284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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DATA PACKAGE

METALS

PROJECT NAME : FORMER SCHLUMBERGER SITE PRINCETON NJ

JACOBS ENGINEERING GROUP, INC.

412 Mt. Kemble Ave

Downtown Building

Morristown, NJ - 07960

Phone No: 9732670555

ORDER ID : P3573

ATTENTION : John Ynfante

Laboratory Certification ID # 20012

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Cover Page

Order ID : P3573

Project ID : Former Schlumberger Site Princeton NJ

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
P3573-01	S-858-KI-SO-2-2.5-080924
P3573-02	S-859-KI-SO-2-2.5-080924
P3573-03	S-859-KI-SO-2-2.5-080924-FD
P3573-04	S-860-KI-SO-2-2.5-080924
P3573-05	S-856-J-SO-1-1.5-080924
P3573-06	S-856-J-SO-1-1.5-080924-FD
P3573-07	S-856-J-SO-1.5-2-080924
P3573-08	S-856-J-SO-2-2.5-080924
P3573-09	S-856-J-SO-3-3.5-080924
P3573-10	S-856-J-SO-4-4.5-080924
P3573-12	EB-01-080924

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 6/3/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger Site Princeton NJ
Project # N/A
Order ID # P3573
Test Name: Metals Group5

A. Number of Samples and Date of Receipt:
10 Solid samples were received on 08/09/2024.
1 Water sample was received on 08/09/2024.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Metals Group5 and SVOCMS Group2. This data package contains results for Metals Group5.

C. Analytical Techniques:
The analysis of Metals Group5 was based on method 6010D and digestion based on method 3050 (soils) and 3010 (waters).

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:
This Data Package has been revised due to Client ID Changed as per Client Request.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

QA Control # A3040961

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

METALS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: P3573 MATRIX: Solid, Water

METHOD: 6010D

		NA	NO	YES
1.	Calibration Summary met criteria.			✓
2.	ICP Interference Check Sample Results Summary Submitted.			✓
3.	Serial Dilution Summary (if applicable) Submitted.			✓
4.	Laboratory Control Sample Summary (if applicable) Submitted.			✓
5.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Met Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
7.	Sample Duplicate Analysis Met QC Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
8.	Digestion Holding Time Met If not met, list number of days exceeded for each sample:			✓
9.	Analysis Holding Time Met If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓

ADDITIONAL COMMENTS: This Data Package has been revised due to Client ID Changed as per Client Request.

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P3573

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 06/03/2025

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LAB CHRONICLE

OrderID:	P3573	**OrderDate:**	8/12/2024 9:50:00 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger Site Princeton NJ
Contact:	John Ynfante	**Location:**	D11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3573-01	**S-858-KI-SO-2-2.5-080924**	**SOIL**			**08/09/24**			**08/09/24**
			Metals Group5	6010D		08/14/24	08/23/24	
P3573-02	**S-859-KI-SO-2-2.5-080924**	**SOIL**			**08/09/24**			**08/09/24**
			Metals Group5	6010D		08/14/24	08/23/24	
P3573-03	**S-859-KI-SO-2-2.5-080924-FD**	**SOIL**			**08/09/24**			**08/09/24**
			Metals Group5	6010D		08/14/24	08/23/24	
P3573-04	**S-860-KI-SO-2-2.5-080924**	**SOIL**			**08/09/24**			**08/09/24**
			Metals Group5	6010D		08/14/24	08/23/24	
P3573-12	**EB-01-080924**	**Water**			**08/09/24**			**08/09/24**
			Metals Group5	6010D		08/14/24	08/23/24	

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Hit Summary Sheet
SW-846

SDG No.: P3573 **Order ID:** P3573

Client: JACOBS Engineering Group, Inc. **Project ID:** Former Schlumberger Site Princeton NJ

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : S-858-KI-SO-2-2.5-080924								
P3573-01	S-858-KI-SO-2-2.5-080924	SOIL	Silver	2.04		0.051	0.49	mg/Kg
Client ID : S-859-KI-SO-2-2.5-080924								
P3573-02	S-859-KI-SO-2-2.5-080924	SOIL	Silver	1.81		0.058	0.56	mg/Kg
Client ID : S-859-KI-SO-2-2.5-080924-FD								
P3573-03	S-859-KI-SO-2-2.5-080924-FD	SOIL	Silver	3.64		0.052	0.50	mg/Kg
Client ID : S-860-KI-SO-2-2.5-080924								
P3573-04	S-860-KI-SO-2-2.5-080924	SOIL	Silver	2.68		0.059	0.57	mg/Kg

SAMPLE DATA

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/09/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/09/24
Client Sample ID:	S-858-KI-SO-2-2.5-080924	SDG No.:	P3573
Lab Sample ID:	P3573-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	82.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-22-4	Silver	2.04		1	0.051	0.49	mg/Kg	08/14/24 11:00	08/23/24 19:56	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	Metals Group5				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/09/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/09/24
Client Sample ID:	S-859-KI-SO-2-2.5-080924	SDG No.:	P3573
Lab Sample ID:	P3573-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-22-4	Silver	1.81		1	0.058	0.56	mg/Kg	08/14/24 11:00	08/23/24 20:00	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	Metals Group5				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/09/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/09/24
Client Sample ID:	S-859-KI-SO-2-2.5-080924-FD	SDG No.:	P3573
Lab Sample ID:	P3573-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-22-4	Silver	3.64		1	0.052	0.50	mg/Kg	08/14/24 11:00	08/23/24 20:04	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	Metals Group5				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/09/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/09/24
Client Sample ID:	S-860-KI-SO-2-2.5-080924	SDG No.:	P3573
Lab Sample ID:	P3573-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	84.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-22-4	Silver	2.68		1	0.059	0.57	mg/Kg	08/14/24 11:00	08/23/24 20:08	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	Metals Group5				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/09/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/09/24
Client Sample ID:	EB-01-080924	SDG No.:	P3573
Lab Sample ID:	P3573-12	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-22-4	Silver	0.58	U	1	0.58	5.00	ug/L	08/14/24 11:10	08/23/24 18:49	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	N/A	Artifacts:	
Comments:	Metals Group5				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Silver	258	250	103	90 - 110	P	08/15/2024	12:24	LB132039

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Silver	11.8	10.0	118	80 - 120	P	08/15/2024	12:29	LB132039

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Silver	1190	1250	95	90 - 110	P	08/15/2024	13:16	LB132039
CCV02	Silver	1250	1250	100	90 - 110	P	08/15/2024	14:10	LB132039
CCV03	Silver	1300	1250	104	90 - 110	P	08/15/2024	15:01	LB132039
CCV04	Silver	1240	1250	99	90 - 110	P	08/15/2024	15:23	LB132039
CCV05	Silver	1240	1250	99	90 - 110	P	08/15/2024	16:23	LB132039
CCV06	Silver	1250	1250	100	90 - 110	P	08/15/2024	17:14	LB132039
CCV07	Silver	1280	1250	103	90 - 110	P	08/15/2024	18:11	LB132039
CCV08	Silver	1280	1250	102	90 - 110	P	08/15/2024	19:03	LB132039
CCV09	Silver	1230	1250	98	90 - 110	P	08/15/2024	19:35	LB132039

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Silver	270	250	108	90 - 110	P	08/23/2024	09:52	LB132142

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Silver	11.7	10.0	117	80 - 120	P	08/23/2024	09:56	LB132142

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Silver	1260	1250	101	90 - 110	P	08/23/2024	10:22	LB132142
CCV02	Silver	1270	1250	102	90 - 110	P	08/23/2024	11:19	LB132142
CCV03	Silver	1250	1250	100	90 - 110	P	08/23/2024	12:11	LB132142
CCV04	Silver	1260	1250	100	90 - 110	P	08/23/2024	13:16	LB132142
CCV05	Silver	1240	1250	99	90 - 110	P	08/23/2024	14:08	LB132142
CCV06	Silver	1220	1250	97	90 - 110	P	08/23/2024	14:59	LB132142
CCV07	Silver	1240	1250	99	90 - 110	P	08/23/2024	15:56	LB132142
CCV08	Silver	1260	1250	101	90 - 110	P	08/23/2024	16:47	LB132142
CCV09	Silver	1220	1250	98	90 - 110	P	08/23/2024	18:27	LB132142
CCV10	Silver	1250	1250	100	90 - 110	P	08/23/2024	19:23	LB132142
CCV11	Silver	1230	1250	99	90 - 110	P	08/23/2024	20:47	LB132142

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Silver	259	250	104	90 - 110	P	08/24/2024	10:27	LB132156

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Silver	11.6	10.0	116	80 - 120	P	08/24/2024	10:49	LB132156

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Silver	1240	1250	99	90 - 110	P	08/24/2024	11:46	LB132156
CCV02	Silver	1230	1250	98	90 - 110	P	08/24/2024	12:49	LB132156
CCV03	Silver	1250	1250	100	90 - 110	P	08/24/2024	13:44	LB132156
CCV04	Silver	1250	1250	100	90 - 110	P	08/24/2024	14:36	LB132156
CCV05	Silver	1260	1250	101	90 - 110	P	08/24/2024	15:25	LB132156

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Silver	268	250	107	90 - 110	P	08/25/2024	18:47	LB132157

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Silver	11.3	10.0	113	80 - 120	P	08/25/2024	19:17	LB132157

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Silver	1260	1250	101	90 - 110	P	08/25/2024	19:44	LB132157
CCV02	Silver	1260	1250	101	90 - 110	P	08/25/2024	20:37	LB132157
CCV03	Silver	1310	1250	105	90 - 110	P	08/25/2024	21:28	LB132157
CCV04	Silver	1270	1250	102	90 - 110	P	08/25/2024	22:26	LB132157
CCV05	Silver	1270	1250	102	90 - 110	P	08/25/2024	23:28	LB132157
CCV06	Silver	1280	1250	102	90 - 110	P	08/26/2024	00:39	LB132157
CCV07	Silver	1280	1250	102	90 - 110	P	08/26/2024	01:31	LB132157
CCV08	Silver	1280	1250	103	90 - 110	P	08/26/2024	02:07	LB132157

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Silver	12.3	10.0	123	40 - 160	P	08/15/2024	12:38	LB132039
CRI01	Silver	11.6	10.0	116	40 - 160	P	08/23/2024	10:05	LB132142
CRI01	Silver	10.8	10.0	108	40 - 160	P	08/24/2024	11:04	LB132156
CRI01	Silver	12.5	10.0	125	40 - 160	P	08/25/2024	19:26	LB132157

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/15/2024	12:33	LB132039

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/15/2024	13:22	LB132039
CCB02	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/15/2024	14:15	LB132039
CCB03	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/15/2024	15:05	LB132039
CCB04	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/15/2024	15:27	LB132039
CCB05	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/15/2024	16:27	LB132039
CCB06	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/15/2024	17:18	LB132039
CCB07	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/15/2024	18:16	LB132039
CCB08	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/15/2024	19:07	LB132039
CCB09	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/15/2024	19:40	LB132039

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/23/2024	10:01	LB132142

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/23/2024	10:27	LB132142
CCB02	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/23/2024	11:23	LB132142
CCB03	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/23/2024	12:15	LB132142
CCB04	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/23/2024	13:20	LB132142
CCB05	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/23/2024	14:12	LB132142
CCB06	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/23/2024	15:03	LB132142
CCB07	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/23/2024	16:00	LB132142
CCB08	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/23/2024	16:51	LB132142
CCB09	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/23/2024	18:31	LB132142
CCB10	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/23/2024	19:27	LB132142
CCB11	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/23/2024	20:51	LB132142

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/24/2024	10:53	LB132156

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/24/2024	11:50	LB132156
CCB02	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/24/2024	12:53	LB132156
CCB03	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/24/2024	13:48	LB132156
CCB04	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/24/2024	14:40	LB132156
CCB05	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/24/2024	15:29	LB132156

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/25/2024	19:22	LB132157

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/25/2024	19:48	LB132157
CCB02	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/25/2024	20:41	LB132157
CCB03	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/25/2024	21:37	LB132157
CCB04	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/25/2024	22:30	LB132157
CCB05	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/25/2024	23:33	LB132157
CCB06	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/26/2024	00:44	LB132157
CCB07	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/26/2024	01:35	LB132157
CCB08	Silver	10.0	+/-10.0	U	5.00	10.0	P	08/26/2024	02:11	LB132157

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB162725BL		**SOLID**		**Batch Number:**	**PB162725**		**Prep Date:**	**08/14/2024**	
	Silver	0.41	<0.41	U	0.41	P	08/23/2024	18:36	LB132142

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB162726BL		**WATER**		**Batch Number:**	**PB162726**		**Prep Date:**	**08/14/2024**	
	Silver	5.00	<5.00	U	5.00	P	08/24/2024	12:05	LB132156

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Metals
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INTERFERENCE CHECK SAMPLE

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Silver	2.10			-10	10	08/15/2024	12:42	LB132039
ICSAB01	Silver	221	201	110	170	232	08/15/2024	12:56	LB132039
ICSA01	Silver	2.05			-10	10	08/23/2024	10:09	LB132142
ICSAB01	Silver	229	201	114	170	232	08/23/2024	10:14	LB132142
ICSA01	Silver	2.05			-10	10	08/24/2024	11:08	LB132156
ICSAB01	Silver	230	201	114	170	232	08/24/2024	11:33	LB132156
ICSA01	Silver	3.22			-10	10	08/25/2024	19:36	LB132157
ICSAB01	Silver	231	201	115	170	232	08/25/2024	19:40	LB132157

METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** P3573

contract: JACO05 **lab code:** CHEM **case no.:** P3573 **sas no.:** P3573

matrix: Water **sample id:** P3596-01 **client id:** 918-J-WS-081324MS

Percent Solids for Sample: NA **Spiked ID:** P3596-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Silver	ug/L	75 - 125	34.7		5.00	U	37.5	92		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** P3573

contract: JACO05 **lab code:** CHEM **case no.:** P3573 **sas no.:** P3573

matrix: Water **sample id:** P3596-01 **client id:** 918-J-WS-081324MSD

Percent Solids for Sample: NA **Spiked ID:** P3596-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Silver	ug/L	75 - 125	36.7		5.00	U	37.5	98		P

