Cu	65	429.012	2.456	0.002	0.20000	5.38	ug/L
	Zn	66	1004.399	3.201	0.001	0.20000	16.83	ug/L
	Zn	67	9039.976	0.923	0.000	0.20000	368.45	ug/L
	Zn	68	1939.244	2.000	0.002	0.20000	23.78	ug/L
>	Ge	72	131604.522	0.501	131604.522			ug/L
	As	75	153.482	47.856	0.001	0.20000	73.81	ug/L
	Se	82	16.134	57.229	0.000	0.20000	101.09	ug/L
	Sr	88	2710.838	0.277	0.019	0.20000	0.73	ug/L
	Mo	95	470.009	3.517	0.002	0.20000	5.65	ug/L
	Mo	98	773.206	3.573	0.004	0.20000	4.41	ug/L
	Ag	107	1085.088	5.407	0.006	0.20000	6.08	ug/L
	Cd	111	304.595	4.834	0.002	0.20000	5.17	ug/L
	Cd	114	663.106	2.548	0.003	0.20000	2.17	ug/L
>	In	115	174317.887	0.680	174317.887			ug/L
	Sn	118	1426.480	1.923	0.004	0.20000	2.84	ug/L
	Sb	121	1128.427	4.051	0.005	0.20000	4.53	ug/L
	Sb	123	911.363	1.257	0.004	0.20000	2.07	ug/L
	Ba	135	320.673	3.331	0.009	0.20000	2.58	ug/L
	Ba	137	540.691	3.064	0.015	0.20000	5.07	ug/L
>	Tb	159	29978.274	1.319	29978.274			ug/L
	Hg	202	81.134	2.636	0.001	0.04000	7.28	ug/L
	Tl	205	4436.323	1.381	0.125	0.20000	0.75	ug/L
	Pb	208	5782.579	2.884	0.178	0.20000	3.14	ug/L

Na	23	41353.944	0.672	0.002	ug/L
Mg	24	3926.041	1.710	0.001	ug/L
K	39	1086104.542	0.980	-0.045	ug/L
Ca	43	372.676	4.039	0.000	ug/L
Fe	54	26903.826	0.842	0.000	ug/L
Fe	57	8645.689	0.617	0.000	ug/L
Sc-1	45	644131.352	1.027	644131.352	ug/L
Kr	83	115.001	7.581	9.667	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45					
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159					
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: 1

Sample Date/Time: Tuesday, April 27, 2010 10:28:14
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042710\1.003
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	884.718	1.307	0.001	1.00283	0.49	ug/L
	B	11	985.563	2.591	0.001	1.00000	2.93	ug/L
	Al	27	12933.394	1.696	0.011	1.00000	1.49	ug/L
>	Sc	45	634228.516	1.112	634228.516			ug/L
	Ti	47	1276.119	1.629	0.001	1.01031	2.94	ug/L
	V	51	-71.045	4045.464	0.009	1.10539	52.31	ug/L
	Cr	52	19533.492	0.264	0.010	1.00891	4.19	ug/L
	Mn	55	10596.695	1.036	0.015	0.99005	1.36	ug/L
	Co	59	6918.181	3.407	0.011	0.99922	2.44	ug/L
	Ni	60	1496.361	1.981	0.002	1.00274	2.99	ug/L
	Cu	63	3287.068	0.808	0.022	1.01045	0.91	ug/L
	Cu	65	1587.997	2.461	0.010	1.00793	3.21	ug/L
	Zn	66	2346.691	1.937	0.012	1.01452	2.65	ug/L
	Zn	67	9467.490	1.781	0.003	1.02638	34.22	ug/L
	Zn	68	2856.530	0.652	0.008	1.00384	0.39	ug/L
>	Ge	72	132230.804	0.585	132230.804			ug/L
	As	75	791.409	9.199	0.006	1.01241	10.02	ug/L
	Se	82	94.437	8.026	0.001	1.01842	8.18	ug/L
	Sr	88	13190.433	1.361	0.098	1.00095	1.22	ug/L
	Mo	95	1783.341	0.971	0.012	0.99975	0.95	ug/L
	Mo	98	2947.732	2.015	0.021	0.99948	1.59	ug/L
	Ag	107	5382.937	0.957	0.030	1.00053	1.53	ug/L
	Cd	111	1357.235	1.171	0.007	0.99888	1.95	ug/L
	Cd	114	3272.295	2.131	0.018	1.00162	2.21	ug/L
>	In	115	176501.794	0.721	176501.794			ug/L
	Sn	118	4665.461	1.357	0.023	1.00206	2.03	ug/L
	Sb	121	5021.690	3.334	0.027	1.00340	3.10	ug/L
	Sb	123	3934.978	2.338	0.021	1.00129	1.97	ug/L
	Ba	135	1275.606	0.378	0.041	0.99694	1.83	ug/L
	Ba	137	2267.690	0.767	0.073	0.99840	1.48	ug/L
>	Tb	159	29975.265	1.557	29975.265			ug/L
	Hg	202	523.151	2.400	0.016	0.20427	4.19	ug/L
	Tl	205	19717.782	2.758	0.635	1.00061	4.03	ug/L
	Pb	208	27491.728	0.311	0.902	1.00059	1.91	ug/L

⌈	Na	23	65420.673	0.686	0.041	ug/L
|	Mg	24	7408.641	1.474	0.007	ug/L
|	K	39	1123080.654	0.503	0.040	ug/L
|	Ca	43	380.676	4.861	0.000	ug/L
|	Fe	54	26919.276	1.337	0.001	ug/L
|	Fe	57	8989.250	1.178	0.001	ug/L
⌊>	Sc-1	45	634228.516	1.112	634228.516	ug/L
	Kr	83	111.001	4.004	5.667	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45					
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159					
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: 20

Sample Date/Time: Tuesday, April 27, 2010 10:34:33
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042710\20.004
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	15292.862	2.881	0.024	19.99870	2.71	ug/L
	B	11	14637.415	1.407	0.023	19.99827	1.83	ug/L
	Al	27	117659.158	1.367	0.176	19.98894	1.36	ug/L
>	Sc	45	633774.161	0.542	633774.161			ug/L
	Ti	47	10441.186	0.702	0.015	19.99933	0.94	ug/L
	V	51	124087.822	0.566	0.205	20.01196	0.27	ug/L
	Cr	52	124974.632	0.477	0.176	19.99479	0.99	ug/L
	Mn	55	186586.713	0.161	0.293	19.99794	0.59	ug/L
	Co	59	133770.479	0.674	0.211	19.99895	1.12	ug/L
	Ni	60	26852.104	0.989	0.042	19.99797	1.22	ug/L
	Cu	63	60253.686	1.232	0.458	20.00289	1.49	ug/L
	Cu	65	28395.818	0.983	0.216	20.00220	1.22	ug/L
	Zn	66	18821.333	1.187	0.138	19.96609	1.51	ug/L
	Zn	67	12129.223	1.568	0.024	19.92274	6.33	ug/L
	Zn	68	14395.791	0.339	0.097	19.96262	0.67	ug/L
>	Ge	72	130731.776	0.263	130731.776			ug/L
	As	75	17347.536	0.133	0.132	20.00867	0.38	ug/L
	Se	82	1987.426	0.504	0.015	20.00741	0.77	ug/L
	Sr	88	251182.020	1.275	1.920	19.99879	1.22	ug/L
	Mo	95	34434.621	1.332	0.262	20.00277	1.39	ug/L
	Mo	98	54753.068	2.197	0.417	20.00063	2.07	ug/L
	Ag	107	102380.194	0.907	0.580	19.99784	2.90	ug/L
	Cd	111	26526.059	2.142	0.150	20.00014	4.56	ug/L
	Cd	114	62153.288	0.805	0.352	19.99825	2.45	ug/L
>	In	115	176429.644	2.361	176429.644			ug/L
	Sn	118	80560.159	1.234	0.453	20.00039	1.20	ug/L
	Sb	121	93126.590	0.415	0.526	19.99909	2.77	ug/L
	Sb	123	71734.241	0.745	0.406	19.99784	3.15	ug/L
	Ba	135	24434.917	0.992	0.810	19.99964	3.56	ug/L
	Ba	137	43301.645	1.206	1.435	19.99918	3.53	ug/L
>	Tb	159	30126.211	2.866	30126.211			ug/L
	Hg	202	4697.767	0.656	0.155	1.99945	2.36	ug/L
	Tl	205	371133.748	1.011	12.302	19.99835	2.71	ug/L
	Pb	208	524334.572	1.516	17.396	19.99811	2.42	ug/L

⌈	Na	23	167152.069	2.689	0.201	20.00000	3.66	ug/L
|	Mg	24	89218.246	2.884	0.136	20.00000	2.73	ug/L
|	K	39	1236529.640	0.607	0.220	20.00000	1.20	ug/L
|	Ca	43	676.363	3.031	0.000	20.00000	5.44	ug/L
|	Fe	54	36755.255	0.325	0.017	20.00000	1.86	ug/L
|	Fe	57	12204.007	1.111	0.006	20.00000	4.22	ug/L
⌊>	Sc-1	45	633774.161	0.542	633774.161			ug/L
	Kr	83	106.334	9.686	1.000			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45					
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159					
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: 100

Sample Date/Time: Tuesday, April 27, 2010 10:40:51
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042710\100.005
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	77666.790	0.427	0.127	100.22886	2.24	ug/L
	B	11	76028.431	3.018	0.124	100.33744	3.10	ug/L
	Al	27	565849.995	2.039	0.920	100.16365	2.41	ug/L
>	Sc	45	609108.224	1.898	609108.224			ug/L
	Ti	47	49998.165	1.886	0.081	100.22322	3.71	ug/L
	V	51	657482.766	1.448	1.088	100.23431	0.49	ug/L
	Cr	52	571335.584	0.978	0.917	100.15186	2.01	ug/L
	Mn	55	927471.878	0.671	1.521	100.14535	1.28	ug/L
	Co	59	673136.055	0.741	1.105	100.17660	1.80	ug/L
	Ni	60	133727.278	0.729	0.219	100.14711	1.59	ug/L
	Cu	63	293911.021	0.588	2.334	100.07470	0.65	ug/L
	Cu	65	140752.746	1.483	1.118	100.13737	0.88	ug/L
	Zn	66	87727.411	0.174	0.691	100.00754	0.86	ug/L
	Zn	67	23027.250	0.756	0.115	99.75475	0.90	ug/L
	Zn	68	63199.074	1.041	0.489	100.03146	0.45	ug/L
>	Ge	72	125748.925	0.757	125748.925			ug/L
	As	75	86519.718	1.146	0.688	100.14860	0.59	ug/L
	Se	82	9783.432	0.671	0.078	100.10068	0.12	ug/L
	Sr	88	1273800.174	0.390	10.128	100.20150	0.42	ug/L
	Mo	95	172886.427	2.040	1.374	100.17529	2.01	ug/L
	Mo	98	277335.247	1.903	2.204	100.20724	1.43	ug/L
	Ag	107	514712.897	3.580	3.154	100.30944	1.44	ug/L
	Cd	111	130138.948	1.129	0.798	100.22461	1.00	ug/L
	Cd	114	309142.704	1.923	1.895	100.27355	1.02	ug/L
>	In	115	163143.685	2.124	163143.685			ug/L
	Sn	118	406026.343	1.821	2.485	100.34478	2.11	ug/L
	Sb	121	465636.237	1.374	2.853	100.29864	0.98	ug/L
	Sb	123	361603.096	2.098	2.215	100.32633	0.48	ug/L
	Ba	135	122831.804	1.806	4.351	100.26861	1.88	ug/L
	Ba	137	214463.629	1.248	7.597	100.21359	1.44	ug/L
>	Tb	159	28219.617	0.615	28219.617			ug/L
	Hg	202	11508.002	0.687	0.407	5.03364	0.30	ug/L
	Tl	205	1887189.001	0.861	66.854	100.30879	1.08	ug/L
	Pb	208	2679392.837	0.120	94.935	100.32378	0.68	ug/L