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** P3573

contract: JACO05 **lab code:** CHEM **case no.:** P3573 **sas no.:** P3573

matrix: Solid **sample id:** P3600-06 **client id:** VCPS-B3-081324-10-18MS

Percent Solids for Sample: 80.3 **Spiked ID:** P3600-06MS **Percent Solids for Spike Sample:** 80.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Silver	mg/Kg	75 - 125	4.84		0.45	J	4.3	102		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** P3573

contract: JACO05 **lab code:** CHEM **case no.:** P3573 **sas no.:** P3573

matrix: Solid **sample id:** P3600-06 **client id:** VCPS-B3-081324-10-18MSD

Percent Solids for Sample: 80.3 **Spiked ID:** P3600-06MSD **Percent Solids for Spike Sample:** 80.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Silver	mg/Kg	75 - 125	4.75		0.45	J	4.3	100		P

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Metals
- 5b -

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Matrix: **Level:** LOW **Client ID:**

Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Matrix: Water **Sample ID:** P3596-01 **Client ID:** 918-J-WS-081324DUP

Percent Solids for Sample: NA **Duplicate ID** P3596-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Silver	ug/L	20	5.00	U	5.00	U			P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Matrix: Water **Sample ID:** P3596-01MS **Client ID:** 918-J-WS-081324MSD

Percent Solids for Sample: NA **Duplicate ID** P3596-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Silver	ug/L	20	34.7		36.7		6		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Matrix: Solid **Sample ID:** P3600-06 **Client ID:** VCPS-B3-081324-10-18DUP

Percent Solids for Sample: 80.3 **Duplicate ID** P3600-06DUP **Percent Solids for Spike Sample:** 80.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Silver	mg/Kg	20	0.45	J	0.58		24		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Matrix: Solid **Sample ID:** P3600-06MS **Client ID:** VCPS-B3-081324-10-18MSD

Percent Solids for Sample: 80.3 **Duplicate ID** P3600-06MSD **Percent Solids for Spike Sample:** 80.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Silver	mg/Kg	20	4.84		4.75		2		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB162725BS							
Silver	mg/Kg	3.1	3.05		98	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB162726BS							
Silver	ug/L	37.5	37.3		100	80 - 120	P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

918-J-WS-081324L

Lab Name: Chemtech Consulting Group **Contract:** JACO05

Lab Code: CHEM **Lb No.:** lb132039 **Lab Sample ID :** P3596-01L **SDG No.:** P3573

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Silver	5.00	U	25.0	U			P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

VCPS-B3-081324-10-18L

Lab Name: Chemtech Consulting Group **Contract:** JACO05

Lab Code: CHEM **Lb No.:** lb132157 **Lab Sample ID :** P3600-06L **SDG No.:** P3573

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Silver	0.45	J	0.50	J	11		P

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3573 **SAS No.:** P3573

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

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Fax : 908 789 8922

Metals
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SAMPLE PREPARATION SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Method:**

Case No.: P3573 **SAS No.:** P3573

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB162725**						
P3573-01	S-858-KI-SO-2-2.5-080924	SAM	SOLID	08/14/2024	2.49	100.0	82.50
P3573-02	S-859-KI-SO-2-2.5-080924	SAM	SOLID	08/14/2024	2.15	100.0	83.10
P3573-03	S-859-KI-SO-2-2.5-080924-FD	SAM	SOLID	08/14/2024	2.43	100.0	83.10
P3573-04	S-860-KI-SO-2-2.5-080924	SAM	SOLID	08/14/2024	2.08	100.0	84.20
P3600-06DUP	VCPS-B3-081324-10-18DUP	DUP	SOLID	08/14/2024	2.15	100.0	80.30
P3600-06MS	VCPS-B3-081324-10-18MS	MS	SOLID	08/14/2024	2.19	100.0	80.30
P3600-06MSD	VCPS-B3-081324-10-18MSD	MSD	SOLID	08/14/2024	2.19	100.0	80.30
PB162725BL	PB162725BL	MB	SOLID	08/14/2024	2.42	100.0	100.00
PB162725BS	PB162725BS	LCS	SOLID	08/14/2024	2.43	100.0	100.00

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Metals
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SAMPLE PREPARATION SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3573

Contract: JACO05 **Lab Code:** CHEM **Method:**

Case No.: P3573 **SAS No.:** P3573

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB162726**						
P3573-12	EB-01-080924	SAM	WATER	08/14/2024	50.0	25.0	
P3596-01DUP	918-J-WS-081324DUP	DUP	WATER	08/14/2024	50.0	25.0	
P3596-01MS	918-J-WS-081324MS	MS	WATER	08/14/2024	50.0	25.0	
P3596-01MSD	918-J-WS-081324MSD	MSD	WATER	08/14/2024	50.0	25.0	
PB162726BL	PB162726BL	MB	WATER	08/14/2024	50.0	25.0	
PB162726BS	PB162726BS	LCS	WATER	08/14/2024	50.0	25.0	

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metals
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ANALYSIS RUN LOG

Client: JACOBS Engineering Group, Inc. **Contract:** JACO05

Lab code: CHEM **Case no.:** P3573 **Sas no.:** P3573 **Sdg no.:** P3573

Instrument id number: **Method:** **Run number:** LB132039

Start date: 08/15/2024 **End date:** 08/15/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1123	Ag
S1	S1	1	1127	Ag
S2	S2	1	1132	Ag
S3	S3	1	1136	Ag
S4	S4	1	1140	Ag
S5	S5	1	1144	Ag
ICV01	ICV01	1	1224	Ag
LLICV01	LLICV01	1	1229	Ag
ICB01	ICB01	1	1233	Ag
CRI01	CRI01	1	1238	Ag
ICSA01	ICSA01	1	1242	Ag
ICSAB01	ICSAB01	1	1256	Ag
CCV01	CCV01	1	1316	Ag
CCB01	CCB01	1	1322	Ag
CCV02	CCV02	1	1410	Ag
CCB02	CCB02	1	1415	Ag
CCV03	CCV03	1	1501	Ag
CCB03	CCB03	1	1505	Ag
CCV04	CCV04	1	1523	Ag
CCB04	CCB04	1	1527	Ag
CCV05	CCV05	1	1623	Ag
CCB05	CCB05	1	1627	Ag
P3596-01DUP	918-J-WS-081324DUP	1	1653	Ag
P3596-01L	918-J-WS-081324L	5	1657	Ag
P3596-01MS	918-J-WS-081324MS	1	1702	Ag
P3596-01MSD	918-J-WS-081324MSD	1	1706	Ag
CCV06	CCV06	1	1714	Ag
CCB06	CCB06	1	1718	Ag
CCV07	CCV07	1	1811	Ag
CCB07	CCB07	1	1816	Ag
CCV08	CCV08	1	1903	Ag
CCB08	CCB08	1	1907	Ag
CCV09	CCV09	1	1935	Ag
CCB09	CCB09	1	1940	Ag

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metals
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ANALYSIS RUN LOG

Client: JACOBS Engineering Group, Inc. **Contract:** JACO05

Lab code: CHEM **Case no.:** P3573 **Sas no.:** P3573 **Sdg no.:** P3573

Instrument id number: **Method:** **Run number:** LB132142

Start date: 08/23/2024 **End date:** 08/23/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0927	Ag
S1	S1	1	0931	Ag
S2	S2	1	0936	Ag
S3	S3	1	0940	Ag
S4	S4	1	0944	Ag
S5	S5	1	0948	Ag
ICV01	ICV01	1	0952	Ag
LLICV01	LLICV01	1	0956	Ag
ICB01	ICB01	1	1001	Ag
CRI01	CRI01	1	1005	Ag
ICSA01	ICSA01	1	1009	Ag
ICSAB01	ICSAB01	1	1014	Ag
CCV01	CCV01	1	1022	Ag
CCB01	CCB01	1	1027	Ag
CCV02	CCV02	1	1119	Ag
CCB02	CCB02	1	1123	Ag
CCV03	CCV03	1	1211	Ag
CCB03	CCB03	1	1215	Ag
CCV04	CCV04	1	1316	Ag
CCB04	CCB04	1	1320	Ag
CCV05	CCV05	1	1408	Ag
CCB05	CCB05	1	1412	Ag
CCV06	CCV06	1	1459	Ag
CCB06	CCB06	1	1503	Ag
CCV07	CCV07	1	1556	Ag
CCB07	CCB07	1	1600	Ag
CCV08	CCV08	1	1647	Ag
CCB08	CCB08	1	1651	Ag
CCV09	CCV09	1	1827	Ag
CCB09	CCB09	1	1831	Ag
PB162725BL	PB162725BL	1	1836	Ag
PB162725BS	PB162725BS	1	1840	Ag
P3573-12	EB-01-080924	1	1849	Ag
CCV10	CCV10	1	1923	Ag
CCB10	CCB10	1	1927	Ag
P3573-01	S-858-KI-SO-2-2.5-080924	1	1956	Ag
P3573-02	S-859-KI-SO-2-2.5-080924	1	2000	Ag
P3573-03	S-859-KI-SO-2-2.5-080924-FD	1	2004	Ag
P3573-04	S-860-KI-SO-2-2.5-080924	1	2008	Ag
CCV11	CCV11	1	2047	Ag
CCB11	CCB11	1	2051	Ag

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ANALYSIS RUN LOG

Client: JACOBS Engineering Group, Inc. **Contract:** JACO05

Lab code: CHEM **Case no.:** P3573 **Sas no.:** P3573 **Sdg no.:** P3573

Instrument id number: **Method:** **Run number:** LB132156

Start date: 08/24/2024 **End date:** 08/24/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0957	Ag
S1	S1	1	1001	Ag
S2	S2	1	1005	Ag
S3	S3	1	1010	Ag
S4	S4	1	1014	Ag
S5	S5	1	1018	Ag
ICV01	ICV01	1	1027	Ag
LLICV01	LLICV01	1	1049	Ag
ICB01	ICB01	1	1053	Ag
CRI01	CRI01	1	1104	Ag
ICSA01	ICSA01	1	1108	Ag
ICSAB01	ICSAB01	1	1133	Ag
CCV01	CCV01	1	1146	Ag
CCB01	CCB01	1	1150	Ag
PB162726BL	PB162726BL	1	1205	Ag
PB162726BS	PB162726BS	1	1209	Ag
CCV02	CCV02	1	1249	Ag
CCB02	CCB02	1	1253	Ag
CCV03	CCV03	1	1344	Ag
CCB03	CCB03	1	1348	Ag
CCV04	CCV04	1	1436	Ag
CCB04	CCB04	1	1440	Ag
CCV05	CCV05	1	1525	Ag
CCB05	CCB05	1	1529	Ag

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metals
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ANALYSIS RUN LOG

Client: JACOBS Engineering Group, Inc. **Contract:** JACO05

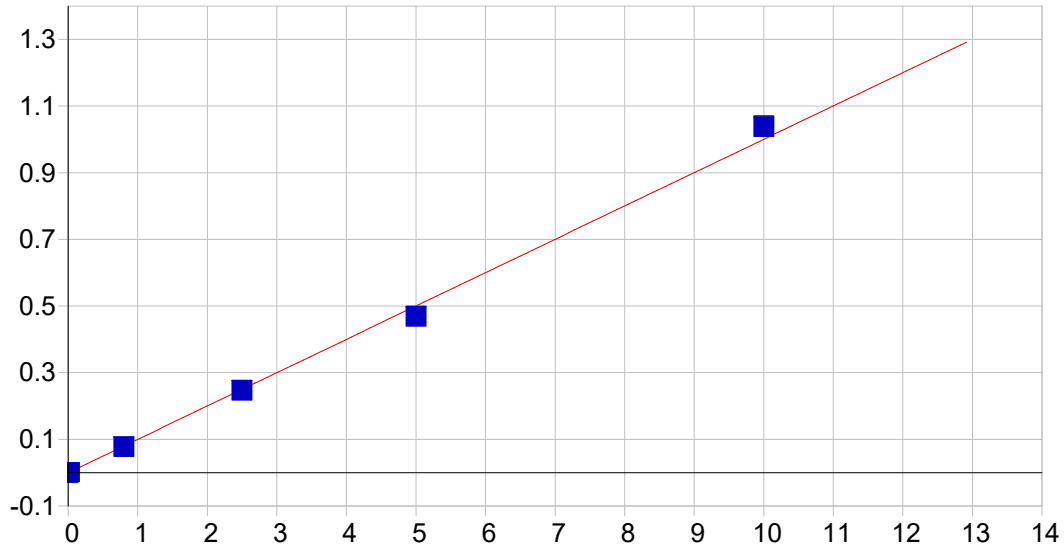
Lab code: CHEM **Case no.:** P3573 **Sas no.:** P3573 **Sdg no.:** P3573

Instrument id number: **Method:** **Run number:** LB132157

Start date: 08/25/2024 **End date:** 08/26/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1822	Ag
S1	S1	1	1826	Ag
S2	S2	1	1831	Ag
S3	S3	1	1835	Ag
S4	S4	1	1839	Ag
S5	S5	1	1843	Ag
ICV01	ICV01	1	1847	Ag
LLICV01	LLICV01	1	1917	Ag
ICB01	ICB01	1	1922	Ag
CRI01	CRI01	1	1926	Ag
ICSA01	ICSA01	1	1936	Ag
ICSAB01	ICSAB01	1	1940	Ag
CCV01	CCV01	1	1944	Ag
CCB01	CCB01	1	1948	Ag
P3600-06DUP	VCPS-B3-081324-10-18DUP	1	2033	Ag
CCV02	CCV02	1	2037	Ag
CCB02	CCB02	1	2041	Ag
P3600-06L	VCPS-B3-081324-10-18L	5	2046	Ag
P3600-06MS	VCPS-B3-081324-10-18MS	1	2050	Ag
P3600-06MSD	VCPS-B3-081324-10-18MSD	1	2054	Ag
CCV03	CCV03	1	2128	Ag
CCB03	CCB03	1	2137	Ag
CCV04	CCV04	1	2226	Ag
CCB04	CCB04	1	2230	Ag
CCV05	CCV05	1	2328	Ag
CCB05	CCB05	1	2333	Ag
CCV06	CCV06	1	0039	Ag
CCB06	CCB06	1	0044	Ag
CCV07	CCV07	1	0131	Ag
CCB07	CCB07	1	0135	Ag
CCV08	CCV08	1	0207	Ag
CCB08	CCB08	1	0211	Ag

METAL
RAW DATA

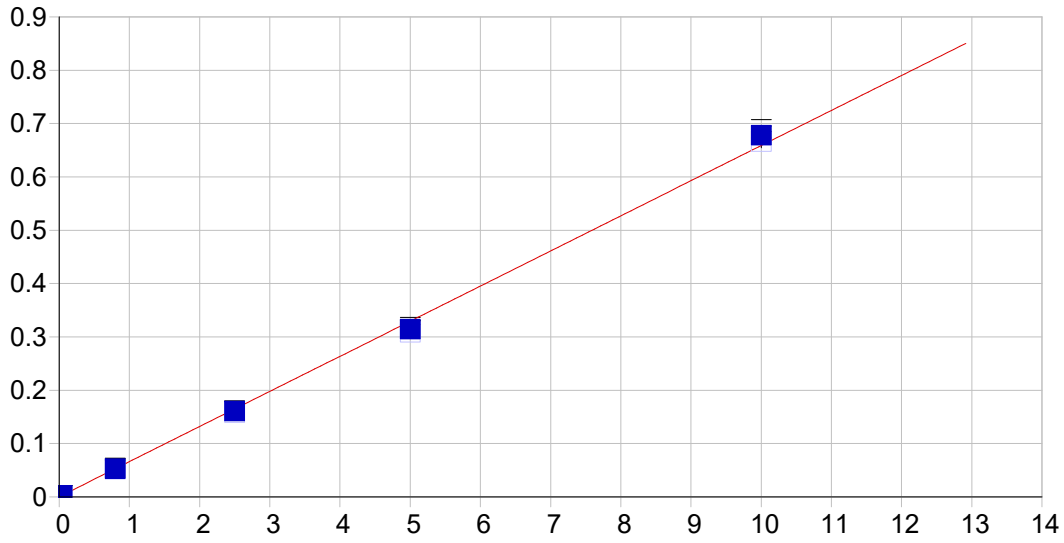


As 189.042 {479}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000096	Re-Slope:	1.000000
A1 (Gain):	0.100054	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999028	Status:	OK.
Std Error of Est:	0.000103		
Predicted MDL:	0.001621		
Predicted MQL:	0.005402		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00010	.000	1
S1	.02000	.01916	-.001	-4.22	.00181	.000	1
S3	2.5000	2.4651	-.035	-1.40	.24627	.001	1
S4	5.0000	4.6831	-.317	-6.34	.46792	.001	1
S5	10.000	10.377	.377	3.77	1.0371	.002	1
S2	.80000	.77560	-.024	-3.05	.07742	.000	1

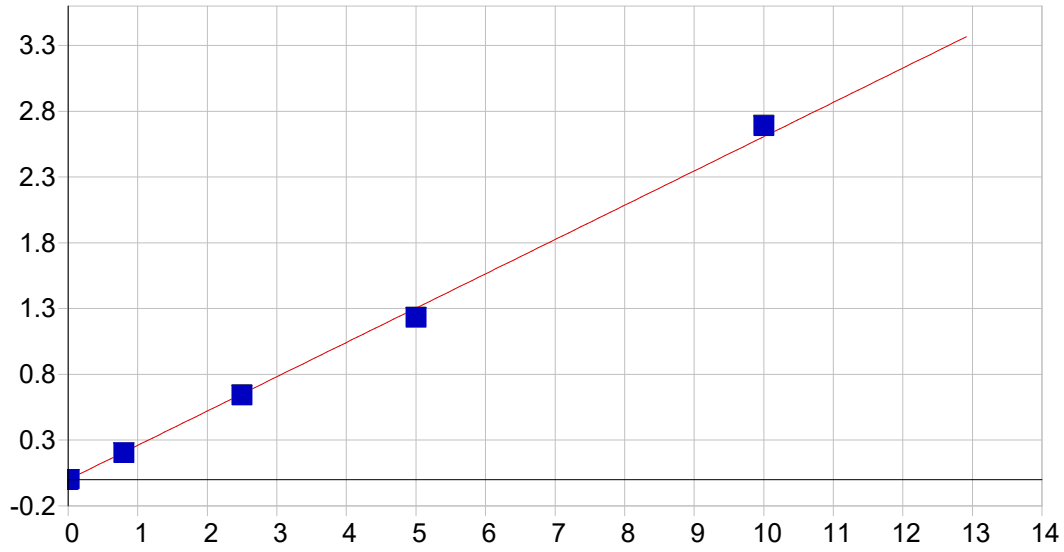


Tl 190.856 {477}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000267	Re-Slope:	1.000000
A1 (Gain):	0.065841	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999432	Status:	OK.
Std Error of Est:	0.000072		
Predicted MDL:	0.001458		
Predicted MQL:	0.004861		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00027	.000	1
S1	.04000	.03819	-.002	-4.51	.00261	.000	1
S3	2.5000	2.4414	-.059	-2.34	.15798	.001	1
S4	5.0000	4.7754	-.225	-4.49	.30862	.004	1
S5	10.000	10.291	.291	2.91	.66573	.011	1
S2	.80000	.79354	-.006	-.808	.05154	.001	1

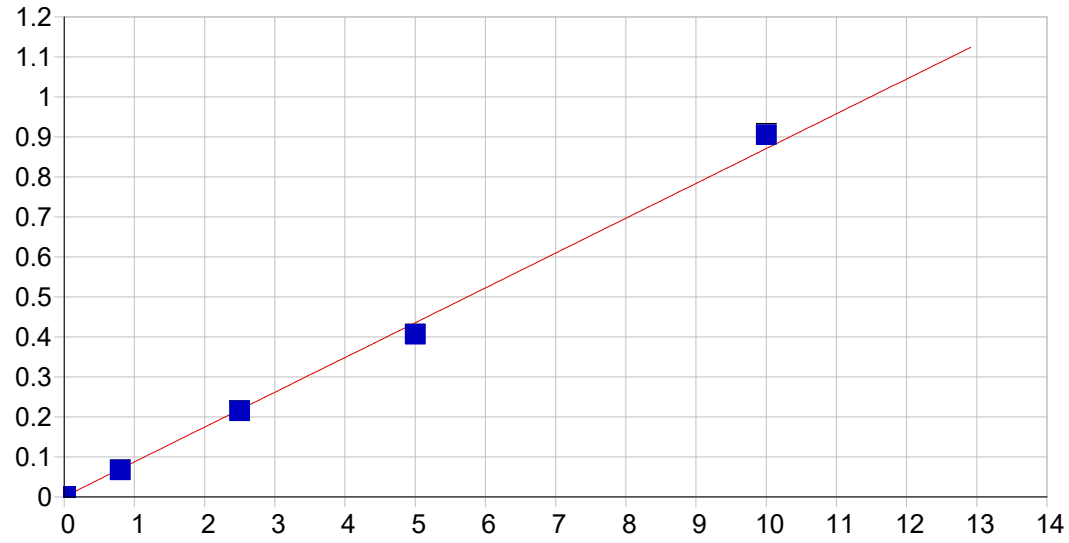


Pb 220.353 {453}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000177	Re-Slope:	1.000000
A1 (Gain):	0.260731	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999272	Status:	OK.
Std Error of Est:	0.000180		
Predicted MDL:	0.001020		
Predicted MQL:	0.003399		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00018	.000	1
S1	.01200	.01457	.003	21.4	.00356	.000	1
S3	2.5000	2.4629	-.037	-1.48	.64131	.002	1
S4	5.0000	4.7270	-.273	-5.46	1.2309	.003	1
S5	10.000	10.322	.322	3.22	2.6884	.005	1
S2	.80000	.78547	-.015	-1.82	.20440	.000	1

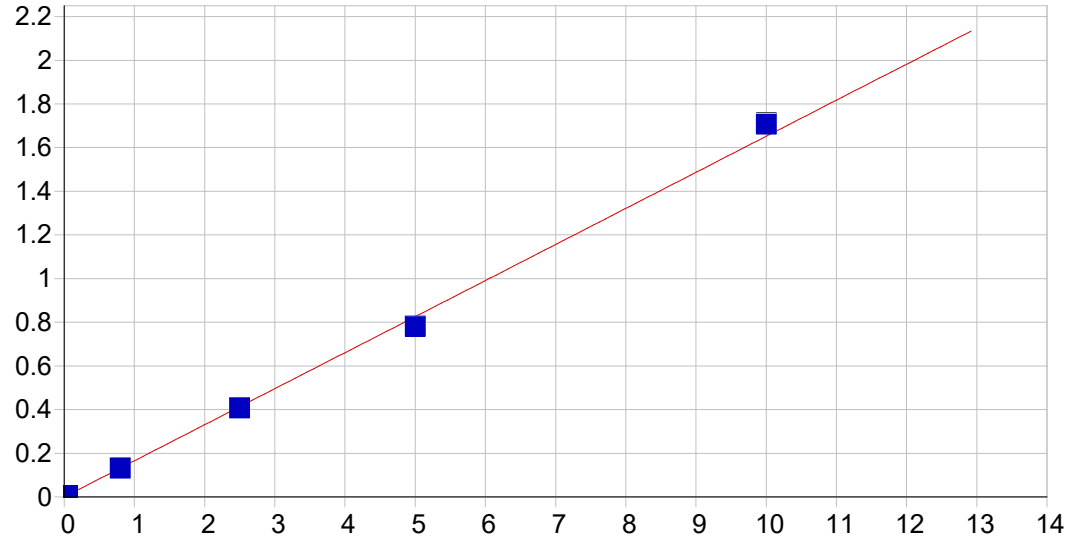


Se 196.090 {472}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000458	Re-Slope:	1.000000
A1 (Gain):	0.087013	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998889	Status:	OK.
Std Error of Est:	0.000096		
Predicted MDL:	0.002114		
Predicted MQL:	0.007046		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00046	.000	1
S1	.02000	.01857	-.001	-7.14	.00207	.000	1
S3	2.5000	2.4638	-.036	-1.45	.21478	.001	1
S4	5.0000	4.6648	-.335	-6.70	.40625	.001	1
S5	10.000	10.405	.405	4.05	.90559	.003	1
S2	.80000	.76805	-.032	-3.99	.06727	.000	1

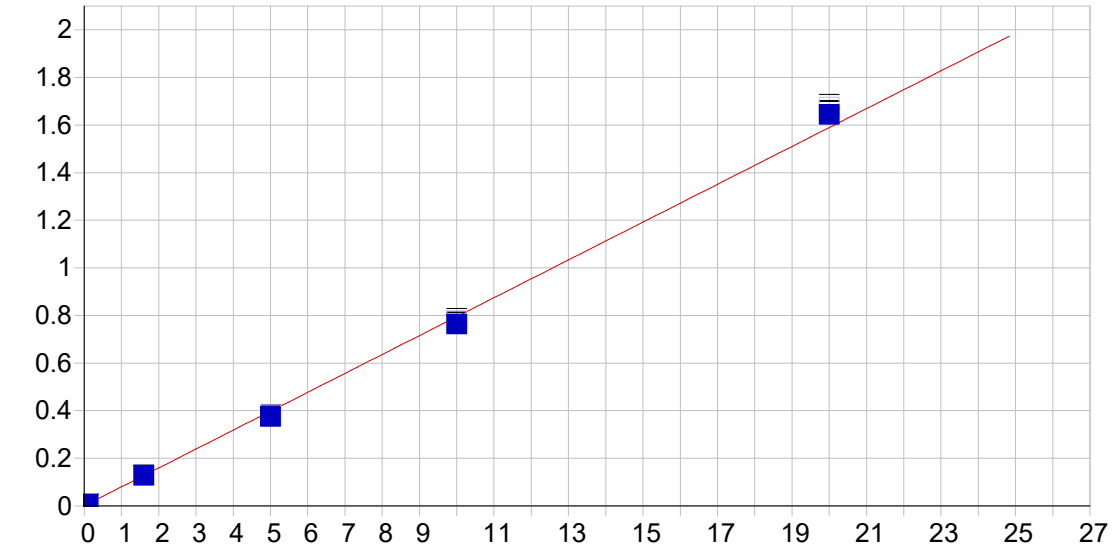


Sb 206.833 {463}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000197	Re-Slope:	1.000000
A1 (Gain):	0.165155	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999254	Status:	OK.
Std Error of Est:	0.000237		
Predicted MDL:	0.001387		
Predicted MQL:	0.004623		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00020	.000	1
S1	.05000	.05066	.001	1.32	.00858	.000	1
S3	2.5000	2.4614	-.039	-1.55	.40783	.001	1
S4	5.0000	4.7163	-.284	-5.67	.78136	.001	1
S5	10.000	10.329	.329	3.29	1.7105	.003	1
S2	.80000	.79301	-.007	-.873	.13153	.000	1