Na	23	709048.842	2.517	1.102	100.33674	3.19	ug/L
Mg	24	439467.828	0.607	0.717	100.19740	1.35	ug/L
K	39	1734408.842	0.122	1.117	100.05940	4.63	ug/L
Ca	43	1955.915	1.516	0.003	100.24492	0.52	ug/L
Fe	54	75910.902	1.431	0.083	100.00126	1.12	ug/L
Fe	57	26947.625	1.389	0.031	100.18001	3.76	ug/L
> Sc-1	45	609108.224	1.898	609108.224			ug/L
Kr	83	92.501	12.075	-12.833			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45					
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159					
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: 500

Sample Date/Time: Tuesday, April 27, 2010 10:47:10
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042710\500.006
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	389340.356	0.879	0.598	498.75367	1.60	ug/L
	B	11	2390.383	21.619	0.003	2.65680	24.51	ug/L
	Al	27	2789756.325	1.658	4.277	498.54178	2.33	ug/L
>	Sc	45	650901.721	0.756	650901.721			ug/L
	Ti	47	248871.666	0.486	0.381	498.82888	1.23	ug/L
	V	51	3229777.647	0.929	4.971	498.16864	1.48	ug/L
	Cr	52	2769577.526	0.623	4.234	498.37897	0.88	ug/L
	Mn	55	4691046.077	1.061	7.206	498.92286	1.61	ug/L
	Co	59	3366400.201	0.756	5.172	498.67479	1.45	ug/L
	Ni	60	668413.154	0.594	1.027	498.66713	1.31	ug/L
	Cu	63	1470208.542	0.626	11.069	498.93133	0.56	ug/L
	Cu	65	703218.656	0.773	5.294	498.92254	0.91	ug/L
	Zn	66	440108.925	0.130	3.308	499.10316	0.33	ug/L
	Zn	67	81437.574	1.808	0.545	498.91082	1.81	ug/L
	Zn	68	312315.569	0.740	2.339	499.08741	1.00	ug/L
>	Ge	72	132782.400	0.277	132782.400			ug/L
	As	75	439613.825	0.488	3.310	499.26160	0.72	ug/L
	Se	82	49787.194	0.445	0.375	499.28458	0.65	ug/L
	Sr	88	6217442.188	0.241	46.823	498.41934	0.24	ug/L
	Mo	95	873771.318	0.501	6.579	499.15907	0.74	ug/L
	Mo	98	1404319.376	0.574	10.574	499.20549	0.32	ug/L
	Ag	107	83.001	7.329	0.000	0.00636	20.45	ug/L
	Cd	111	668598.551	0.774	3.715	498.58252	2.42	ug/L
	Cd	114	1575955.016	1.046	8.756	498.42793	2.69	ug/L
>	In	115	180027.875	1.688	180027.875			ug/L
	Sn	118	2104996.217	1.504	11.689	498.81564	0.43	ug/L
	Sb	121	2403314.608	0.237	13.351	498.70030	1.91	ug/L
	Sb	123	1841267.230	0.345	10.228	498.41855	1.51	ug/L
	Ba	135	615456.580	0.090	20.077	498.39493	0.59	ug/L
	Ba	137	1089465.992	1.031	35.542	498.67573	1.46	ug/L
>	Tb	159	30651.922	0.500	30651.922			ug/L
	Hg	202	181.135	9.591	0.005	0.05797	12.18	ug/L
	Tl	205	9554393.704	1.364	311.679	498.62221	1.08	ug/L
	Pb	208	13432789.011	0.625	438.220	498.41342	0.22	ug/L

Na	23	3386788.702	1.303	5.140	498.64584	0.60	ug/L
Mg	24	2182692.056	0.885	3.349	498.63973	0.55	ug/L
K	39	4417301.825	0.393	5.055	497.92983	0.55	ug/L
Ca	43	8223.060	1.268	0.012	498.18931	2.11	ug/L
Fe	54	258296.963	0.455	0.356	496.59960	1.27	ug/L
Fe	57	101686.567	0.917	0.143	498.42776	1.75	ug/L
> Sc-1	45	650901.721	0.756	650901.721			ug/L
Kr	83	124.668	6.727	19.334			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45					
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159					
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: 10000

Sample Date/Time: Tuesday, April 27, 2010 10:54:01
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042710\10000.007
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	100.501	7.018	-0.000	-0.00205	509.98	ug/L
	B	11	881.218	12.302	0.001	0.82768	13.43	ug/L
	Al	27	10122.285	1.314	0.007	0.76195	8.46	ug/L
>	Sc	45	626129.505	2.475	626129.505			ug/L
	Ti	47	955.069	2.993	0.000	0.38358	4.47	ug/L
	V	51	-7216.170	30.242	-0.003	-0.28032	133.72	ug/L
	Cr	52	11228.958	3.213	-0.003	-0.36375	4.66	ug/L
	Mn	55	6002.400	1.404	0.008	0.55049	3.40	ug/L
	Co	59	1324.127	3.536	0.002	0.18899	5.27	ug/L
	Ni	60	468.156	7.795	0.001	0.28520	9.94	ug/L
	Cu	63	982.073	4.170	0.005	0.20910	4.45	ug/L
	Cu	65	488.182	7.389	0.002	0.20721	10.35	ug/L
	Zn	66	1881.899	11.690	0.009	1.28342	22.58	ug/L
	Zn	67	8752.145	2.759	-0.000	-0.24681	333.70	ug/L
	Zn	68	2450.391	3.678	0.006	1.25454	15.09	ug/L
>	Ge	72	128288.054	1.720	128288.054			ug/L
	As	75	185.959	93.966	0.001	0.15493	129.13	ug/L
	Se	82	38.983	57.880	0.000	0.33220	68.01	ug/L
	Sr	88	1321.794	3.515	0.009	0.09467	6.03	ug/L
	Mo	95	1779.200	37.436	0.013	0.96648	38.66	ug/L
	Mo	98	2801.229	39.348	0.020	0.94612	40.78	ug/L
	Ag	107	70.001	11.158	0.000	0.00478	27.13	ug/L
	Cd	111	45.681	5.805	0.000	0.00834	30.62	ug/L
	Cd	114	72.693	19.321	0.000	0.00663	70.79	ug/L
>	In	115	169796.339	1.606	169796.339			ug/L
	Sn	118	5454.142	34.627	0.028	1.19865	37.62	ug/L
	Sb	121	1424.819	25.601	0.007	0.25396	29.52	ug/L
	Sb	123	1117.859	31.925	0.005	0.26427	36.75	ug/L
	Ba	135	73.167	13.327	0.001	0.01537	52.01	ug/L
	Ba	137	111.669	2.879	0.001	0.01396	10.71	ug/L
>	Tb	159	28824.531	1.227	28824.531			ug/L
	Hg	202	121.268	1.238	0.003	0.03690	3.03	ug/L
	Tl	205	1750.558	25.099	0.038	0.06022	38.42	ug/L
	Pb	208	3067.272	10.757	0.091	0.10362	11.25	ug/L

Na	23	66497939.032	1.968	106.216	10000.76476	4.28	ug/L
Mg	24	42989020.534	1.879	68.700	10000.58424	4.18	ug/L
K	39	66771622.312	1.193	104.937	10000.84327	1.63	ug/L
Ca	43	128820.365	0.087	0.205	9995.33846	2.53	ug/L
Fe	54	4436592.731	2.200	7.049	9999.59381	4.12	ug/L
Fe	57	1845535.336	0.231	2.935	10000.60945	2.24	ug/L
Sc-1	45	626129.505	2.475	626129.505			ug/L
Kr	83	101.667	4.726	-3.667			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45					
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159					
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: ICV

Sample Date/Time: Tuesday, April 27, 2010 11:02:22
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042710\ICV.008
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	19011.968	1.234	0.030	25.10519	1.25	ug/L
	B	11	17253.331	1.665	0.027	21.83801	1.69	ug/L
	Al	27	147936.080	0.442	0.226	26.33105	1.68	ug/L
>	Sc	45	628208.496	1.428	628208.496			ug/L
	Ti	47	13586.792	1.308	0.020	26.70085	2.92	ug/L
	V	51	159840.523	1.756	0.263	26.38552	2.90	ug/L
	Cr	52	151356.343	1.638	0.220	25.88885	2.40	ug/L
	Mn	55	236479.294	1.804	0.375	25.95754	3.12	ug/L
	Co	59	168760.146	1.746	0.268	25.88581	0.92	ug/L
	Ni	60	34675.195	0.699	0.055	26.73375	2.15	ug/L
	Cu	63	75261.811	0.478	0.579	26.11916	1.21	ug/L
	Cu	65	35696.802	0.201	0.275	25.88351	1.00	ug/L
	Zn	66	23657.824	0.258	0.177	26.68988	0.60	ug/L
	Zn	67	12683.448	0.448	0.030	27.17440	1.14	ug/L
	Zn	68	17764.990	0.296	0.124	26.51611	1.10	ug/L
>	Ge	72	129213.990	0.791	129213.990			ug/L
	As	75	22095.662	0.478	0.171	25.72847	0.31	ug/L
	Se	82	2510.228	0.675	0.019	25.80267	0.88	ug/L
	Sr	88	327014.307	1.020	2.529	26.92570	1.26	ug/L
	Mo	95	44938.690	1.075	0.347	26.30622	1.87	ug/L
	Mo	98	72738.962	0.253	0.561	26.49615	0.59	ug/L
	Ag	107	123059.480	1.026	0.724	23.03994	1.34	ug/L
	Cd	111	33354.877	1.660	0.196	26.33779	2.02	ug/L
	Cd	114	77678.508	0.713	0.457	26.02095	0.39	ug/L
>	In	115	169810.727	0.640	169810.727			ug/L
	Sn	118	104342.695	1.305	0.611	26.05404	0.99	ug/L
	Sb	121	110988.901	1.765	0.652	24.35644	1.99	ug/L
	Sb	123	86076.057	2.959	0.506	24.64798	3.43	ug/L
	Ba	135	31422.883	0.088	1.069	26.54228	0.21	ug/L
	Ba	137	55132.096	1.058	1.876	26.32787	0.90	ug/L
>	Tb	159	29335.791	0.242	29335.791			ug/L
	Hg	202	2951.366	0.662	0.099	1.23037	0.58	ug/L
	Tl	205	499464.889	0.162	17.003	27.20106	0.12	ug/L
	Pb	208	668240.327	0.326	22.764	25.89080	0.54	ug/L

Na	23	13132448.465	0.069	20.845	1962.66428	1.51	ug/L
Mg	24	8597425.020	0.316	13.683	1991.75952	1.36	ug/L
K	39	14265369.892	0.528	20.980	1999.44585	1.50	ug/L
Ca	43	25964.415	0.927	0.041	1985.04625	1.55	ug/L
Fe	54	931591.459	0.508	1.442	2045.38108	1.41	ug/L
Fe	57	378633.080	0.510	0.589	2008.32309	1.91	ug/L
Sc-1	45	628208.496	1.428	628208.496			ug/L
Kr	83	101.334	2.891	-4.000			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9	100.421				
	B	11	87.352				
	Al	27	105.324				
>	Sc	45		100.260			
	Ti	47	106.803				
	V	51	105.542				
	Cr	52	103.555				
	Mn	55	103.830				
	Co	59	103.543				
	Ni	60	106.935				
	Cu	63	104.477				
	Cu	65	103.534				
	Zn	66	106.760				
	Zn	67	108.698				
	Zn	68	106.064				
>	Ge	72		98.026			
	As	75	102.914				
	Se	82	103.211				
	Sr	88	107.703				
	Mo	95	105.225				
	Mo	98	105.985				
	Ag	107	92.160				
	Cd	111	105.351				
	Cd	114	104.084				
>	In	115		96.534			
	Sn	118	104.216				
	Sb	121	97.426				
	Sb	123	98.592				
	Ba	135	106.169				
	Ba	137	105.311				
>	Tb	159		97.839			
	Hg	202	98.430				
	Tl	205	108.804				
	Pb	208	103.563				
	Na	23	96.922				
	Mg	24	98.358				
	K	39	98.738				
	Ca	43	98.027				
	Fe	54	101.006				
	Fe	57	99.176				
>	Sc-1	45		100.260			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ICB