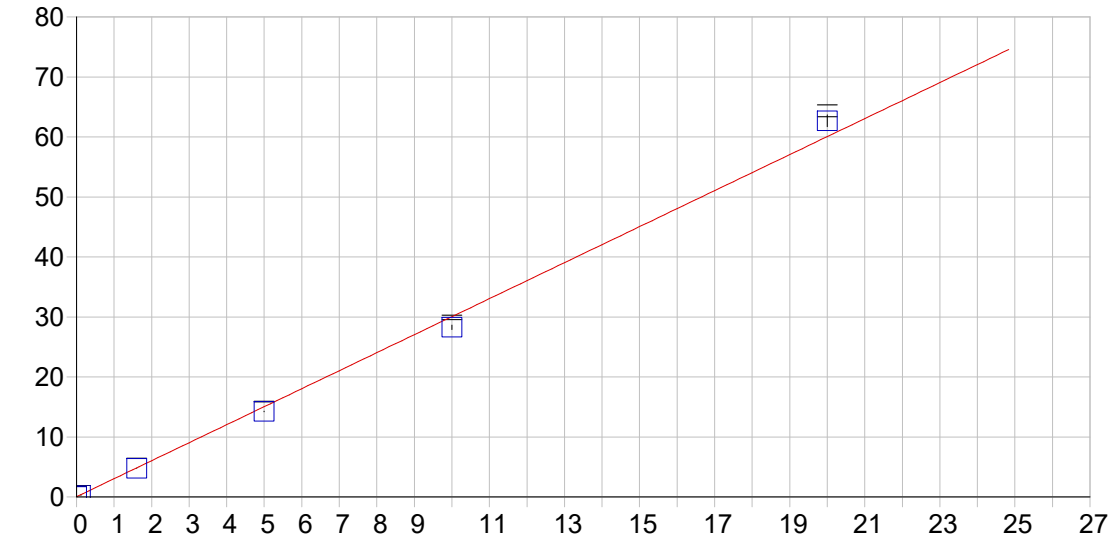


Al 396.152 { 85}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000579	Re-Slope:	1.000000
A1 (Gain):	0.079456	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999277	Status:	OK.
Std Error of Est:	0.000229		
Predicted MDL:	0.008077		
Predicted MQL:	0.026925		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00058	.000	1
S1	.10000	.10095	.001	.954	.00922	.000	1
S3	5.0000	4.7146	-.285	-5.71	.38289	.002	1
S4	10.000	9.6024	-.398	-3.98	.77896	.009	1
S5	20.000	20.680	.680	3.40	1.6745	.013	1
S2	1.6000	1.6020	.002	.123	.13033	.001	1

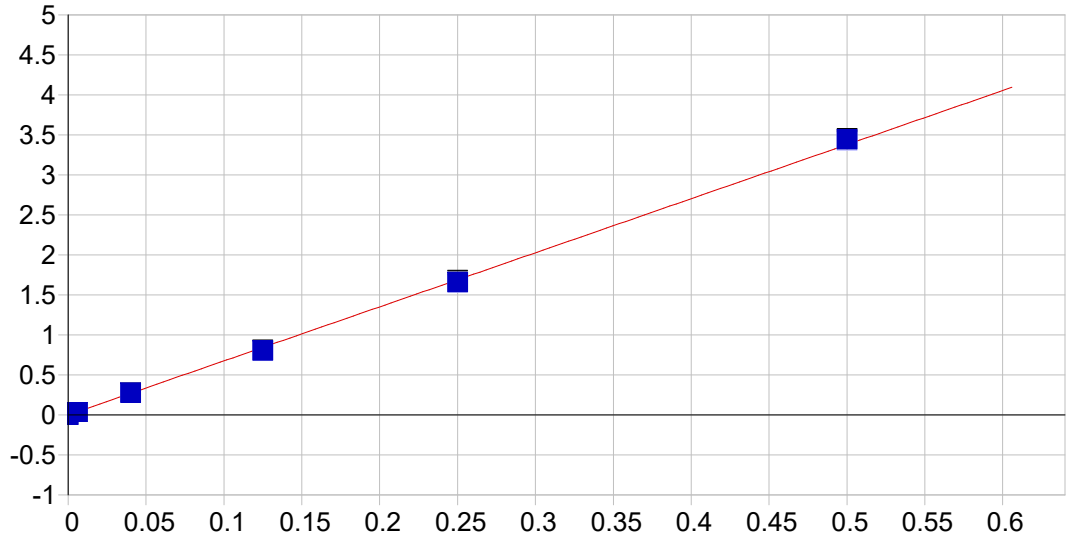


Ba 493.409 { 68}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.034062	Re-Slope:	1.000000
A1 (Gain):	3.000827	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998814	Status:	OK.
Std Error of Est:	0.010848		
Predicted MDL:	0.000606		
Predicted MQL:	0.002020		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.03409	.001	1
S1	.10000	.09748	-.003	-2.52	.32659	.002	1
S3	5.0000	4.7359	-.264	-5.28	14.246	.050	1
S4	10.000	9.4125	-.588	-5.88	28.279	.369	1
S5	20.000	20.876	.876	4.38	62.680	.982	1
S2	1.6000	1.5779	-.022	-1.38	4.7691	.023	1

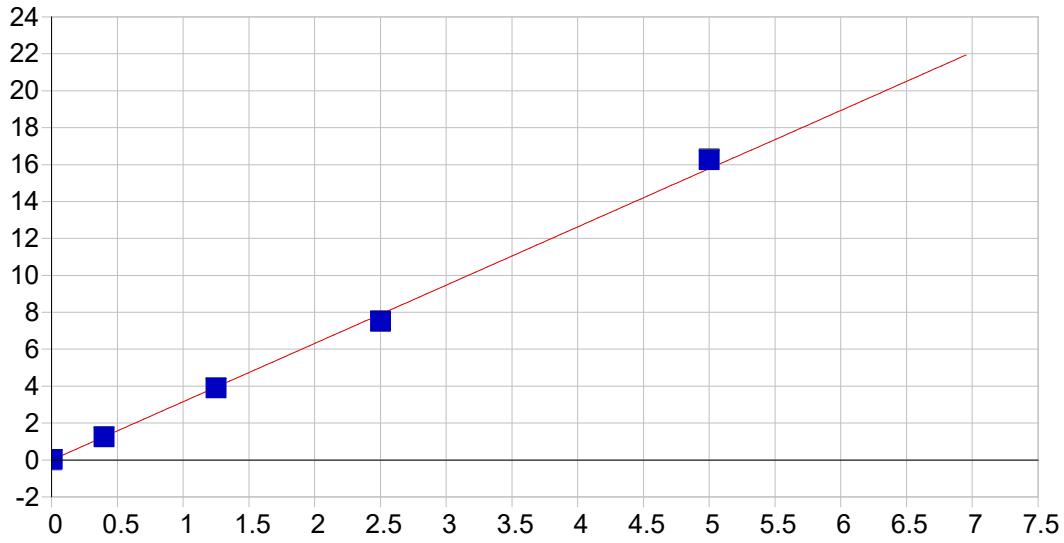


Be 234.861 {144}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000670	Re-Slope:	1.000000
A1 (Gain):	6.758020	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999693	Status:	OK.
Std Error of Est:	0.000480		
Predicted MDL:	0.000040		
Predicted MQL:	0.000133		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00067	.000	1
S1	.00600	.00570	-.000	-5.01	.03755	.000	1
S3	.12500	.11924	-.006	-4.60	.80140	.007	1
S4	.25000	.24560	-.004	-1.76	1.6515	.023	1
S5	.50000	.50948	.009	1.90	3.4273	.013	1
S2	.04000	.04097	.001	2.43	.27500	.001	1

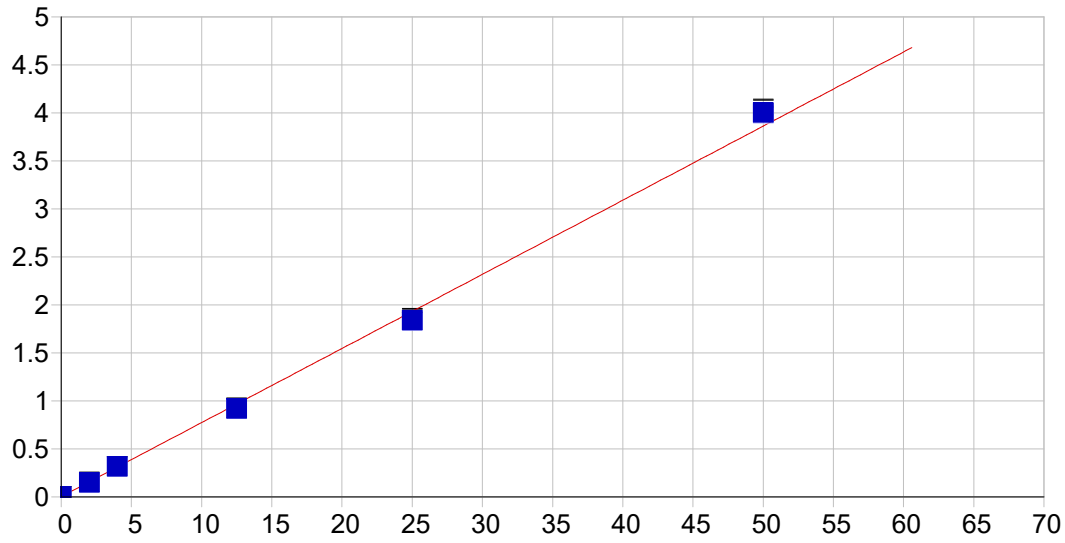


Cd 226.502 {449}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000076	Re-Slope:	1.000000
A1 (Gain):	3.155897	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999408	Status:	OK.
Std Error of Est:	0.000986		
Predicted MDL:	0.000068		
Predicted MQL:	0.000226		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00008	.000	1
S1	.00600	.00616	.000	2.71	.01944	.000	1
S3	1.2500	1.2325	-.018	-1.40	3.8922	.006	1
S4	2.5000	2.3770	-.123	-4.92	7.5070	.023	1
S5	5.0000	5.1484	.148	2.97	16.258	.037	1
S2	.40000	.39196	-.008	-2.01	1.2378	.002	1

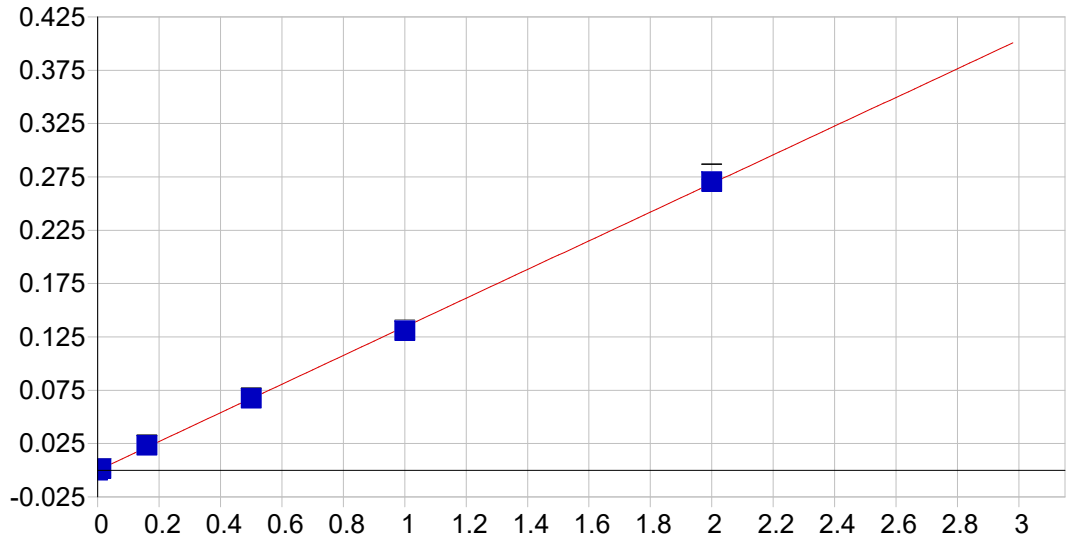


Ca 373.690 { 90}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002341	Re-Slope:	1.000000
A1 (Gain):	0.077200	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999153	Status:	OK.
Std Error of Est:	0.001678		
Predicted MDL:	0.007467		
Predicted MQL:	0.024891		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00016	.000	.000	.00235	.000	1
S2	4.0000	4.0665	.067	1.66	.31541	.002	1
S3	12.500	11.877	-.623	-4.99	.91649	.006	1
S4	25.000	23.813	-1.19	-4.75	1.8352	.019	1
S5	50.000	51.820	1.82	3.64	3.9919	.037	1
S1	2.0000	1.9243	-.076	-3.79	.15079	.001	1

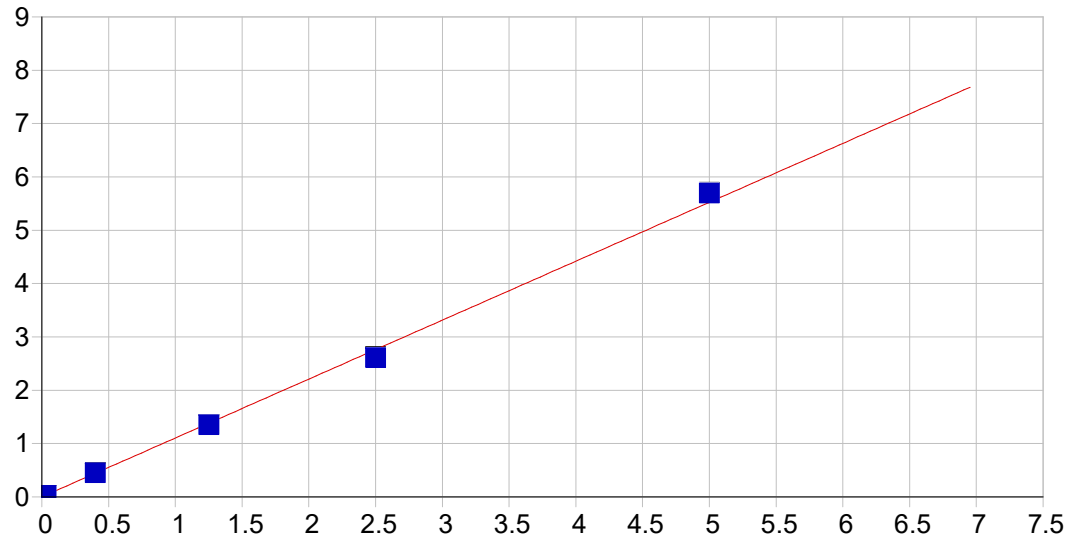


Cr 267.716 {126}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000012	Re-Slope:	1.000000
A1 (Gain):	0.134431	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999750	Status:	OK.
Std Error of Est:	0.000022		
Predicted MDL:	0.000297		
Predicted MQL:	0.000991		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00001	.000	1
S1	.01000	.01067	.001	6.73	.00145	.000	1
S3	.50000	.50121	.001	.241	.06741	.000	1
S4	1.0000	.97301	-.027	-2.70	.13085	.000	1
S5	2.0000	2.0126	.013	.629	.27064	.007	1
S2	.16000	.17254	.013	7.84	.02321	.000	1