Sample Date/Time: Tuesday, April 27, 2010 11:08:44
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042710\ICB.009
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	89.501	1.117	-0.000	-0.01584	5.38	ug/L
	B	11	775.873	15.585	0.001	0.70105	21.50	ug/L
	Al	27	4933.303	0.744	-0.002	-0.19781	7.24	ug/L
>	Sc	45	621235.933	0.842	621235.933			ug/L
	Ti	47	795.716	3.069	0.000	0.06410	102.63	ug/L
	V	51	-5314.050	41.996	0.000	0.02158	1703.07	ug/L
	Cr	52	12151.116	0.528	-0.001	-0.17211	5.05	ug/L
	Mn	55	1001.457	1.462	-0.000	-0.00191	110.38	ug/L
	Co	59	142.669	2.654	0.000	0.00711	7.19	ug/L
	Ni	60	93.643	6.093	-0.000	-0.00474	107.04	ug/L
	Cu	63	168.670	3.948	-0.002	-0.07634	2.91	ug/L
	Cu	65	114.501	9.170	-0.001	-0.06671	11.81	ug/L
	Zn	66	903.553	1.744	0.001	0.13514	16.04	ug/L
	Zn	67	8933.351	0.914	0.001	1.33987	30.38	ug/L
	Zn	68	1825.550	2.463	0.001	0.22739	30.45	ug/L
>	Ge	72	127711.678	0.288	127711.678			ug/L
	As	75	12.702	363.262	-0.000	-0.04650	117.31	ug/L
	Se	82	3.832	184.797	-0.000	-0.03033	242.98	ug/L
	Sr	88	165.670	13.636	-0.000	-0.00127	145.27	ug/L
	Mo	95	512.263	17.497	0.003	0.22280	23.49	ug/L
	Mo	98	817.045	20.927	0.005	0.22162	28.11	ug/L
	Ag	107	56.001	12.500	0.000	0.00227	58.78	ug/L
	Cd	111	39.704	11.742	0.000	0.00390	100.02	ug/L
	Cd	114	58.718	18.849	0.000	0.00212	174.35	ug/L
>	In	115	168245.478	0.763	168245.478			ug/L
	Sn	118	1476.824	10.933	0.005	0.20744	20.77	ug/L
	Sb	121	2564.816	32.346	0.014	0.51169	36.93	ug/L
	Sb	123	2013.973	32.112	0.011	0.52878	36.35	ug/L
	Ba	135	47.333	17.174	-0.000	-0.00716	99.14	ug/L
	Ba	137	51.667	14.267	-0.001	-0.01546	23.21	ug/L
>	Tb	159	29065.098	0.481	29065.098			ug/L
	Hg	202	96.401	7.455	0.002	0.02588	12.55	ug/L
	Tl	205	1027.749	26.690	0.012	0.01985	77.44	ug/L
	Pb	208	899.030	16.463	0.016	0.01788	33.34	ug/L

Na	23	34851.483	2.373	-0.007	-0.61526	19.64	ug/L
Mg	24	2901.246	9.050	-0.000	-0.00978	596.32	ug/L
K	39	1081933.282	0.666	0.011	1.01307	247.77	ug/L
Ca	43	343.174	3.210	-0.000	-1.00487	63.79	ug/L
Fe	54	25356.378	0.858	-0.001	-0.74614	16.54	ug/L
Fe	57	8928.179	1.285	0.001	3.41868	8.51	ug/L
Sc-1	45	621235.933	0.842	621235.933			ug/L
Kr	83	111.334	3.766	6.000			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		99.147			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		96.886			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		95.644			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		96.937			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		99.147			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ICSA

Sample Date/Time: Tuesday, April 27, 2010 11:15:06
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042710\ICSA.010
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	84.000	5.678	-0.000	-0.02154	26.08	ug/L
	B	11	724.201	2.202	0.001	0.64883	2.66	ug/L
	Al	27	269250846.511	3.120	439.962	51285.62064	3.15	ug/L
>	Sc	45	611987.228	0.760	611987.228			ug/L
	Ti	47	550106.678	3.094	0.898	1174.79758	2.87	ug/L
	V	51	229.433	345.512	0.009	0.91792	14.16	ug/L
	Cr	52	8135.089	2.485	-0.008	-0.90973	4.41	ug/L
	Mn	55	22222.074	0.952	0.035	2.40062	0.66	ug/L
	Co	59	5312.554	1.662	0.009	0.82198	1.95	ug/L
	Ni	60	1404.215	3.749	0.002	1.03619	3.22	ug/L
	Cu	63	3077.647	4.323	0.021	0.95433	3.89	ug/L
	Cu	65	3339.558	0.848	0.025	2.32313	2.79	ug/L
	Zn	66	2694.639	1.127	0.015	2.26400	3.83	ug/L
	Zn	67	4224.511	15.312	-0.035	-32.24701	16.20	ug/L
	Zn	68	1282.608	9.225	-0.003	-0.66872	35.61	ug/L
>	Ge	72	127225.327	1.755	127225.327			ug/L
	As	75	175.215	10.265	0.001	0.14608	12.64	ug/L
	Se	82	-56.065	18.231	-0.000	-0.65718	16.16	ug/L
	Sr	88	16834.244	2.613	0.131	1.39328	0.93	ug/L
	Mo	95	1733348.662	2.448	13.622	1033.47897	1.12	ug/L
	Mo	98	2824618.849	4.037	22.195	1047.78685	2.44	ug/L
	Ag	107	122.336	6.135	0.000	0.01565	14.98	ug/L
	Cd	111	390.329	10.447	0.002	0.29516	14.85	ug/L
	Cd	114	4168.499	1.826	0.025	1.44116	2.91	ug/L
>	In	115	162750.538	3.867	162750.538			ug/L
	Sn	118	733.709	6.020	0.001	0.02554	73.02	ug/L
	Sb	121	855.723	4.157	0.004	0.13810	10.98	ug/L
	Sb	123	677.743	7.913	0.003	0.14802	15.88	ug/L
	Ba	135	316.006	2.643	0.009	0.23041	2.74	ug/L
	Ba	137	523.023	6.515	0.016	0.21954	5.70	ug/L
>	Tb	159	28218.294	2.131	28218.294			ug/L
	Hg	202	268.605	18.840	0.008	0.10241	19.78	ug/L
	Tl	205	550.692	3.741	-0.003	-0.00552	32.70	ug/L
	Pb	208	6954.641	1.604	0.231	0.26301	0.97	ug/L

⌈	Na	23	325092412.799	3.486	531.115	50007.31633	3.16	ug/L
|	Mg	24	210602421.403	3.813	344.115	50092.33905	3.65	ug/L
|	K	39	320591020.574	3.679	522.097	49757.79306	3.43	ug/L
|	Ca	43	629878.207	2.090	1.029	50094.40715	2.13	ug/L
|	Fe	54	21474027.694	3.790	35.050	49723.43476	3.95	ug/L
|	Fe	57	9294311.094	2.946	15.173	51697.01440	2.75	ug/L
⌊>	Sc-1	45	611987.228	0.760	611987.228			ug/L
	Kr	83	168.335	6.017	63.001			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27	102.571				
>	Sc	45		97.671			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		96.517			
	As	75					
	Se	82					
	Sr	88					
	Mo	95	103.348				
	Mo	98	104.779				
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		92.520			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		94.112			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23	100.015				
	Mg	24	100.185				
	K	39	99.516				
	Ca	43	100.189				
	Fe	54	99.447				
	Fe	57	103.394				
>	Sc-1	45		97.671			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ICSAB

Sample Date/Time: Tuesday, April 27, 2010 11:21:28
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042710\ICSAB.011
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	38792.912	1.004	0.064	53.64317	0.66	ug/L
	B	11	33256.572	0.874	0.055	44.26489	1.27	ug/L
	Al	27	271039347.947	1.842	450.569	52522.09238	2.26	ug/L
>	Sc	45	601573.742	0.415	601573.742			ug/L
	Ti	47	572938.062	1.305	0.951	1244.88321	1.38	ug/L
	V	51	322736.349	0.982	0.545	54.64301	0.68	ug/L
	Cr	52	272866.131	0.586	0.433	50.91527	0.19	ug/L
	Mn	55	495200.131	1.193	0.822	56.88438	1.60	ug/L
	Co	59	319904.363	0.951	0.532	51.25804	1.14	ug/L
	Ni	60	63408.596	0.829	0.105	51.11089	0.42	ug/L
	Cu	63	134209.414	1.056	1.056	47.58854	1.02	ug/L
	Cu	65	65701.065	0.745	0.517	48.69708	1.58	ug/L
	Zn	66	44091.516	1.272	0.342	51.54280	0.55	ug/L
	Zn	67	10551.241	4.536	0.015	13.50762	24.37	ug/L
	Zn	68	30484.122	1.061	0.227	48.50331	2.43	ug/L
>	Ge	72	126762.330	1.403	126762.330			ug/L
	As	75	43627.026	0.308	0.344	51.85107	1.54	ug/L
	Se	82	4881.096	0.810	0.038	51.21343	0.60	ug/L
	Sr	88	677541.885	1.379	5.344	56.88108	0.15	ug/L
	Mo	95	1816746.527	1.285	14.333	1087.35618	1.84	ug/L
	Mo	98	3000715.895	1.222	23.671	1117.50472	0.95	ug/L
	Ag	107	221849.479	2.539	1.387	44.10284	1.78	ug/L
	Cd	111	63650.457	0.166	0.398	53.39161	1.00	ug/L
	Cd	114	153964.470	2.146	0.963	54.78896	3.02	ug/L
>	In	115	159935.663	0.868	159935.663			ug/L
	Sn	118	203648.567	0.521	1.269	54.17430	1.36	ug/L
	Sb	121	223246.573	4.116	1.395	52.08903	4.56	ug/L
	Sb	123	172320.822	2.172	1.076	52.45115	2.43	ug/L
	Ba	135	61785.645	0.342	2.199	54.58106	0.39	ug/L
	Ba	137	108181.883	1.199	3.851	54.02644	1.92	ug/L
>	Tb	159	28076.427	0.721	28076.427			ug/L
	Hg	202	5793.715	1.277	0.205	2.53954	0.56	ug/L
	Tl	205	950922.092	1.176	33.846	54.14625	0.74	ug/L
	Pb	208	1294466.628	0.880	46.090	52.42051	0.34	ug/L

Na	23	326683571.306	0.369	542.986	51125.03374	0.05	ug/L
Mg	24	210018246.738	0.388	349.115	50820.21617	0.66	ug/L
K	39	325232134.845	0.971	538.913	51360.41877	1.12	ug/L
Ca	43	630166.886	1.530	1.047	50986.95594	1.94	ug/L
Fe	54	21902223.389	1.259	36.368	51594.40942	1.66	ug/L
Fe	57	9337840.494	0.783	15.509	52841.53276	1.07	ug/L
Sc-1	45	601573.742	0.415	601573.742			ug/L
Kr	83	163.668	8.177	58.334			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27	105.044				
>	Sc	45		96.009			
	Ti	47	124.488				
	V	51	273.215				
	Cr	52	509.153				
	Mn	55	568.844				
	Co	59	256.290				
	Ni	60	255.554				
	Cu	63	475.885				
	Cu	65	486.971				
	Zn	66	515.428				
	Zn	67	135.076				
	Zn	68	485.033				
>	Ge	72		96.166			
	As	75	518.511				
	Se	82	512.134				
	Sr	88					
	Mo	95	108.736				
	Mo	98	111.750				
	Ag	107	441.028				
	Cd	111	1067.832				
	Cd	114	1095.779				
>	In	115		90.920			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		93.639			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23	102.250				
	Mg	24	101.640				
	K	39	102.721				
	Ca	43	101.974				
	Fe	54	103.189				
	Fe	57	105.683				
>	Sc-1	45		96.009			
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCV

Sample Date/Time: Tuesday, April 27, 2010 11:30:47
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042710\CCV.012
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	40437.861	1.559	0.069	57.62927	1.32	ug/L
	B	11	35692.620	0.912	0.061	48.98441	1.06	ug/L
	Al	27	289401.936	1.911	0.486	56.67017	2.91	ug/L
>	Sc	45	583823.222	0.980	583823.222			ug/L
	Ti	47	25268.697	1.863	0.042	55.03583	2.04	ug/L
	V	51	315634.387	0.506	0.549	55.06236	1.02	ug/L
	Cr	52	276273.186	0.776	0.452	53.22703	0.64	ug/L
	Mn	55	456414.996	1.664	0.780	54.01347	0.97	ug/L
	Co	59	327080.738	1.844	0.560	53.99820	0.91	ug/L
	Ni	60	65373.090	0.846	0.112	54.30441	1.06	ug/L
	Cu	63	140855.909	1.747	1.153	51.97051	1.95	ug/L
	Cu	65	66571.409	2.134	0.545	51.35348	3.99	ug/L
	Zn	66	44350.656	0.631	0.358	53.98570	2.00	ug/L
	Zn	67	14862.011	0.968	0.053	48.98312	2.98	ug/L
	Zn	68	32284.441	0.569	0.252	53.72346	2.22	ug/L
>	Ge	72	121861.113	1.855	121861.113			ug/L
	As	75	42225.853	0.659	0.346	52.20823	1.81	ug/L
	Se	82	4907.032	0.798	0.040	53.56406	1.19	ug/L
	Sr	88	638232.184	1.444	5.237	55.74963	2.49	ug/L
	Mo	95	87408.561	2.224	0.716	54.34753	2.82	ug/L
	Mo	98	141220.976	1.170	1.158	54.64836	2.93	ug/L
	Ag	107	232497.863	1.137	1.429	45.43617	3.42	ug/L
	Cd	111	64449.952	1.961	0.396	53.13697	3.72	ug/L
	Cd	114	154488.743	1.403	0.949	54.01978	2.67	ug/L
>	In	115	162836.391	3.644	162836.391			ug/L
	Sn	118	202387.748	2.256	1.239	52.89437	2.13	ug/L
	Sb	121	232881.195	2.386	1.430	53.39663	3.44	ug/L
	Sb	123	179576.395	1.022	1.102	53.72094	2.93	ug/L
	Ba	135	61017.563	0.968	2.198	54.55393	1.66	ug/L
	Ba	137	107117.426	0.824	3.859	54.14954	3.04	ug/L
>	Tb	159	27746.913	2.216	27746.913			ug/L
	Hg	202	5560.209	0.883	0.199	2.46627	1.43	ug/L
	Tl	205	968258.918	2.213	34.880	55.80038	2.36	ug/L
	Pb	208	1308614.529	1.414	47.157	53.63498	1.87	ug/L

Na	23	26880699.844	1.493	45.982	4329.46938	1.68	ug/L
Mg	24	17272459.034	0.582	29.582	4306.16390	0.86	ug/L
K	39	26996359.328	1.940	44.507	4241.65308	1.00	ug/L
Ca	43	50641.655	0.665	0.086	4196.27896	0.34	ug/L
Fe	54	1767341.133	1.066	2.986	4236.04363	1.15	ug/L
Fe	57	727055.202	0.625	1.232	4197.56700	0.78	ug/L
> Sc-1	45	583823.222	0.980	583823.222			ug/L
Kr	83	91.001	10.176	-14.334			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9	115.259				
	B	11	97.969				
	Al	27	113.340				
>	Sc	45		93.177			
	Ti	47	110.072				
	V	51	110.125				
	Cr	52	106.454				
	Mn	55	108.027				
	Co	59	107.996				
	Ni	60	108.609				
	Cu	63	103.941				
	Cu	65	102.707				
	Zn	66	107.971				
	Zn	67	97.966				
	Zn	68	107.447				
>	Ge	72		92.448			
	As	75	104.416				
	Se	82	107.128				
	Sr	88	111.499				
	Mo	95	108.695				
	Mo	98	109.297				
	Ag	107	90.872				
	Cd	111	106.274				
	Cd	114	108.040				
>	In	115		92.569			
	Sn	118	105.789				
	Sb	121	106.793				
	Sb	123	107.442				
	Ba	135	109.108				
	Ba	137	108.299				
>	Tb	159		92.540			
	Hg	202	98.651				
	Tl	205	111.601				
	Pb	208	107.270				
	Na	23	106.900				
	Mg	24	106.325				
	K	39	104.732				
	Ca	43	103.612				
	Fe	54	104.594				
	Fe	57	103.644				
>	Sc-1	45		93.177			
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCB

Sample Date/Time: Tuesday, April 27, 2010 11:37:04
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042710\CCB.013
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	90.334	1.152	-0.000	-0.00790	5.69	ug/L
	B	11	1274.942	19.487	0.002	1.43986	22.19	ug/L
	Al	27	39802.500	16.336	0.058	6.76993	19.58	ug/L
>	Sc	45	588184.640	1.186	588184.640			ug/L
	Ti	47	830.720	5.360	0.000	0.23523	33.30	ug/L
	V	51	-5625.159	32.785	-0.001	-0.07578	400.25	ug/L
	Cr	52	11327.711	2.295	-0.002	-0.20694	38.11	ug/L
	Mn	55	1414.140	4.099	0.001	0.05293	11.90	ug/L
	Co	59	107.335	18.827	0.000	0.00254	122.02	ug/L
	Ni	60	297.253	0.963	0.000	0.16749	2.49	ug/L
	Cu	63	919.397	2.519	0.005	0.20357	3.85	ug/L
	Cu	65	485.515	4.154	0.002	0.22368	8.64	ug/L
	Zn	66	2299.510	0.782	0.013	1.90955	2.39	ug/L
	Zn	67	8401.586	0.903	0.000	0.31014	344.80	ug/L
	Zn	68	2611.443	1.391	0.008	1.74259	7.04	ug/L
>	Ge	72	122088.791	1.308	122088.791			ug/L
	As	75	1.261	3751.434	-0.000	-0.06009	97.01	ug/L
	Se	82	16.345	116.561	0.000	0.10823	190.86	ug/L
	Sr	88	573.694	5.222	0.003	0.03495	7.51	ug/L
	Mo	95	1325.331	18.405	0.010	0.74237	20.46	ug/L
	Mo	98	2080.286	16.545	0.015	0.72436	18.49	ug/L
	Ag	107	52.334	15.911	0.000	0.00181	95.92	ug/L
	Cd	111	37.515	14.966	0.000	0.00286	181.10	ug/L
	Cd	114	54.959	1.327	0.000	0.00127	42.60	ug/L
>	In	115	164604.158	1.922	164604.158			ug/L
	Sn	118	1144.764	12.287	0.003	0.12937	26.62	ug/L
	Sb	121	1448.488	20.625	0.007	0.26995	24.55	ug/L
	Sb	123	1088.984	18.521	0.005	0.26679	21.72	ug/L
	Ba	135	167.002	3.039	0.004	0.09842	3.72	ug/L
	Ba	137	298.009	2.201	0.008	0.10689	3.19	ug/L
>	Tb	159	28388.238	0.667	28388.238			ug/L
	Hg	202	110.201	11.615	0.003	0.03289	17.84	ug/L
	Tl	205	2864.945	37.534	0.078	0.12491	49.22	ug/L
	Pb	208	1169.713	16.054	0.026	0.02957	26.33	ug/L

Na	23	87957.753	5.110	0.087	8.18179	8.27	ug/L
Mg	24	8303.548	32.706	0.009	1.36669	49.37	ug/L
K	39	1003345.820	0.677	-0.025	-2.38994	104.06	ug/L
Ca	43	1034.403	1.604	0.001	57.73660	0.76	ug/L
Fe	54	26422.532	1.212	0.004	5.07902	2.59	ug/L
Fe	57	8580.118	2.709	0.001	4.15124	23.24	ug/L
Sc-1	45	588184.640	1.186	588184.640			ug/L
Kr	83	94.501	13.354	-10.833			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		93.873			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		92.621			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		93.574			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		94.679			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		93.873			
	Kr	83					

Method 6020 - Summary Report

Sample ID: CRI

Sample Date/Time: Tuesday, April 27, 2010 11:43:22
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042710\CRI.014
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	242.504	6.517	0.000	0.20396	12.74	ug/L
	B	11	819.044	5.556	0.001	0.80480	9.57	ug/L
	Al	27	11517.689	6.239	0.010	1.13097	10.00	ug/L
>	Sc	45	595275.531	1.430	595275.531			ug/L
	Ti	47	866.391	3.513	0.000	0.29257	25.81	ug/L
	V	51	-5893.720	25.275	-0.001	-0.11195	224.51	ug/L
	Cr	52	12901.858	2.068	0.001	0.07656	26.72	ug/L
	Mn	55	2782.136	3.470	0.003	0.21001	3.38	ug/L
	Co	59	1329.795	1.282	0.002	0.20036	0.34	ug/L
	Ni	60	331.450	4.502	0.000	0.19235	4.36	ug/L
	Cu	63	747.711	3.880	0.003	0.13678	8.51	ug/L
	Cu	65	400.844	5.489	0.002	0.15433	10.38	ug/L
	Zn	66	927.056	2.491	0.001	0.19895	9.03	ug/L
	Zn	67	8324.836	0.731	-0.001	-1.04863	38.06	ug/L
	Zn	68	1647.843	0.551	0.000	0.02177	182.69	ug/L
>	Ge	72	123627.770	1.081	123627.770			ug/L
	As	75	-11.721	237.180	-0.001	-0.07593	44.99	ug/L
	Se	82	23.560	9.025	0.000	0.18371	13.53	ug/L
	Sr	88	2572.790	3.433	0.019	0.20642	2.79	ug/L
	Mo	95	1043.760	0.683	0.007	0.55914	0.79	ug/L
	Mo	98	1660.012	0.964	0.012	0.55371	2.34	ug/L
	Ag	107	1035.413	4.292	0.006	0.18512	3.49	ug/L
	Cd	111	295.961	5.899	0.002	0.20546	4.57	ug/L
	Cd	114	665.648	3.788	0.004	0.20481	2.22	ug/L
>	In	115	170220.280	2.019	170220.280			ug/L
	Sn	118	1480.824	2.027	0.005	0.20408	6.47	ug/L
	Sb	121	1618.520	2.955	0.008	0.29667	5.36	ug/L
	Sb	123	1272.249	2.815	0.006	0.30881	4.03	ug/L
	Ba	135	276.505	1.914	0.008	0.19300	3.67	ug/L
	Ba	137	483.687	3.284	0.014	0.19739	2.11	ug/L
>	Tb	159	28535.125	1.815	28535.125			ug/L
	Hg	202	124.001	4.516	0.003	0.03865	8.68	ug/L
	Tl	205	4395.966	0.756	0.131	0.20976	2.92	ug/L
	Pb	208	5627.201	4.033	0.182	0.20694	3.26	ug/L