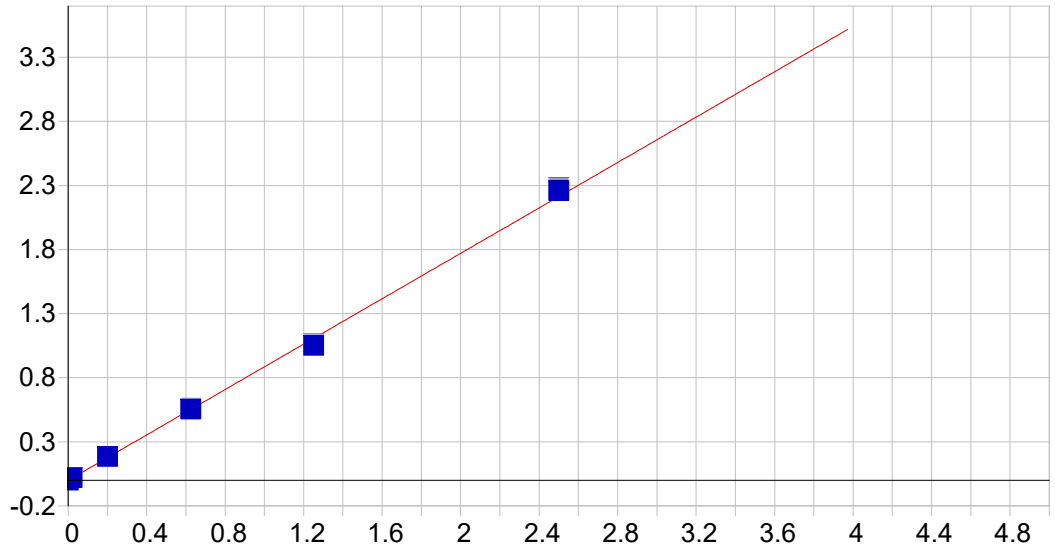


Co 228.616 {448}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000124	Re-Slope:	1.000000
A1 (Gain):	1.104743	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999310	Status:	OK.
Std Error of Est:	0.000836		
Predicted MDL:	0.000175		
Predicted MQL:	0.000584		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00012	.000	1
S1	.03000	.03029	.000	.972	.03345	.000	1
S3	1.2500	1.2238	-.026	-2.10	1.3545	.003	1
S4	2.5000	2.3649	-.135	-5.40	2.6174	.008	1
S5	5.0000	5.1545	.155	3.09	5.7039	.011	1
S2	.40000	.40645	.006	1.61	.44990	.001	1

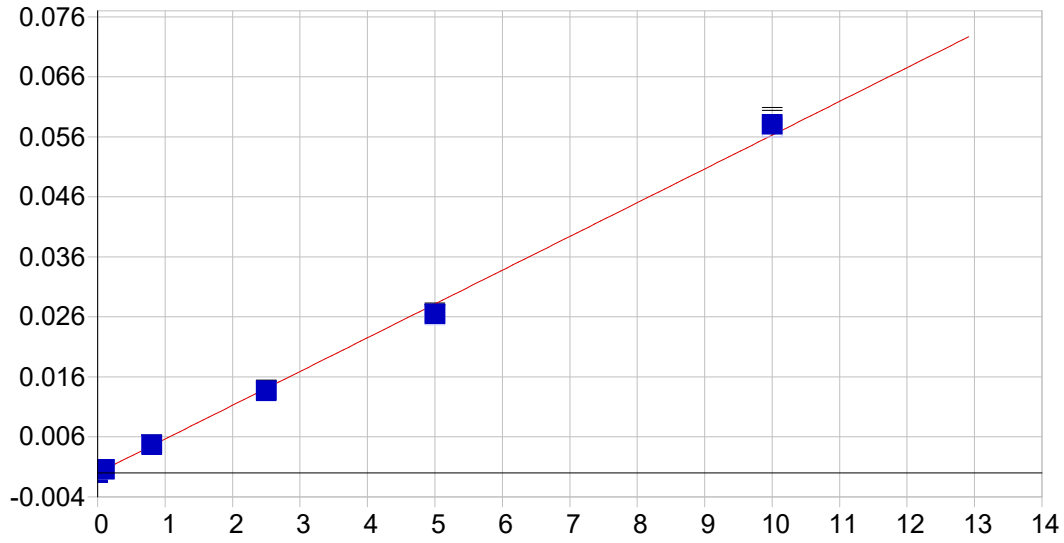


Cu 224.700 {450}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000222	Re-Slope:	1.000000
A1 (Gain):	0.885557	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999485	Status:	OK.
Std Error of Est:	0.000337		
Predicted MDL:	0.000365		
Predicted MQL:	0.001216		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00022	.000	1
S1	.02000	.02258	.003	12.9	.01998	.000	1
S3	.62500	.62560	.001	.096	.55862	.002	1
S4	1.2500	1.1876	-.062	-4.99	1.0611	.003	1
S5	2.5000	2.5511	.051	2.04	2.2782	.003	1
S2	.20000	.20811	.008	4.06	.18562	.000	1

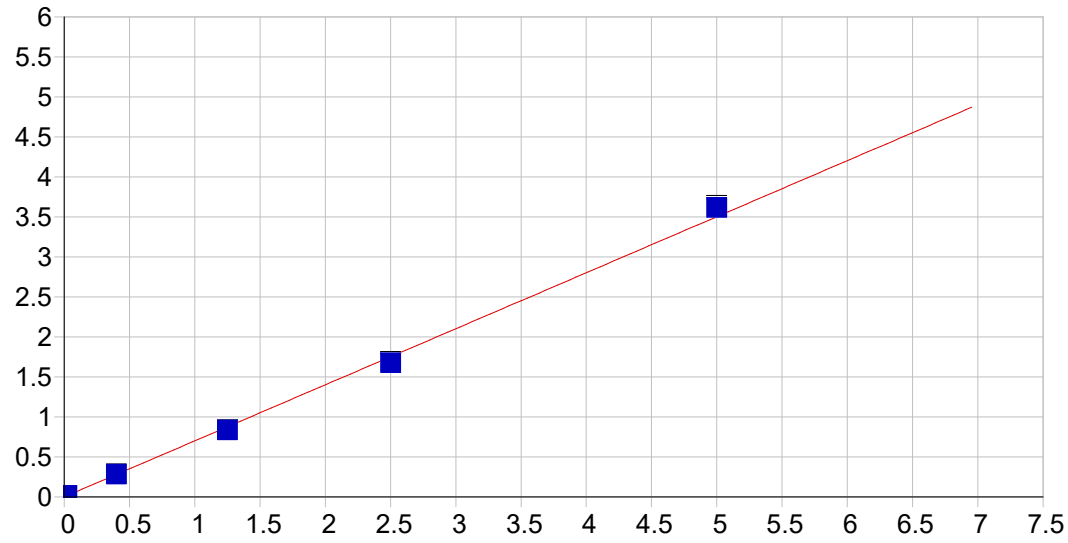


Fe 240.488 {140}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000012	Re-Slope:	1.000000
A1 (Gain):	0.005627	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999180	Status:	OK.
Std Error of Est:	0.000012		
Predicted MDL:	0.003552		
Predicted MQL:	0.011839		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00001	.000	1
S1	.10000	.10195	.002	1.95	.00058	.000	1
S3	2.5000	2.4366	-.063	-2.54	.01360	.000	1
S4	5.0000	4.7118	-.288	-5.76	.02628	.000	1
S5	10.000	10.313	.313	3.13	.05756	.001	1
S2	.80000	.83612	.036	4.51	.00468	.000	1

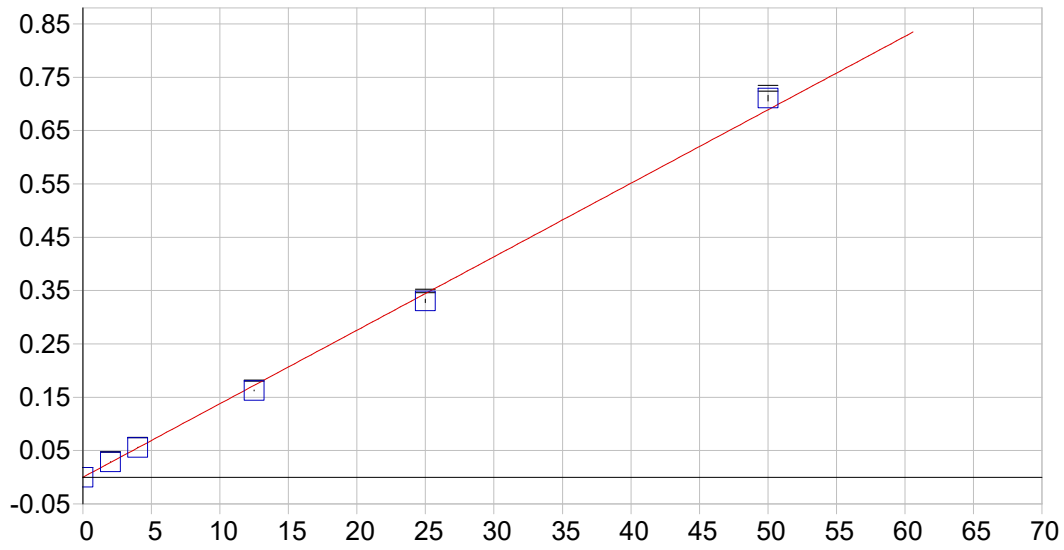


Mn 257.610 {131}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000321	Re-Slope:	1.000000
A1 (Gain):	0.700451	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999287	Status:	OK.
Std Error of Est:	0.000439		
Predicted MDL:	0.000286		
Predicted MQL:	0.000954		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00032	.000	1
S1	.02000	.01953	-.000	-2.33	.01401	.000	1
S3	1.2500	1.1907	-.059	-4.75	.83441	.005	1
S4	2.5000	2.3901	-.110	-4.40	1.6746	.018	1
S5	5.0000	5.1634	.163	3.27	3.6174	.027	1
S2	.40000	.40637	.006	1.59	.28499	.001	1

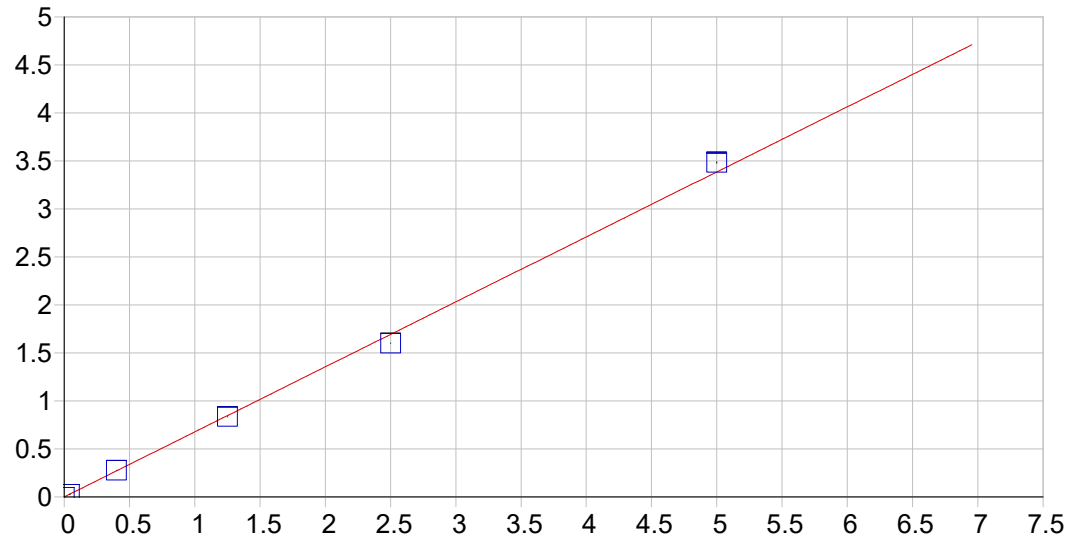


Mg 279.079 {121}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000062	Re-Slope:	1.000000
A1 (Gain):	0.013777	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999282	Status:	OK.
Std Error of Est:	0.000276		
Predicted MDL:	0.016390		
Predicted MQL:	0.054634		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00003	.000	.000	.00006	.000	1
S2	4.0000	4.0522	.052	1.31	.05589	.000	1
S3	12.500	11.790	-.710	-5.68	.16249	.001	1
S4	25.000	23.998	-1.00	-4.01	.33069	.003	1
S5	50.000	51.583	1.58	3.17	.71074	.006	1
S1	2.0000	2.0766	.077	3.83	.02867	.000	1