Na	23	182924.536	1.452	0.245	23.03594	0.44	ug/L
Mg	24	92808.210	1.726	0.151	22.00521	0.31	ug/L
K	39	1123808.036	1.769	0.157	14.93596	4.54	ug/L
Ca	43	623.025	1.658	0.000	23.07590	5.74	ug/L
Fe	54	34201.312	1.727	0.016	22.85618	1.55	ug/L
Fe	57	11739.786	1.324	0.006	21.64923	2.25	ug/L
> Sc-1	45	595275.531	1.430	595275.531			ug/L
Kr	83	104.334	8.697	-1.000			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		95.004			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		93.788			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		96.767			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		95.169			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		95.004			
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCV

Sample Date/Time: Tuesday, April 27, 2010 12:34:30
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac 08 ll as cu se v.mth
Dataset File: C:\elandata\Dataset\042710\CCV.024
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Sc	45	641932.268	1.495	641932.268			ug/L
	V	51	331376.877	1.303	0.525	52.61475	0.90	ug/L
	Cu	63	154382.710	0.529	1.187	53.50112	0.44	ug/L
	Cu	65	72072.106	1.425	0.554	52.20160	1.78	ug/L
>	Ge	72	129734.584	0.379	129734.584			ug/L
	As	75	45407.172	1.215	0.350	52.72593	1.56	ug/L
	Se	82	5176.092	2.519	0.040	53.06780	2.90	ug/L
	Kr	83	101.834	15.988	-3.500			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Sc	45		102.451			
	V	51					
	Cu	63					
	Cu	65					
>	Ge	72		98.421			
	As	75					
	Se	82					
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCB

Sample Date/Time: Tuesday, April 27, 2010 12:37:38
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac 08 ll as cu se v.mth
Dataset File: C:\elandata\Dataset\042710\CCB.025
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Sc	45	633755.830	0.246	633755.830			ug/L
	V	51	-7575.123	21.562	-0.003	-0.31666	80.72	ug/L
	Cu	63	332.010	4.498	-0.000	-0.02210	22.77	ug/L
	Cu	65	197.003	4.862	-0.000	-0.01004	74.81	ug/L
>	Ge	72	131536.702	0.506	131536.702			ug/L
	As	75	3.717	1716.528	-0.000	-0.05701	128.70	ug/L
	Se	82	15.661	97.807	0.000	0.08823	175.42	ug/L
	Kr	83	108.001	7.127	2.667			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Sc	45		101.146			
	V	51					
	Cu	63					
	Cu	65					
>	Ge	72		99.788			
	As	75					
	Se	82					
	Kr	83					

Sample ID: CCB
Report Date/Time: Tuesday, April 27, 2010 12:39:04
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Method 6020 - Summary Report

Sample ID: CCV

Sample Date/Time: Tuesday, April 27, 2010 14:54:49
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042710\CCV.068
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	37844.533	0.471	0.060	50.33973	0.83	ug/L
	B	11	34446.966	1.381	0.055	44.10896	1.70	ug/L
	Al	27	292102.448	1.538	0.458	53.33222	1.82	ug/L
>	Sc	45	625295.736	0.355	625295.736			ug/L
	Ti	47	25590.087	1.027	0.040	51.95060	1.41	ug/L
	V	51	321021.338	2.329	0.522	52.32945	2.31	ug/L
	Cr	52	286335.620	0.675	0.437	51.42588	0.75	ug/L
	Mn	55	465721.352	1.100	0.743	51.45487	0.86	ug/L
	Co	59	334597.393	1.132	0.535	51.57796	1.19	ug/L
	Ni	60	66788.626	1.415	0.107	51.79335	1.06	ug/L
	Cu	63	145682.960	1.711	1.156	52.09524	1.22	ug/L
	Cu	65	69151.616	0.830	0.549	51.68964	1.83	ug/L
	Zn	66	46003.322	0.789	0.360	54.27872	1.80	ug/L
	Zn	67	16011.482	1.473	0.059	53.93238	5.14	ug/L
	Zn	68	33901.877	0.363	0.256	54.72439	1.09	ug/L
>	Ge	72	125716.877	1.004	125716.877			ug/L
	As	75	42864.564	1.343	0.341	51.36816	2.26	ug/L
	Se	82	4979.167	0.636	0.040	52.68082	1.48	ug/L
	Sr	88	657806.087	0.894	5.231	55.68581	1.15	ug/L
	Mo	95	88213.475	0.517	0.701	53.15431	0.52	ug/L
	Mo	98	140612.716	0.400	1.117	52.72491	0.71	ug/L
	Ag	107	240395.318	0.527	1.432	45.54230	1.00	ug/L
	Cd	111	65295.581	1.592	0.389	52.18943	2.09	ug/L
	Cd	114	154438.826	1.420	0.920	52.35906	1.72	ug/L
>	In	115	167850.223	0.759	167850.223			ug/L
	Sn	118	201292.089	0.689	1.195	51.01256	1.44	ug/L
	Sb	121	235408.506	0.332	1.401	52.33098	0.91	ug/L
	Sb	123	181157.429	1.773	1.078	52.53619	1.37	ug/L
	Ba	135	61907.129	0.978	2.164	53.72419	1.65	ug/L
	Ba	137	109344.130	0.957	3.823	53.63606	0.35	ug/L
>	Tb	159	28581.957	0.954	28581.957			ug/L
	Hg	202	5540.528	0.943	0.193	2.38500	1.76	ug/L
	Tl	205	959135.723	1.613	33.537	53.65215	1.98	ug/L
	Pb	208	1318325.209	0.599	46.113	52.44717	1.43	ug/L

Na	23	25757160.407	1.276	41.131	3872.66843	1.57	ug/L
Mg	24	16910162.310	1.296	27.040	3936.11224	1.58	ug/L
K	39	26936169.565	0.479	41.347	3940.48733	0.53	ug/L
Ca	43	51688.749	0.427	0.082	3997.58608	0.37	ug/L
Fe	54	1829637.978	0.166	2.885	4092.40980	0.20	ug/L
Fe	57	743530.768	0.726	1.176	4005.80852	0.87	ug/L
Sc-1	45	625295.736	0.355	625295.736			ug/L
Kr	83	100.834	8.183	-4.500			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		99.795			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		95.373			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		95.419			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		95.325			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		99.795			
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCB

Sample Date/Time: Tuesday, April 27, 2010 15:08:02
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac 08 ll.mth
Dataset File: C:\elandata\Dataset\042710\CCB.070
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	79.500	7.855	-0.000	-0.02895	31.58	ug/L
	B	11	951.392	7.593	0.001	0.93224	9.33	ug/L
	Al	27	9520.836	9.197	0.006	0.66787	25.80	ug/L
>	Sc	45	619700.210	0.822	619700.210			ug/L
	Ti	47	809.051	5.786	0.000	0.09628	107.90	ug/L
	V	51	-8437.212	34.748	-0.005	-0.48370	98.43	ug/L
	Cr	52	12831.501	2.424	-0.000	-0.03693	194.68	ug/L
	Mn	55	2003.294	6.295	0.002	0.11025	11.72	ug/L
	Co	59	95.335	24.065	-0.000	-0.00021	1662.84	ug/L
	Ni	60	101.289	6.682	0.000	0.00144	412.77	ug/L
	Cu	63	534.691	3.511	0.001	0.05308	13.93	ug/L
	Cu	65	284.172	9.127	0.001	0.05885	35.91	ug/L
	Zn	66	1245.434	1.365	0.004	0.54083	5.88	ug/L
	Zn	67	9046.316	0.515	0.002	2.22830	23.57	ug/L
	Zn	68	2111.123	0.907	0.003	0.70903	8.33	ug/L
>	Ge	72	127564.227	0.927	127564.227			ug/L
	As	75	-44.619	330.185	-0.001	-0.11437	151.88	ug/L
	Se	82	5.783	193.560	-0.000	-0.00931	1264.62	ug/L
	Sr	88	1003.748	36.706	0.006	0.06887	45.96	ug/L
	Mo	95	289.952	10.983	0.001	0.09115	22.35	ug/L
	Mo	98	470.514	4.334	0.002	0.09390	9.79	ug/L
	Ag	107	51.667	19.770	0.000	0.00138	145.33	ug/L
	Cd	111	30.384	23.491	-0.000	-0.00382	139.25	ug/L
	Cd	114	57.779	21.400	0.000	0.00162	248.28	ug/L
>	In	115	169745.890	1.966	169745.890			ug/L
	Sn	118	828.386	7.000	0.001	0.04117	45.11	ug/L
	Sb	121	181.337	10.322	-0.001	-0.01874	24.35	ug/L
	Sb	123	146.563	10.249	-0.000	-0.01336	38.76	ug/L
	Ba	135	126.834	21.887	0.002	0.05949	39.85	ug/L
	Ba	137	191.671	11.833	0.004	0.05108	22.67	ug/L
>	Tb	159	29420.791	1.489	29420.791			ug/L
	Hg	202	75.600	8.072	0.001	0.01661	14.04	ug/L
	Tl	205	1757.221	14.691	0.037	0.05875	22.85	ug/L
	Pb	208	1225.383	5.471	0.026	0.03003	6.44	ug/L

Na	23	49385.971	3.376	0.017	1.60528	12.82	ug/L
Mg	24	5825.609	9.196	0.005	0.67842	17.00	ug/L
K	39	1093944.756	1.191	0.034	3.27099	90.94	ug/L
Ca	43	1217.950	56.173	0.001	67.52220	78.12	ug/L
Fe	54	26042.152	1.065	0.001	0.97090	93.39	ug/L
Fe	57	8758.651	1.223	0.001	2.61314	34.11	ug/L
Sc-1	45	619700.210	0.822	619700.210			ug/L
Kr	83	105.501	9.986	0.167			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		98.902			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		96.775			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		96.497			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		98.123			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		98.902			
	Kr	83					

Method 6020 - Summary Report

Sample ID: MB100423-4,5

Sample Date/Time: Tuesday, April 27, 2010 15:15:07
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020S
Method File: C:\elandata\Method\epa 6020 microbac 08 ll as ba be cr co cu ni pb se v.mth
Dataset File: C:\elandata\Dataset\042710\MB100423-4,5.071
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
⌈	Be	9	78.667	6.615	-0.000	-0.02958	30.05	ug/L
|	Al	27	9643.604	5.988	0.006	0.69720	11.53	ug/L
|>	Sc	45	617132.124	1.814	617132.124			ug/L
|	V	51	-7630.235	19.883	-0.004	-0.35599	64.51	ug/L
|	Cr	52	13931.353	0.652	0.002	0.18348	35.28	ug/L
|	Co	59	110.669	5.447	0.000	0.00227	45.08	ug/L
⌊	Ni	60	89.516	2.137	-0.000	-0.00751	28.66	ug/L
⌈	Cu	63	164.670	0.351	-0.002	-0.07803	1.47	ug/L
|	Cu	65	110.667	2.569	-0.001	-0.06993	4.36	ug/L
|>	Ge	72	128359.181	1.707	128359.181			ug/L
|	As	75	-127.099	40.865	-0.001	-0.21016	28.15	ug/L
⌊	Se	82	2.875	426.604	-0.000	-0.04039	312.98	ug/L
⌈	Ba	135	90.834	14.145	0.001	0.02962	38.87	ug/L
|	Ba	137	145.003	11.099	0.002	0.02922	25.84	ug/L
|>	Tb	159	29218.348	1.024	29218.348			ug/L
⌊	Pb	208	1746.763	4.382	0.045	0.05070	7.18	ug/L
	Kr	83	106.334	9.548	1.000			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	Al	27					
>	Sc	45		98.493			
	V	51					
	Cr	52					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
>	Ge	72		97.378			
	As	75					
	Se	82					
	Ba	135					
	Ba	137					
>	Tb	159		97.448			
	Pb	208					
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME1004231-01A,500

Sample Date/Time: Tuesday, April 27, 2010 15:34:45
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020S
Method File: C:\elandata\Method\epa 6020 microbac 08 ll as ba be cr co cu ni pb se v.mth
Dataset File: C:\elandata\Dataset\042710\ME1004231-01A,500.076
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
⌈	Be	9	80.334	1.901	-0.000	-0.02416	15.54	ug/L
|	Al	27	1456843.527	0.544	2.422	282.30522	2.27	ug/L
|>	Sc	45	599329.539	1.778	599329.539			ug/L
|	V	51	-2526.612	55.737	0.005	0.45669	52.00	ug/L
|	Cr	52	20178.395	0.838	0.013	1.48945	5.63	ug/L
|	Co	59	1012.743	2.576	0.002	0.14788	1.05	ug/L
⌊	Ni	60	887.964	1.769	0.001	0.64161	1.71	ug/L
⌈	Cu	63	8024.599	2.722	0.062	2.78040	1.92	ug/L
|	Cu	65	3888.149	0.584	0.030	2.80358	1.63	ug/L
|>	Ge	72	124014.171	0.964	124014.171			ug/L
|	As	75	1235.045	8.574	0.010	1.43977	7.98	ug/L
⌊	Se	82	29.090	19.621	0.000	0.24233	25.65	ug/L
⌈	Ba	135	2047.439	0.610	0.075	1.85615	0.38	ug/L
|	Ba	137	3711.266	2.026	0.136	1.91009	2.17	ug/L
|>	Tb	159	26697.181	0.340	26697.181			ug/L
⌊	Pb	208	3915048.790	0.362	146.634	166.77502	0.69	ug/L
	Kr	83	93.167	8.056	-12.167			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	Al	27					
>	Sc	45		95.651			
	V	51					
	Cr	52					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
>	Ge	72		94.081			
	As	75					
	Se	82					
	Ba	135					
	Ba	137					
>	Tb	159		89.039			
	Pb	208					
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME1004231-02A,500

Sample Date/Time: Tuesday, April 27, 2010 15:38:41
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020S
Method File: C:\elandata\Method\epa 6020 microbac 08 ll as ba be cr co cu ni pb se v.mth
Dataset File: C:\elandata\Dataset\042710\ME1004231-02A,500.077
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
⌈	Be	9	79.667	18.748	-0.000	-0.02658	75.14	ug/L
|	Al	27	708579.663	1.443	1.158	134.97601	1.07	ug/L
|>	Sc	45	606895.212	1.006	606895.212			ug/L
|	V	51	-4406.057	51.122	0.002	0.15544	235.22	ug/L
|	Cr	52	19891.559	1.222	0.012	1.38371	4.11	ug/L
|	Co	59	432.016	5.512	0.001	0.05363	8.31	ug/L
⌊	Ni	60	2055.711	3.342	0.003	1.56719	3.76	ug/L
⌈	Cu	63	19846.436	1.160	0.156	7.02603	1.54	ug/L
|	Cu	65	9533.071	1.713	0.075	7.04161	2.51	ug/L
|>	Ge	72	124909.946	0.741	124909.946			ug/L
|	As	75	1561.215	2.121	0.012	1.82344	1.65	ug/L
⌊	Se	82	66.769	12.131	0.000	0.64204	14.19	ug/L
⌈	Ba	135	2297.676	1.265	0.084	2.09401	1.26	ug/L
|	Ba	137	3941.049	3.257	0.145	2.03613	3.94	ug/L
|>	Tb	159	26633.631	1.066	26633.631			ug/L
⌊	Pb	208	7082438.445	0.434	265.934	302.46238	1.50	ug/L
	Kr	83	103.334	10.877	-2.000			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	Al	27					
>	Sc	45		96.859			
	V	51					
	Cr	52					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
>	Ge	72		94.761			
	As	75					
	Se	82					
	Ba	135					
	Ba	137					
>	Tb	159		88.827			
	Pb	208					
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME1004231-03A,500

Sample Date/Time: Tuesday, April 27, 2010 15:42:37
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020S
Method File: C:\elandata\Method\epa 6020 microbac 08 ll as ba be cr co cu ni pb se v.mth
Dataset File: C:\elandata\Dataset\042710\ME1004231-03A,500.078
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
⌈	Be	9	86.500	5.514	-0.000	-0.01728	34.21	ug/L
|	Al	27	1136426.168	2.312	1.861	216.90385	2.27	ug/L
|>	Sc	45	607595.178	0.667	607595.178			ug/L
|	V	51	-3544.845	45.030	0.003	0.29637	88.29	ug/L
|	Cr	52	20498.291	0.921	0.013	1.49676	3.45	ug/L
|	Co	59	765.046	1.952	0.001	0.10637	1.93	ug/L
⌊	Ni	60	1180.266	3.058	0.002	0.86546	3.56	ug/L
⌈	Cu	63	7940.510	2.224	0.061	2.75282	2.65	ug/L
|	Cu	65	3866.305	0.285	0.030	2.78943	1.35	ug/L
|>	Ge	72	123909.059	1.001	123909.059			ug/L
|	As	75	673.110	14.039	0.005	0.75720	14.19	ug/L
⌊	Se	82	37.859	15.432	0.000	0.33671	18.74	ug/L
⌈	Ba	135	2183.977	1.032	0.080	1.97924	0.77	ug/L
|	Ba	137	3714.267	0.975	0.136	1.90806	1.72	ug/L
|>	Tb	159	26748.361	0.846	26748.361			ug/L
⌊	Pb	208	3062904.075	0.438	114.501	130.22868	1.26	ug/L
	Kr	83	100.667	1.517	-4.667			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	Al	27					
>	Sc	45		96.970			
	V	51					
	Cr	52					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
>	Ge	72		94.002			
	As	75					
	Se	82					
	Ba	135					
	Ba	137					
>	Tb	159		89.210			
	Pb	208					
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME1004231-07A,500

Sample Date/Time: Tuesday, April 27, 2010 15:46:34
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020S
Method File: C:\elandata\Method\epa 6020 microbac 08 ll as ba be cr co cu ni pb se v.mth
Dataset File: C:\elandata\Dataset\042710\ME1004231-07A,500.079
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
⌈	Be	9	76.667	12.584	-0.000	-0.03261	40.12	ug/L
|	Al	27	793940.167	1.095	1.274	148.50274	0.95	ug/L
|>	Sc	45	618550.044	1.139	618550.044			ug/L
|	V	51	-4496.954	18.789	0.002	0.15116	95.09	ug/L
|	Cr	52	20478.629	0.859	0.012	1.42260	0.78	ug/L
|	Co	59	1122.427	4.093	0.002	0.15994	4.61	ug/L
⌊	Ni	60	722.427	2.545	0.001	0.48918	1.82	ug/L
⌈	Cu	63	2384.727	1.848	0.016	0.70747	1.43	ug/L
|	Cu	65	1166.255	3.364	0.008	0.71090	2.20	ug/L
|>	Ge	72	127457.484	1.617	127457.484			ug/L
|	As	75	222.835	48.407	0.001	0.20105	61.54	ug/L
⌊	Se	82	18.380	32.696	0.000	0.12127	49.49	ug/L
⌈	Ba	135	1309.278	1.756	0.046	1.14511	3.41	ug/L
|	Ba	137	2274.359	1.386	0.081	1.13036	1.56	ug/L
|>	Tb	159	27260.839	2.121	27260.839			ug/L
⌊	Pb	208	529358.587	2.555	19.403	22.06866	1.62	ug/L
	Kr	83	94.334	6.189	-11.000			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	Al	27					
>	Sc	45		98.719			
	V	51					
	Cr	52					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
>	Ge	72		96.694			
	As	75					
	Se	82					
	Ba	135					
	Ba	137					
>	Tb	159		90.919			
	Pb	208					
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCV

Sample Date/Time: Tuesday, April 27, 2010 15:54:28
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac 08 ll as ba be cr co cu ni pb se v.mth
Dataset File: C:\elandata\Dataset\042710\CCV.081
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
⌈	Be	9	33381.628	2.037	0.054	45.16095	1.07	ug/L
|	Al	27	286960.351	1.067	0.457	53.30731	0.84	ug/L
|>	Sc	45	614594.093	1.612	614594.093			ug/L
|	V	51	325448.564	0.829	0.538	53.95130	0.77	ug/L
|	Cr	52	291804.407	0.881	0.454	53.42637	2.60	ug/L
|	Co	59	345444.312	0.293	0.562	54.18713	1.68	ug/L
⌊	Ni	60	68846.490	1.124	0.112	54.32717	0.65	ug/L
⌈	Cu	63	150880.669	1.274	1.187	53.48260	1.40	ug/L
|	Cu	65	72137.742	1.776	0.567	53.44014	0.89	ug/L
|>	Ge	72	126840.926	1.025	126840.926			ug/L
|	As	75	43645.910	1.128	0.344	51.83411	0.52	ug/L
⌊	Se	82	4807.503	1.734	0.038	50.40380	0.76	ug/L
⌈	Ba	135	59855.326	1.204	2.234	55.46506	0.27	ug/L
|	Ba	137	105344.203	1.171	3.933	55.18212	0.55	ug/L
|>	Tb	159	26765.757	1.228	26765.757			ug/L
⌊	Pb	208	1261254.330	0.829	47.108	53.57917	0.50	ug/L
	Kr	83	103.167	1.959	-2.167			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	Al	27					
>	Sc	45		98.087			
	V	51					
	Cr	52					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
>	Ge	72		96.226			
	As	75					
	Se	82					
	Ba	135					
	Ba	137					
>	Tb	159		89.268			
	Pb	208					
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCB

Sample Date/Time: Tuesday, April 27, 2010 15:58:23
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac 08 ll as ba be cr co cu ni pb se v.mth
Dataset File: C:\elandata\Dataset\042710\CCB.082
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
⌈	Be	9	80.167	4.153	-0.000	-0.02542	24.95	ug/L
|	Al	27	9474.452	4.881	0.006	0.70139	9.81	ug/L
|>	Sc	45	605067.056	1.976	605067.056			ug/L
|	V	51	-3436.668	72.851	0.003	0.30813	138.35	ug/L
|	Cr	52	15607.557	0.605	0.005	0.56241	9.01	ug/L
|	Co	59	118.335	9.309	0.000	0.00381	36.50	ug/L
⌊	Ni	60	98.171	3.450	0.000	0.00085	413.85	ug/L
⌈	Cu	63	401.348	2.302	0.000	0.00893	48.00	ug/L
|	Cu	65	227.837	8.023	0.000	0.02057	60.73	ug/L
|>	Ge	72	124947.853	0.876	124947.853			ug/L
|	As	75	-78.639	58.699	-0.001	-0.15644	35.81	ug/L
⌊	Se	82	9.452	99.795	0.000	0.03033	330.99	ug/L
⌈	Ba	135	180.002	9.391	0.005	0.11733	14.28	ug/L
|	Ba	137	321.010	4.493	0.009	0.12582	7.03	ug/L
|>	Tb	159	27105.278	0.859	27105.278			ug/L
⌊	Pb	208	1149.712	9.297	0.027	0.03090	13.28	ug/L
	Kr	83	105.167	2.393	-0.167			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	Al	27					
>	Sc	45		96.567			
	V	51					
	Cr	52					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
>	Ge	72		94.790			
	As	75					
	Se	82					
	Ba	135					
	Ba	137					
>	Tb	159		90.400			
	Pb	208					
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME1004231-07ASD,2500