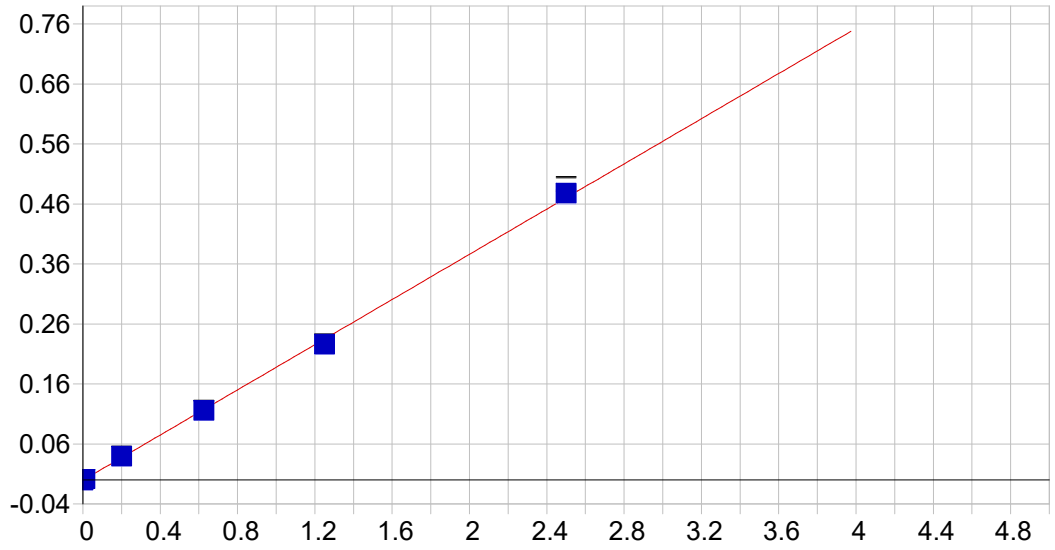


Ni 231.604 {446}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000102	Re-Slope:	1.000000
A1 (Gain):	0.677168	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999359	Status:	OK.
Std Error of Est:	0.000569		
Predicted MDL:	0.000281		
Predicted MQL:	0.000937		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00010	.000	1
S1	.04000	.04048	.000	1.20	.02751	.000	1
S3	1.2500	1.2333	-.017	-1.33	.83527	.000	1
S4	2.5000	2.3650	-.135	-5.40	1.6016	.003	1
S5	5.0000	5.1438	.144	2.88	3.4833	.007	1
S2	.40000	.40743	.007	1.86	.27600	.000	1

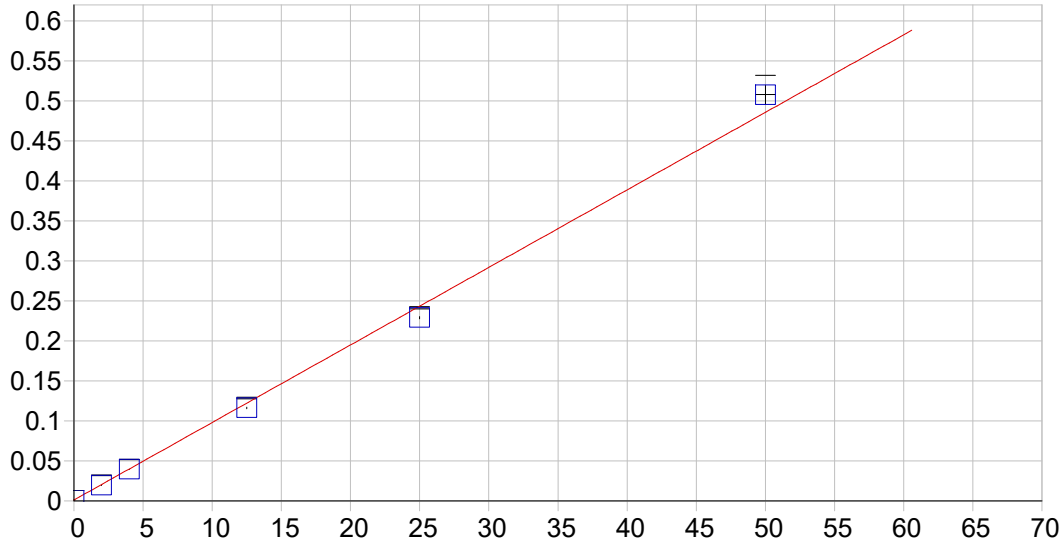


Ag 328.068 {103}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000598	Re-Slope:	1.000000
A1 (Gain):	0.188341	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999627	Status:	OK.
Std Error of Est:	0.000042		
Predicted MDL:	0.000346		
Predicted MQL:	0.001153		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00060	.000	1
S1	.01000	.01171	.002	17.1	.00160	.000	1
S3	.62500	.61739	-.008	-1.22	.11523	.001	1
S4	1.2500	1.2042	-.046	-3.66	.22530	.000	1
S5	2.5000	2.5399	.040	1.59	.47595	.011	1
S2	.20000	.21180	.012	5.90	.03915	.000	1

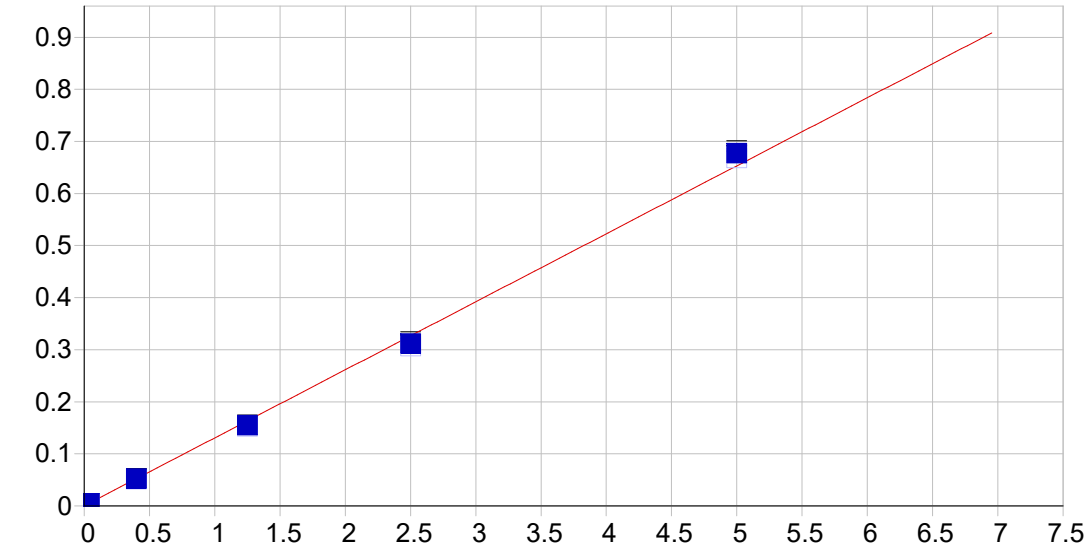


Na 589.592 { 57}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001135	Re-Slope:	1.000000
A1 (Gain):	0.009691	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998790	Status:	OK.
Std Error of Est:	0.000252		
Predicted MDL:	0.011418		
Predicted MQL:	0.038060		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00025	.000	.000	.00114	.000	1
S2	4.0000	3.9618	-.038	-.956	.03953	.000	1
S3	12.500	11.874	-.626	-5.01	.11621	.001	1
S4	25.000	23.514	-1.49	-5.94	.22901	.001	1
S5	50.000	52.252	2.25	4.50	.50752	.012	1
S1	2.0000	1.8986	-.101	-5.07	.01953	.000	1

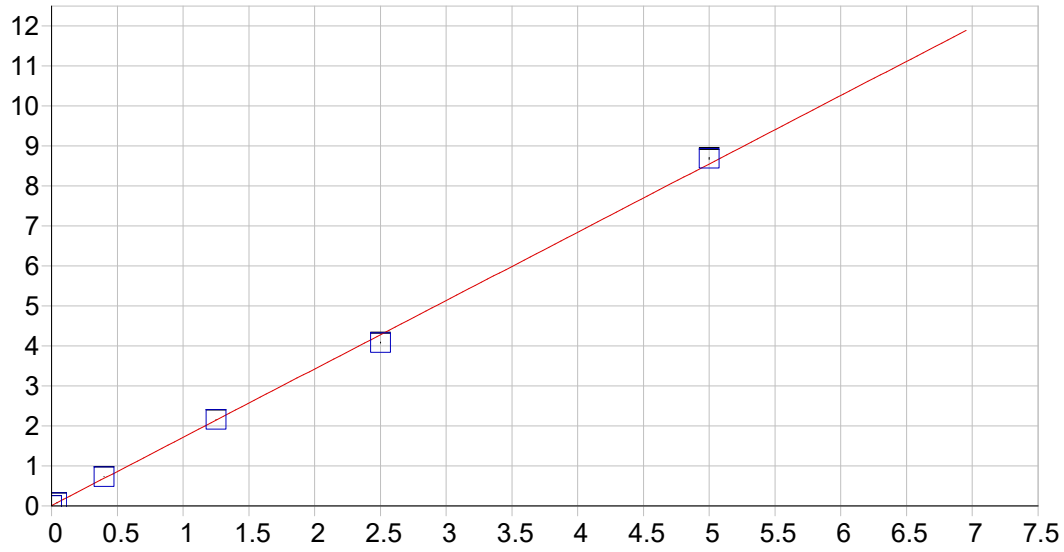


V 292.402 {115}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000094	Re-Slope:	1.000000
A1 (Gain):	0.130634	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999123	Status:	OK.
Std Error of Est:	0.000127		
Predicted MDL:	0.002015		
Predicted MQL:	0.006716		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00009	.000	1
S1	.04000	.04024	.000	.589	.00515	.000	1
S3	1.2500	1.1839	-.066	-5.29	.15237	.001	1
S4	2.5000	2.3843	-.116	-4.63	.30681	.004	1
S5	5.0000	5.1844	.184	3.69	.66783	.005	1
S2	.40000	.39712	-.003	-.720	.05121	.000	1

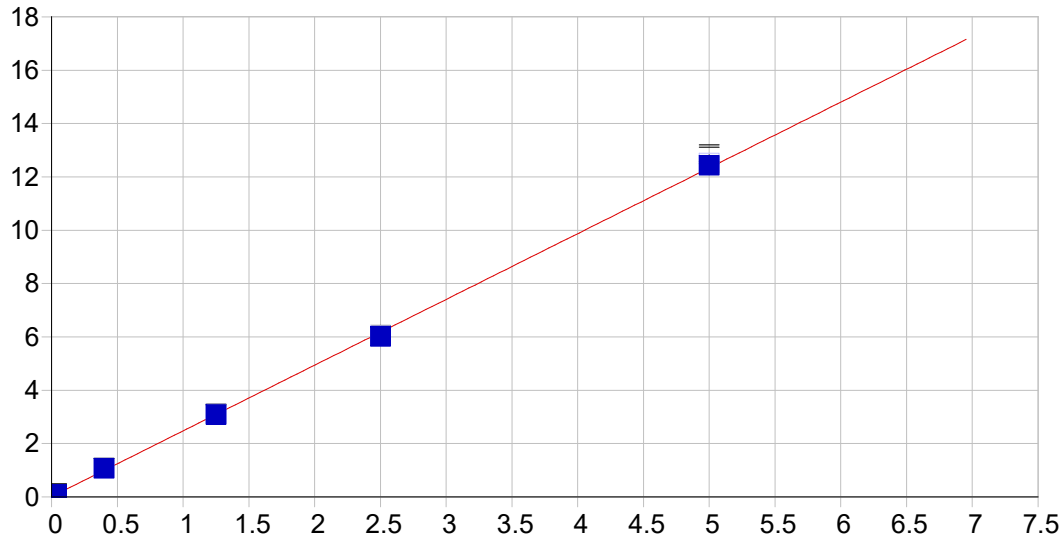


Zn 206.200 {464}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.006546	Re-Slope:	1.000000
A1 (Gain):	1.709355	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999547	Status:	OK.
Std Error of Est:	0.001208		
Predicted MDL:	0.000131		
Predicted MQL:	0.000438		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00654	.000	1
S1	.04000	.04288	.003	7.19	.07984	.000	1
S3	1.2500	1.2592	.009	.739	2.1590	.004	1
S4	2.5000	2.3843	-.116	-4.63	4.0821	.012	1
S5	5.0000	5.0798	.080	1.60	8.6897	.026	1
S2	.40000	.42383	.024	5.96	.73102	.001	1

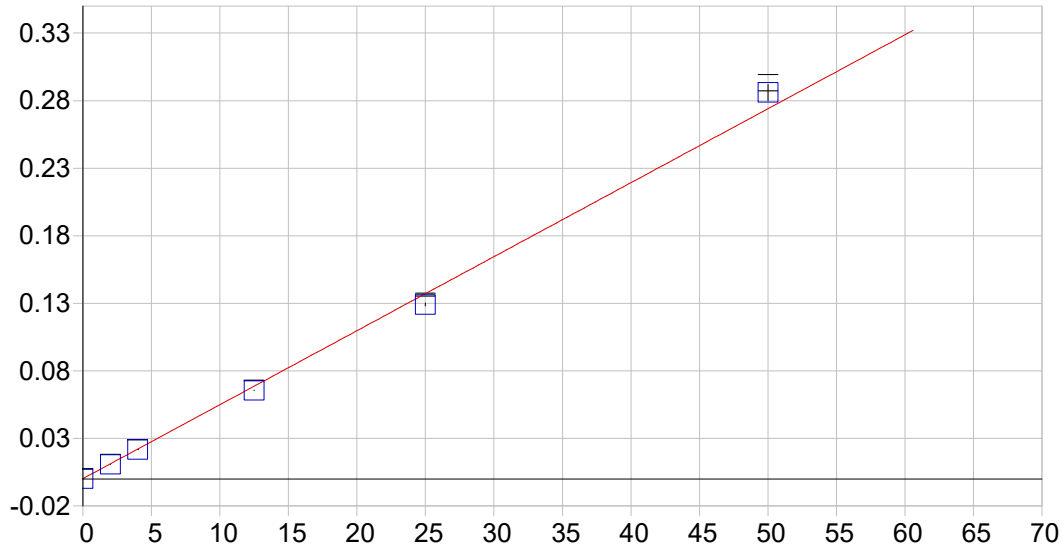


Zn 213.856 {158}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.009626	Re-Slope:	1.000000
A1 (Gain):	2.465594	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999773	Status:	OK.
Std Error of Est:	0.001241		
Predicted MDL:	0.000179		
Predicted MQL:	0.000595		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00962	.000	1
S1	.04000	.04179	.002	4.48	.11335	.001	1
S3	1.2500	1.2470	-.003	-.244	3.1055	.007	1
S4	2.5000	2.4339	-.066	-2.64	6.0535	.006	1
S5	5.0000	5.0384	.038	.768	12.518	.314	1
S2	.40000	.42895	.029	7.24	1.0741	.005	1