Sample Date/Time: Tuesday, April 27, 2010 16:02:19
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020S
Method File: C:\elandata\Method\epa 6020 microbac 08 ll as ba be cr co cu ni pb se v.mth
Dataset File: C:\elandata\Dataset\042710\ME1004231-07ASD,2500.083
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
⌈	Be	9	75.834	4.949	-0.000	-0.02645	23.39	ug/L
|	Al	27	170926.973	3.267	0.287	33.42678	7.73	ug/L
|>	Sc	45	577864.182	4.095	577864.182			ug/L
|	V	51	-495.597	204.165	0.008	0.78984	23.02	ug/L
|	Cr	52	8923.225	4.180	-0.006	-0.65273	23.21	ug/L
|	Co	59	291.342	11.119	0.000	0.03374	20.29	ug/L
⌊	Ni	60	218.676	6.850	0.000	0.10636	19.09	ug/L
⌈	Cu	63	659.035	3.158	0.002	0.09365	5.77	ug/L
|	Cu	65	336.007	3.581	0.001	0.09353	11.00	ug/L
|>	Ge	72	129405.721	0.812	129405.721			ug/L
|	As	75	125.277	36.285	0.001	0.08475	63.40	ug/L
⌊	Se	82	8.000	170.826	0.000	0.01275	1103.94	ug/L
⌈	Ba	135	340.341	7.095	0.010	0.25002	8.18	ug/L
|	Ba	137	554.359	2.702	0.017	0.23363	3.20	ug/L
|>	Tb	159	28383.887	0.220	28383.887			ug/L
⌊	Pb	208	122040.318	0.871	4.284	4.87286	0.67	ug/L
	Kr	83	103.501	12.781	-1.833			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	Al	27					
>	Sc	45		92.225			
	V	51					
	Cr	52					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
>	Ge	72		98.172			
	As	75					
	Se	82					
	Ba	135					
	Ba	137					
>	Tb	159		94.665			
	Pb	208					
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME1004231-07AMS,500

Sample Date/Time: Tuesday, April 27, 2010 16:06:15
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020S
Method File: C:\elandata\Method\epa 6020 microbac 08 ll as ba be cr co cu ni pb se v.mth
Dataset File: C:\elandata\Dataset\042710\ME1004231-07AMS,500.084
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	349.508	1.452	0.000	0.34268	1.86	ug/L
	Al	27	1171556.612	1.765	1.914	223.16943	2.57	ug/L
>	Sc	45	608968.970	1.108	608968.970			ug/L
	V	51	22318.283	6.042	0.045	4.55225	4.09	ug/L
	Cr	52	40610.573	0.472	0.046	5.37597	2.27	ug/L
	Co	59	3646.568	2.853	0.006	0.56227	2.18	ug/L
	Ni	60	6002.376	0.814	0.010	4.70898	0.39	ug/L
	Cu	63	3408.456	1.791	0.024	1.09124	0.74	ug/L
	Cu	65	1664.847	1.285	0.012	1.10210	2.09	ug/L
>	Ge	72	125197.272	1.656	125197.272			ug/L
	As	75	3808.456	1.246	0.030	4.52651	0.57	ug/L
	Se	82	400.964	4.712	0.003	4.19765	6.34	ug/L
	Ba	135	6668.556	0.502	0.245	6.07018	1.40	ug/L
	Ba	137	11715.700	1.440	0.430	6.03405	1.16	ug/L
>	Tb	159	27060.788	0.894	27060.788			ug/L
	Pb	208	612854.158	0.845	22.632	25.74128	0.68	ug/L
	Kr	83	101.834	8.452	-3.500			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	Al	27					
>	Sc	45		97.190			
	V	51					
	Cr	52					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
>	Ge	72		94.979			
	As	75					
	Se	82					
	Ba	135					
	Ba	137					
>	Tb	159		90.252			
	Pb	208					
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME1004231-07AMSD,500

Sample Date/Time: Tuesday, April 27, 2010 16:10:10
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020S
Method File: C:\elandata\Method\epa 6020 microbac 08 ll as ba be cr co cu ni pb se v.mth
Dataset File: C:\elandata\Dataset\042710\ME1004231-07AMSD,500.085
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
⌈	Be	9	349.508	3.221	0.000	0.34040	3.84	ug/L
|	Al	27	1267447.759	1.232	2.062	240.35914	0.77	ug/L
|>	Sc	45	611827.499	1.095	611827.499			ug/L
|	V	51	22609.790	18.423	0.046	4.58043	14.12	ug/L
|	Cr	52	40972.193	1.182	0.046	5.40794	0.35	ug/L
|	Co	59	3744.282	1.315	0.006	0.57502	0.76	ug/L
⌊	Ni	60	6038.754	1.239	0.010	4.71609	2.22	ug/L
⌈	Cu	63	3611.217	2.240	0.026	1.15885	2.45	ug/L
|	Cu	65	1770.037	2.615	0.012	1.17541	2.02	ug/L
|>	Ge	72	125720.997	0.895	125720.997			ug/L
|	As	75	3669.391	4.651	0.029	4.33946	3.88	ug/L
⌊	Se	82	399.042	0.541	0.003	4.15719	1.44	ug/L
⌈	Ba	135	6728.776	2.472	0.244	6.06289	1.96	ug/L
|	Ba	137	11772.787	1.390	0.428	6.00395	2.79	ug/L
|>	Tb	159	27335.430	1.517	27335.430			ug/L
⌊	Pb	208	634944.283	1.099	23.217	26.40554	1.98	ug/L
	Kr	83	100.501	6.582	-4.833			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	Al	27					
>	Sc	45		97.646			
	V	51					
	Cr	52					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
>	Ge	72		95.376			
	As	75					
	Se	82					
	Ba	135					
	Ba	137					
>	Tb	159		91.168			
	Pb	208					
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME1004231-07APDS,500

Sample Date/Time: Tuesday, April 27, 2010 16:14:05
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020S
Method File: C:\elandata\Method\epa 6020 microbac 08 ll as ba be cr co cu ni pb se v.mth
Dataset File: C:\elandata\Dataset\042710\ME1004231-07APDS,500.086
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
⌈	Be	9	378.843	2.667	0.000	0.37593	4.82	ug/L
|	Al	27	750882.011	1.165	1.207	140.66905	0.98	ug/L
|>	Sc	45	617331.006	1.310	617331.006			ug/L
|	V	51	26691.269	7.020	0.052	5.21219	5.07	ug/L
|	Cr	52	42160.848	1.491	0.047	5.56597	3.69	ug/L
|	Co	59	4009.752	2.793	0.006	0.61127	2.99	ug/L
⌊	Ni	60	6698.000	1.822	0.011	5.19152	1.77	ug/L
⌈	Cu	63	3451.475	0.713	0.024	1.10419	0.45	ug/L
|	Cu	65	1716.858	1.698	0.012	1.13838	1.40	ug/L
|>	Ge	72	125453.367	0.656	125453.367			ug/L
|	As	75	3796.226	3.165	0.030	4.50255	3.47	ug/L
⌊	Se	82	435.163	2.402	0.003	4.54980	2.98	ug/L
⌈	Ba	135	7183.019	1.128	0.261	6.48137	1.14	ug/L
|	Ba	137	12361.716	0.974	0.450	6.31064	1.45	ug/L
|>	Tb	159	27310.669	0.469	27310.669			ug/L
⌊	Pb	208	607980.337	1.020	22.247	25.30269	1.21	ug/L
	Kr	83	98.334	14.510	-7.000			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	Al	27					
>	Sc	45		98.524			
	V	51					
	Cr	52					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
>	Ge	72		95.173			
	As	75					
	Se	82					
	Ba	135					
	Ba	137					
>	Tb	159		91.085			
	Pb	208					
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCV

Sample Date/Time: Tuesday, April 27, 2010 16:21:57
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac 08 ll as ba be cr co cu ni pb se v.mth
Dataset File: C:\elandata\Dataset\042710\CCV.088
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
⌈	Be	9	33577.630	0.998	0.054	45.38535	2.30	ug/L
|	Al	27	285731.332	1.289	0.455	53.02470	2.97	ug/L
|>	Sc	45	615408.788	2.771	615408.788			ug/L
|	V	51	320384.075	1.667	0.530	53.07452	2.81	ug/L
|	Cr	52	293502.721	1.335	0.456	53.68117	2.15	ug/L
|	Co	59	339774.174	1.171	0.552	53.23321	1.63	ug/L
⌊	Ni	60	67968.535	0.871	0.110	53.57811	1.94	ug/L
⌈	Cu	63	149575.151	1.091	1.191	53.68920	0.47	ug/L
|	Cu	65	71308.505	0.722	0.568	53.49864	0.63	ug/L
|>	Ge	72	125258.686	1.349	125258.686			ug/L
|	As	75	43141.263	0.672	0.344	51.88851	1.56	ug/L
⌊	Se	82	4791.232	0.259	0.038	50.87810	1.61	ug/L
⌈	Ba	135	59881.032	1.393	2.219	55.08294	1.02	ug/L
|	Ba	137	106931.883	0.986	3.963	55.60634	1.14	ug/L
|>	Tb	159	26965.127	1.883	26965.127			ug/L
⌊	Pb	208	1265836.627	1.810	46.929	53.37499	0.35	ug/L
	Kr	83	98.334	3.065	-7.000			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	Al	27					
>	Sc	45		98.218			
	V	51					
	Cr	52					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
>	Ge	72		95.026			
	As	75					
	Se	82					
	Ba	135					
	Ba	137					
>	Tb	159		89.933			
	Pb	208					
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCB

Sample Date/Time: Tuesday, April 27, 2010 16:25:53
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac 08 ll as ba be cr co cu ni pb se v.mth
Dataset File: C:\elandata\Dataset\042710\CCB.089
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	78.167	11.196	-0.000	-0.02763	41.71	ug/L
	Al	27	7196.374	1.964	0.002	0.27151	13.41	ug/L
>	Sc	45	601373.044	0.657	601373.044			ug/L
	V	51	-4670.850	13.145	0.001	0.10194	104.96	ug/L
	Cr	52	14943.241	0.952	0.004	0.45058	9.99	ug/L
	Co	59	106.002	16.340	0.000	0.00197	144.26	ug/L
	Ni	60	91.558	11.734	-0.000	-0.00403	216.66	ug/L
	Cu	63	282.341	7.641	-0.001	-0.03606	23.13	ug/L
	Cu	65	164.002	4.191	-0.000	-0.03001	20.02	ug/L
>	Ge	72	127553.791	0.806	127553.791			ug/L
	As	75	92.808	61.555	0.000	0.04822	140.28	ug/L
	Se	82	16.473	27.682	0.000	0.10183	47.30	ug/L
	Ba	135	60.167	10.457	0.000	0.00726	75.94	ug/L
	Ba	137	79.335	11.712	0.000	0.00048	948.38	ug/L
>	Tb	159	27217.674	0.741	27217.674			ug/L
	Pb	208	883.029	13.566	0.017	0.01959	26.01	ug/L
	Kr	83	102.834	7.052	-2.500			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	Al	27					
>	Sc	45		95.977			
	V	51					
	Cr	52					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
>	Ge	72		96.767			
	As	75					
	Se	82					
	Ba	135					
	Ba	137					
>	Tb	159		90.775			
	Pb	208					
	Kr	83					