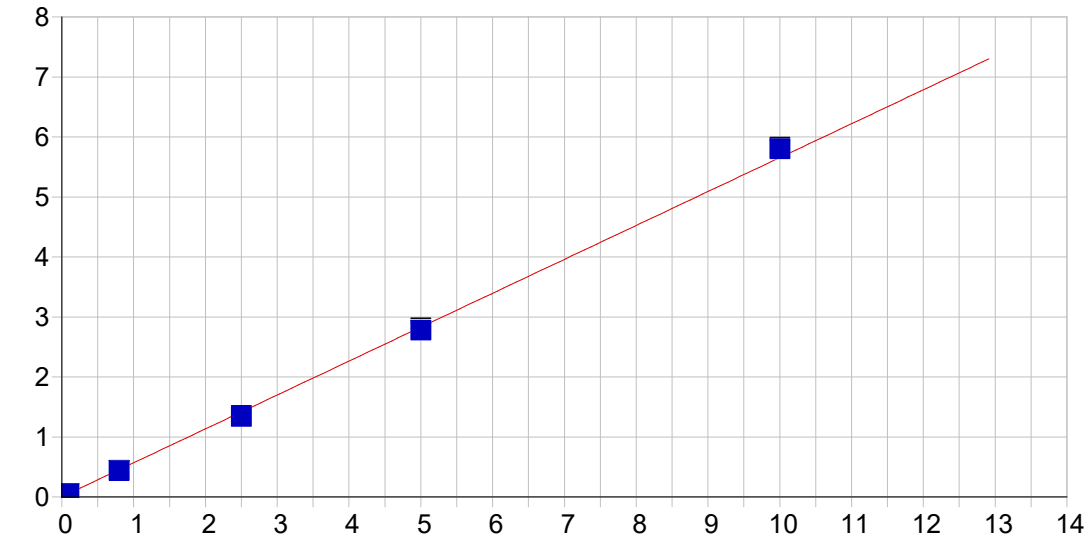


K 766.490 { 44}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000185	Re-Slope:	1.000000
A1 (Gain):	0.005476	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998868	Status:	OK.
Std Error of Est:	0.000138		
Predicted MDL:	0.027016		
Predicted MQL:	0.090052		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00023	.000	.000	.00019	.000	1
S2	4.0000	3.9358	-.064	-1.61	.02174	.000	1
S3	12.500	11.931	-.569	-4.55	.06552	.000	1
S4	25.000	23.530	-1.47	-5.88	.12904	.001	1
S5	50.000	52.184	2.18	4.37	.28596	.006	1
S1	2.0000	1.9189	-.081	-4.06	.01069	.000	1

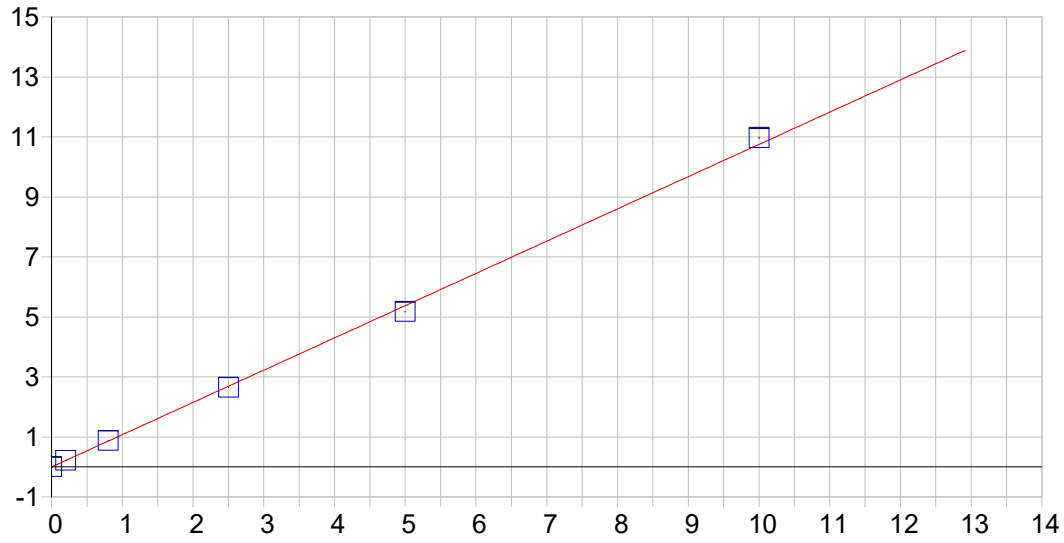


B 249.678 {135}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.003047	Re-Slope:	1.000000
A1 (Gain):	0.565168	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999498	Status:	OK.
Std Error of Est:	0.000939		
Predicted MDL:	0.000572		
Predicted MQL:	0.001908		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00306	.000	1
S1	.10000	.08696	-.013	-13.0	.05195	.000	1
S3	2.5000	2.3664	-.134	-5.35	1.3377	.013	1
S4	5.0000	4.9093	-.091	-1.81	2.7721	.040	1
S5	10.000	10.264	.264	2.64	5.7931	.023	1
S2	.80000	.77288	-.027	-3.39	.43897	.001	1

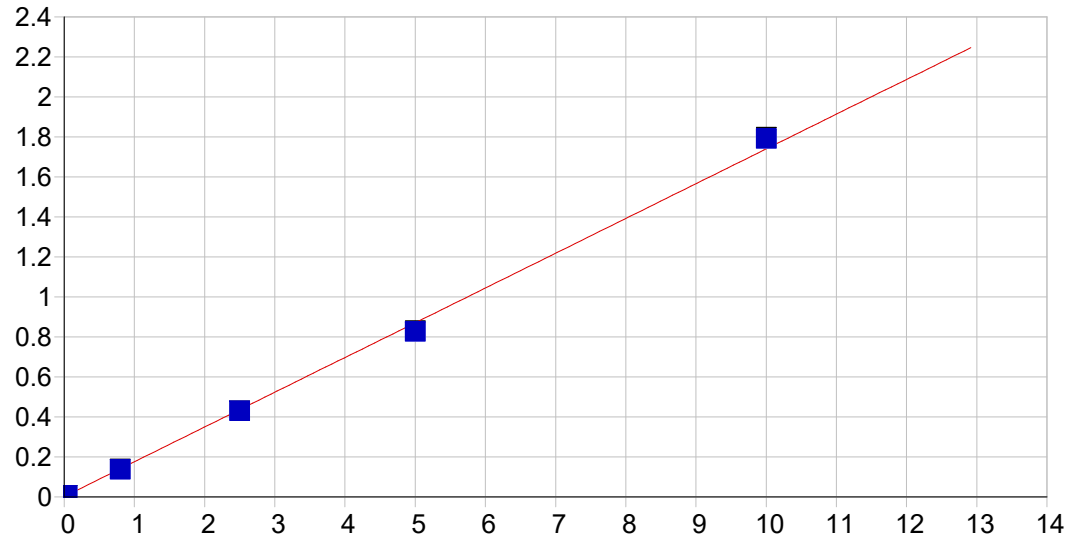


Mo 202.030 {467}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000303	Re-Slope:	1.000000
A1 (Gain):	1.075114	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999683	Status:	OK.
Std Error of Est:	0.002015		
Predicted MDL:	0.000214		
Predicted MQL:	0.000714		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00030	.000	1
S1	.20000	.20237	.002	1.18	.21727	.001	1
S3	2.5000	2.4675	-.033	-1.30	2.6525	.005	1
S4	5.0000	4.8138	-.186	-3.72	5.1751	.015	1
S5	10.000	10.200	.200	2.00	10.966	.020	1
S2	.80000	.81670	.017	2.09	.87774	.004	1

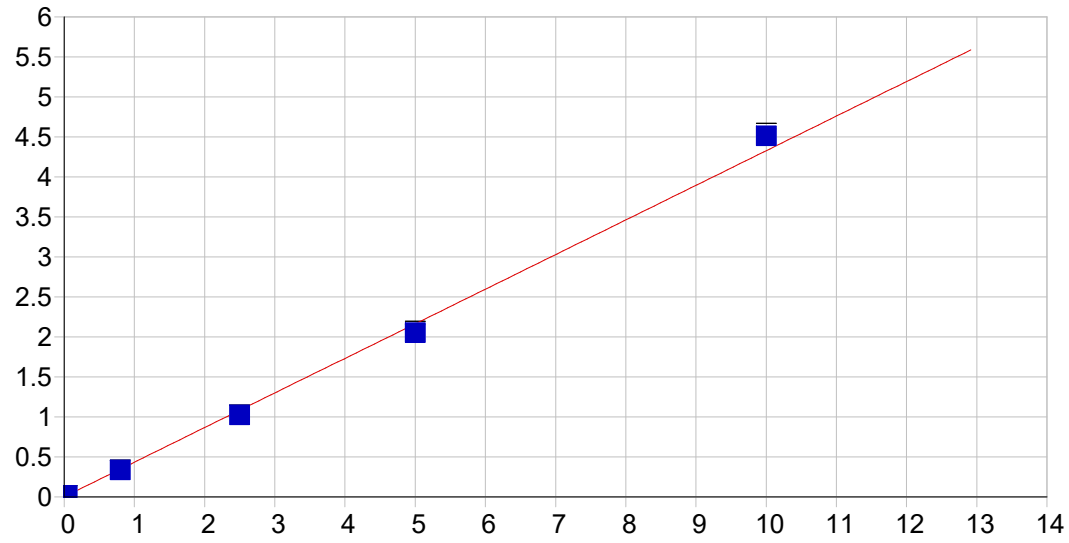


Sn 189.989 {478}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001817	Re-Slope:	1.000000
A1 (Gain):	0.173793	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999372	Status:	OK.
Std Error of Est:	0.000204		
Predicted MDL:	0.000559		
Predicted MQL:	0.001865		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00182	.000	1
S1	.04000	.03971	-.000	-.724	.00871	.000	1
S3	2.5000	2.4646	-.035	-1.42	.42970	.001	1
S4	5.0000	4.7465	-.254	-5.07	.82583	.003	1
S5	10.000	10.305	.305	3.05	1.7910	.006	1
S2	.80000	.78400	-.016	-2.00	.13793	.000	1

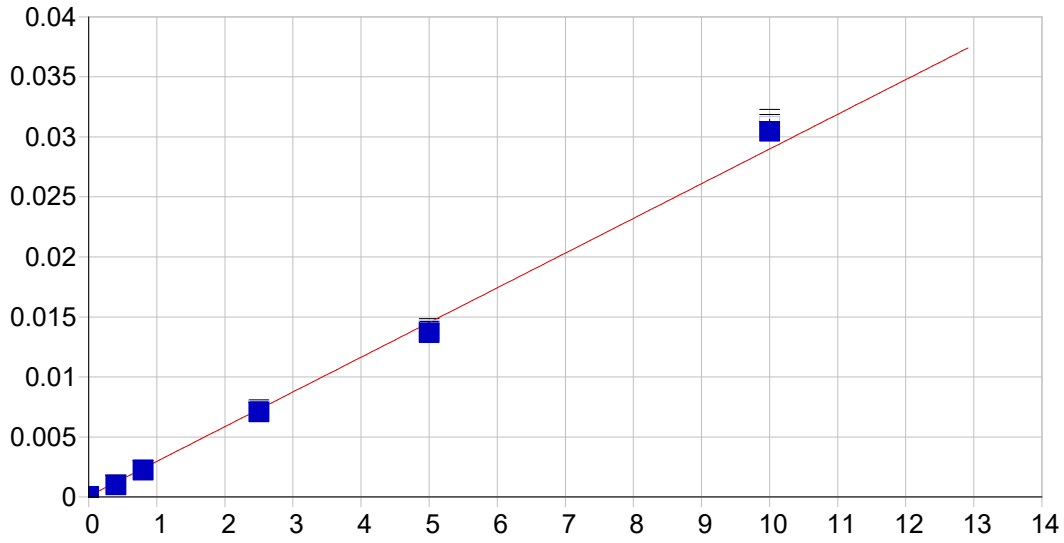


Ti 336.121 {100}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001632	Re-Slope:	1.000000
A1 (Gain):	0.432511	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998891	Status:	OK.
Std Error of Est:	0.000676		
Predicted MDL:	0.000866		
Predicted MQL:	0.002888		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00164	.000	1
S1	.04000	.03741	-.003	-6.48	.01780	.000	1
S3	2.5000	2.3608	-.139	-5.57	1.0223	.006	1
S4	5.0000	4.7408	-.259	-5.18	2.0513	.021	1
S5	10.000	10.429	.429	4.29	4.5106	.035	1
S2	.80000	.77225	-.028	-3.47	.33551	.002	1

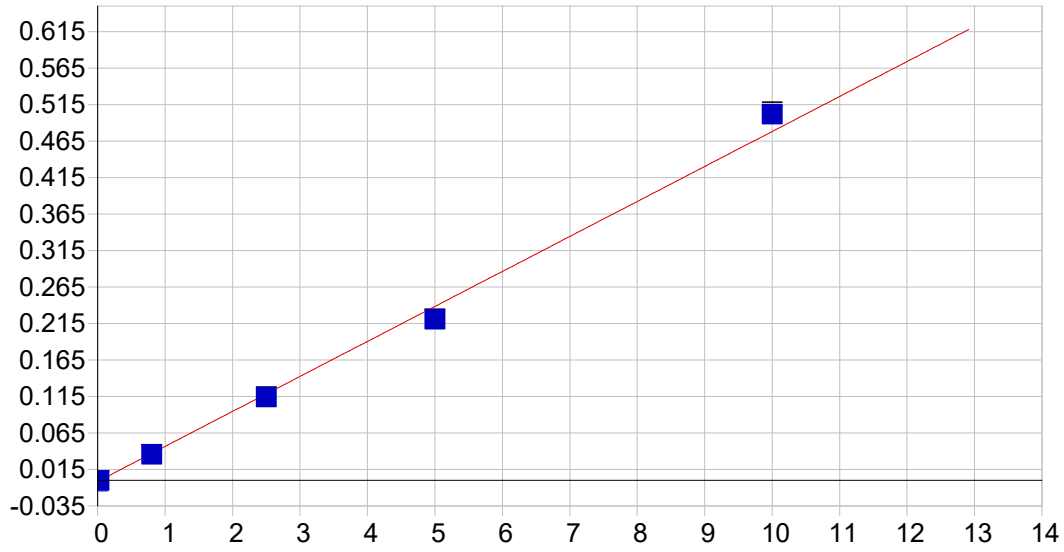


Si 288.158 {117}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000068	Re-Slope:	1.000000
A1 (Gain):	0.002892	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998318	Status:	OK.
Std Error of Est:	0.000018		
Predicted MDL:	0.009116		
Predicted MQL:	0.030386		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00012	.000	.000	.00007	.000	1
S1	.40000	.32164	-.078	-19.6	.00100	.000	1
S3	2.5000	2.4233	-.077	-3.07	.00719	.000	1
S4	5.0000	4.7091	-.291	-5.82	.01391	.000	1
S5	10.000	10.506	.506	5.06	.03089	.001	1
S2	.80000	.73909	-.061	-7.61	.00224	.000	1