Calibration Report

Analyte	Mass	Curve Type	Slope	Intercept	Corr Coeff
Be	9.012	Linear Thru Zero	0.001199	0.000	0.999922
B	11.009	Linear Thru Zero	0.001240	0.000	0.999858
Al	26.982	Linear Thru Zero	0.008579	0.000	0.999896
Sc	44.956	Linear Thru Zero	0.000000	0.000	0.000000
Ti	46.952	Linear Thru Zero	0.000764	0.000	0.999931
V	50.944	Linear Thru Zero	0.009979	0.000	0.999835
Cr	51.941	Linear Thru Zero	0.008496	0.000	0.999872
Mn	54.938	Linear Thru Zero	0.014443	0.000	0.999943
Co	58.933	Linear Thru Zero	0.010372	0.000	0.999914
Ni	59.933	Linear Thru Zero	0.002059	0.000	0.999913
Cu	62.930	Linear Thru Zero	0.022186	0.000	0.999945
Cu	64.928	Linear Thru Zero	0.010612	0.000	0.999943
Zn	65.926	Linear Thru Zero	0.006629	0.000	0.999960
Zn	66.927	Linear Thru Zero	0.001092	0.000	0.999934
Zn	67.925	Linear Thru Zero	0.004686	0.000	0.999959
Ge	71.922	Linear Thru Zero	0.000000	0.000	0.000000
As	74.922	Linear Thru Zero	0.006631	0.000	0.999973
Se	81.917	Linear Thru Zero	0.000751	0.000	0.999975
Sr	87.906	Linear Thru Zero	0.093943	0.000	0.999878
Mo	94.906	Linear Thru Zero	0.013181	0.000	0.999964
Mo	97.906	Linear Thru Zero	0.021182	0.000	0.999967
Ag	106.905	Linear Thru Zero	0.031443	0.000	0.999881
Cd	110.904	Linear Thru Zero	0.007450	0.000	0.999901
Cd	113.904	Linear Thru Zero	0.017568	0.000	0.999877
In	114.904	Linear Thru Zero	0.000000	0.000	0.000000
Sn	117.902	Linear Thru Zero	0.023433	0.000	0.999926
Sb	120.904	Linear Thru Zero	0.026772	0.000	0.999914
Sb	122.904	Linear Thru Zero	0.020521	0.000	0.999874
Ba	134.906	Linear Thru Zero	0.040284	0.000	0.999872
Ba	136.905	Linear Thru Zero	0.071272	0.000	0.999913
Tb	158.925	Linear Thru Zero	0.000000	0.000	0.000000
Hg	201.971	Linear Thru Zero	0.080771	0.000	0.999852
Tl	204.975	Linear Thru Zero	0.625080	0.000	0.999903
Pb	207.977	Linear Thru Zero	0.879230	0.000	0.999873
Na	22.990	Linear Thru Zero	0.010621	0.000	0.999999
Mg	23.985	Linear Thru Zero	0.006870	0.000	0.999999
K	38.964	Linear Thru Zero	0.010493	0.000	0.999998
Ca	42.959	Linear Thru Zero	0.000021	0.000	0.999958
Fe	53.940	Linear Thru Zero	0.000705	0.000	0.999998
Fe	56.935	Linear Thru Zero	0.000294	0.000	0.999999
Sc-1	44.956	Linear Thru Zero	0.000000	0.000	0.000000
Kr	82.914	Linear Thru Zero	0.000000	0.000	0.000000

DIGESTION LOG(S)

Microbac Laboratories, Inc.

PREP BATCH REPORT

Prep Batch **81247** Prep Code: **3050I** Technician: **Shon Ahrendt**

Prep Start Date: **4/23/2010 6:45:00 AM**
Prep End Date: **4/23/2010 10:00:00 AM**

Sample ID	Matrix	pH	wt (g)	Ini vol (mL)	Sol Added	Sol Recov	Fin Vol (mL)	factor	PrepStart	PrepEnd
LCS100423-4			0.5		0	0	50	100	4/23/2010	4/23/2010
lcsd100423-4			0.5		0	0	50	100	4/23/2010	4/23/2010
MB100423-4			1		0	0	50	50	4/23/2010	4/23/2010
ME1004231-01A	Solid		1		0	0	50	50	4/23/2010	4/23/2010
ME1004231-02A	Solid		1.05		0	0	50	47.619048	4/23/2010	4/23/2010
ME1004231-03A	Solid		1.01		0	0	50	49.504950	4/23/2010	4/23/2010
ME1004231-04A	Solid		1.04		0	0	50	48.076923	4/23/2010	4/23/2010
ME1004231-05A	Solid		1.1		0	0	50	45.454545	4/23/2010	4/23/2010
ME1004231-06A	Solid		1.02		0	0	50	49.019608	4/23/2010	4/23/2010
ME1004231-07A	Solid		1.09		0	0	50	45.87156	4/23/2010	4/23/2010
me1004231-07ams	Solid		1.08		0	0	50	46.296296	4/23/2010	4/23/2010
me1004231-07ams	Solid		1.08		0	0	50	46.296296	4/23/2010	4/23/2010
ME1004255-05A	Wipe		1		0	0	50	50	4/23/2010	4/23/2010
ME1004255-10A	Wipe		1		0	0	50	50	4/23/2010	4/23/2010
ME1004269-01A	Solid		1.2		0	0	50	41.666667	4/23/2010	4/23/2010
ME1004269-02A	Solid		1.01		0	0	50	49.504950	4/23/2010	4/23/2010
ME1004269-03A	Solid		1.08		0	0	50	46.296296	4/23/2010	4/23/2010
ME1004284-01A	Soil		1.07		0	0	50	46.728972	4/23/2010	4/23/2010
me1004285-01a	Solid		1		0	0	50	50	4/23/2010	4/23/2010

PERCENT MOISTURE RAW DATA

Microbac Laboratories - Chicagoland Division

Percent Moisture

Test Code: PMOIST

Date/Time: 4/21/2010 15:50 Analyst: ARCELA Oven ID: 3

☑ Balance Calibration Verified

☑ Proper Temp* Verified

Units: units

Balance ID: 2

* (104 ±1 ºC)

Sample ID	Sample Type	Cont ID	Boat ID	Boat Weight	Boat + Sample Weight	Weight after 104	Weight after 104	Weight after 104	Weight after 104	Prior to Final Weight	True Final Weight	Final - Initial Weight of Boat	Final Result (pct)
ME1004231-01A	SAMP	1	1	1.3072	11.6552	9.3514	9.3530			9.3514	9.3530	8.0458	22.2478
ME1004231-02A	SAMP	1	2	1.3030	10.1978	4.9155	4.9173			4.9155	4.9173	3.6143	59.3661
ME1004231-03A	SAMP	1	3	1.2980	9.9964	5.9037	5.9058			5.9037	5.9058	4.6078	47.0270
ME1004231-04A	SAMP	1	4	1.2985	10.7567	7.7703	7.7734			7.7703	7.7734	6.4749	31.5419
ME1004231-05A	SAMP	1	5	1.3079	10.5752	9.1866	9.1888			9.1866	9.1888	7.8809	14.9601
ME1004231-06A	SAMP	1	6	1.3020	10.7650	8.3111	8.3137			8.3111	8.3137	7.0117	25.9040
ME1004231-07A	SAMP	1	7	1.3035	10.5806	8.3220	8.3250			8.3220	8.3250	7.0215	24.3136
ME1004231-07Adu	dup	1	8	1.2970	11.0358	8.8362	8.8380			8.8362	8.8380	7.5410	22.5675
ME1004216-01A	SAMP	1	9	1.3030	10.8935	9.8623	9.8629			9.8623	9.8629	8.5599	10.7461
ME1004216-02A	SAMP	5	10	1.3047	10.4546	9.3569	9.3578			9.3569	9.3578	8.0531	11.9870
ME1004216-03A	SAMP	4	11	1.3033	11.0711	10.0897	10.0911			10.0897	10.0911	8.7878	10.0330
ME1004216-04A	SAMP	4	12	1.3004	10.8810	9.8906	9.8916			9.8906	9.8916	8.5912	10.3271
ME1004216-05A	SAMP	4	13	1.2986	10.3287	9.5003	9.5028			9.5003	9.5028	8.2042	9.1461
ME1004216-06A	SAMP	4	14	1.3044	10.1542	9.3241	9.3249			9.3241	9.3249	8.0205	9.3708
ME1004216-07A	SAMP	1	15	1.3048	10.9801	10.0844	10.0853			10.0844	10.0853	8.7805	9.2483
ME1004216-08A	SAMP	4	16	1.3062	12.7645	11.3168	11.3175			11.3168	11.3175	10.0113	12.6284
ME1004216-09A	SAMP	2	17	1.3048	11.0475	9.7721	9.7727			9.7721	9.7727	8.4679	13.0847
ME1004216-10A	SAMP	4	18	1.2981	11.8819	10.6840	10.6845			10.6840	10.6845	9.3864	11.3135
ME1004216-11A	SAMP	1	19	1.3007	10.6752	9.8743	9.8761			9.8743	9.8761	8.5754	8.5242
ME1004216-12A	SAMP	4	20	1.3008	11.4777	10.2927	10.2952			10.2927	10.2952	8.9944	11.6195
ME1004216-13A	SAMP	2	21	1.3083	11.9691	10.4949	10.4958			10.4949	10.4958	9.1875	13.8198
	SAMP												
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CHAINS OF CUSTODY

Microbac®

Samples Submitted to: [ ] 250 West 84th Drive, Merrillville, IN 46410, Tel: 219-769-8378, Fax: 219-769-1664 [X] 5713 West 85th Street, Indianapolis, IN 46278, Tel: 317-872-1375, Fax: 317-872-1379

Chain of Custody Record

Number 95307

Instructions on back

ME100423 1 WSP GROUP - SAN JOSE, C 4/30/2010 DDG
EPA Lead Site
Lorena benitez

ent Name WSP Environment & Energy	Project Quemetco, Indianapolis	Turnaround Time	Report Type
dress 2025 Gateway Place, Suite 435	Location Indianapolis	[X] Routine (7 working days)	[ ] Results Only [ ] Level II
y, State, Zip San Jose, CA 95110	PO # 218241	[ ] RUSH* (notify lab)	[ ] Level III [ ] Level III CLP-like
ntact Lorena Benitez	Compliance Monitoring? [ ] Yes(1) [X] No	(needed by)	[X] Level IV [ ] Level IV CLP-like
ephone # 408.453.6100	(1)Agency/Program		[ ] EDD

npled by (PRINT) Lorena Benitez / Patrick Carter Sampler Signature [signature] Sampler Phone # 408.453.6100

d Report via [ ] Mail [ ] Telephone [ ] Fax (fax #) [X] e-mail (address) lorena.benitez@wspgroup.com

* Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

** Preservative Types: (1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Requested Analyses → Preservative Types ** ↓	Total Lead 6020 by ICP/MS	For Lab Use Only 1004231
Z1-21 (0-6")	S	X			4.13.10	10:10	1	~~None~~ U	X	01 A
Z1-19 (0")	S	X			4.13.10	9:27	1	U	X	02
Z1-33 (0")	S	X			4.13.10	14:57	1	U	X	03
Z1-60 (0")	S	X			4.15.10	13:07	1	U	X	04
Z1-86 (0-6")	S	X			4.17.10	16:05	1	U	X	05
Z1-104 (0-6")	S	X			4.18.10	14:15	1	U	X	06
Z1-55 (0-6")	S	X			~~4.18~~ 4.19.10	14:08	1	U	X	07

Possible Hazard Identification [ ] Hazardous [ ] Non-Hazardous [ ] Radioactive

Sample Disposition [X] Dispose as appropriate [ ] Return [ ] Archive

Comments

Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
[signature]	4.21.10 10:45	[signature]	4/21/10 1045
[signature]	4/21/10 1235		
		Received for Lab By (signature) [signature]	4/21/10 1235

Sample temperature upon receipt in degrees C = 2.2

rev. 11/04/04

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