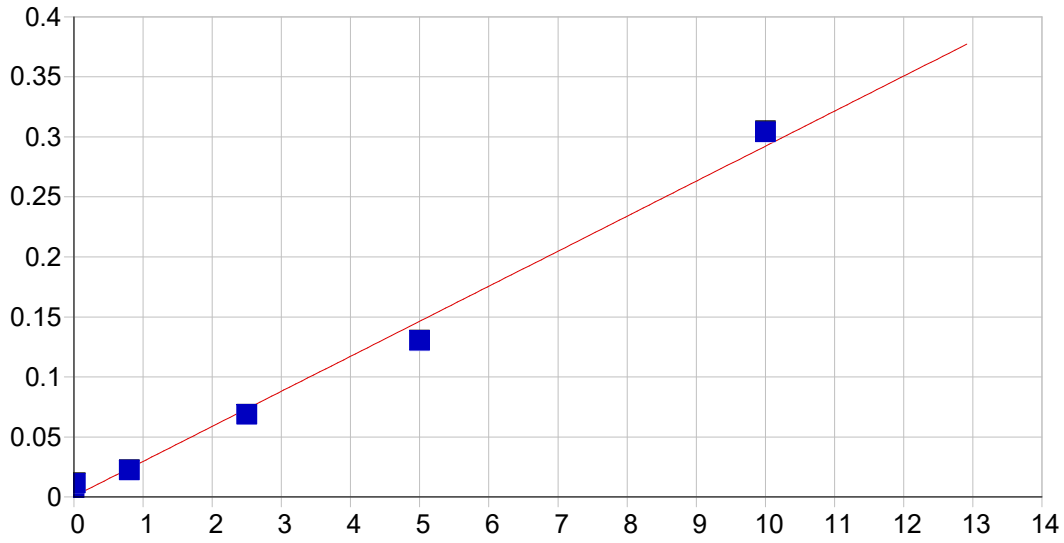


P 177.495 {490}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001439	Re-Slope:	1.000000
A1 (Gain):	0.047956	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998477	Status:	OK.
Std Error of Est:	0.000062		
Predicted MDL:	0.001830		
Predicted MQL:	0.006100		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00144	.000	1
S1	.02000	.01976	-.000	-1.20	-.00049	.000	1
S3	2.5000	2.4092	-.091	-3.63	.11408	.000	1
S4	5.0000	4.6313	-.369	-7.37	.22062	.000	1
S5	10.000	10.491	.491	4.91	.50161	.003	1
S2	.80000	.76832	-.032	-3.96	.03540	.000	1

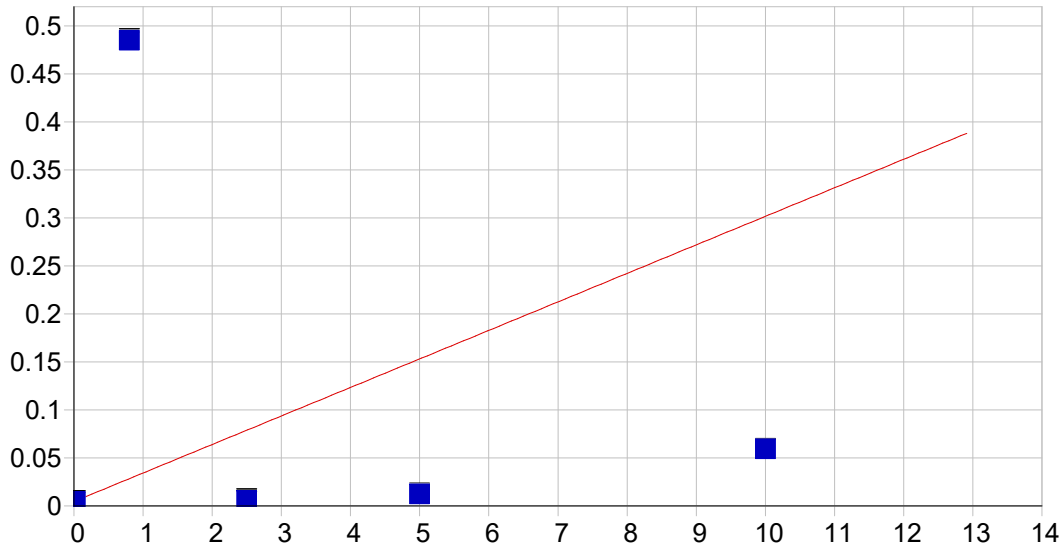


S 182.034 {485}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000428	Re-Slope:	1.000000
A1 (Gain):	0.029186	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.856574	Status:	OK.
Std Error of Est:	0.000411		
Predicted MDL:	0.002704		
Predicted MQL:	0.009014		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00036	-.000	.000	.00042	.000	1
S1	.02000	.38100	.361	1810.	.01152	.000	1
S3	2.5000	2.3387	-.161	-6.45	.06849	.000	1
S4	5.0000	4.4514	-.549	-11.0	.12997	.000	1
S5	10.000	10.414	.414	4.14	.30360	.001	1
S2	.80000	.74947	-.051	-6.32	.02224	.000	1

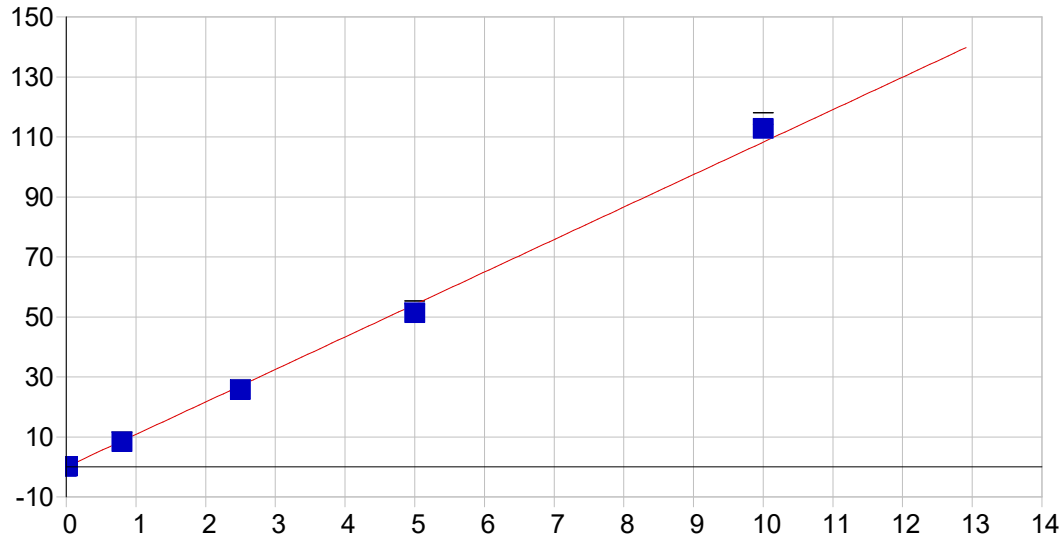


Li 670.784 { 50}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.004600	Re-Slope:	1.000000
A1 (Gain):	0.029702	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.236754	Status:	OK.
Std Error of Est:	0.002859		
Predicted MDL:	0.044459		
Predicted MQL:	0.148197		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00031	-.000	.000	.00459	.001	1
S5	10.000	1.8382	-8.16	-81.6	.05947	.001	1
S4	5.0000	.26307	-4.74	-94.7	.01255	.001	1
S3	2.5000	.04647	-2.45	-98.1	.00605	.001	1
S1	.02000	-.00238	-.022	-112.	.00454	.001	1
S2	.80000	16.175	15.4	1920.	.48505	.002	1

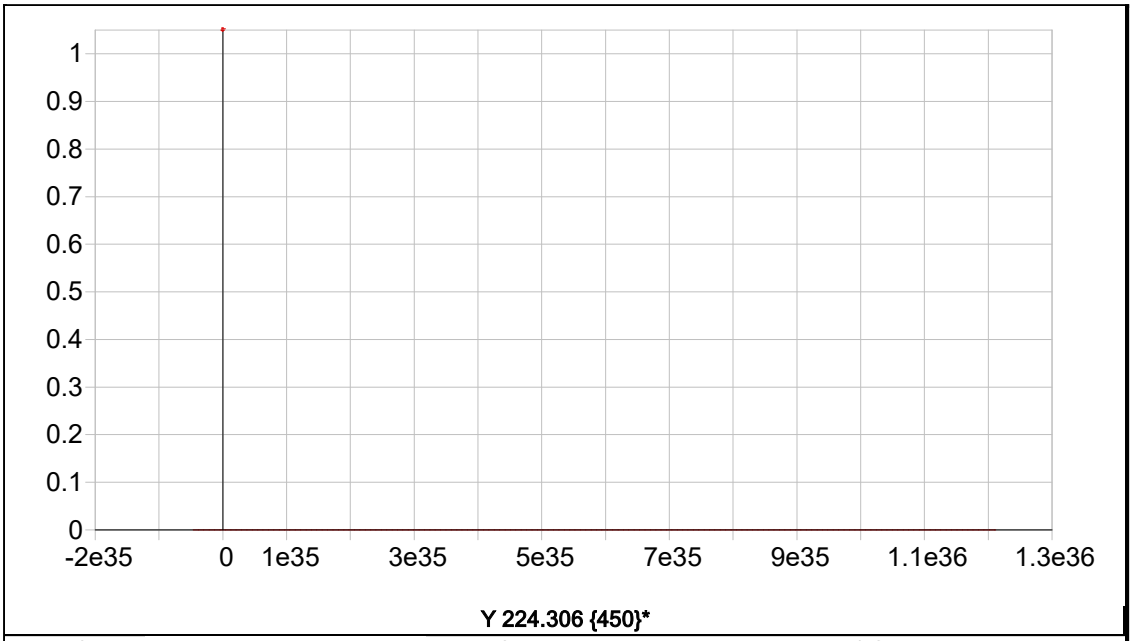


Sr 407.771 { 83}

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000159	Re-Slope:	1.000000
A1 (Gain):	10.825500	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998969	Status:	OK.
Std Error of Est:	0.011541		
Predicted MDL:	0.000059		
Predicted MQL:	0.000196		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00019	.000	1
S1	.02000	.01886	-.001	-5.68	.20544	.001	1
S3	2.5000	2.3740	-.126	-5.04	25.727	.143	1
S4	5.0000	4.7442	-.256	-5.12	51.413	.617	1
S5	10.000	10.414	.414	4.14	112.85	1.90	1
S2	.80000	.76848	-.032	-3.94	8.3280	.035	1

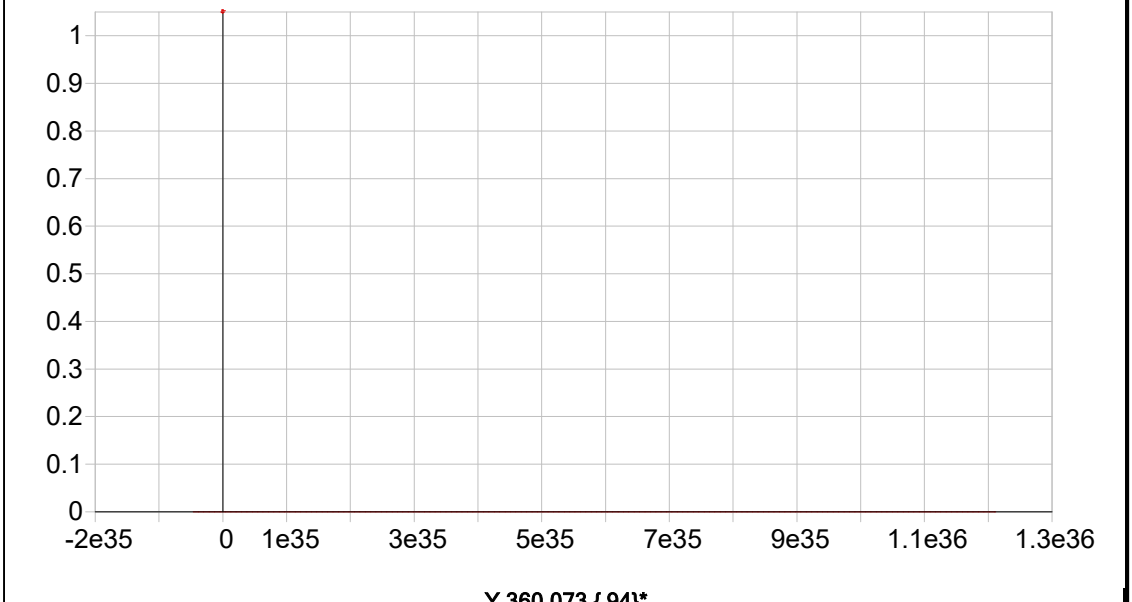


Y 224.306 {450}*

Date of Fit:	8/15/2024 12:00:33	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	0.000000		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



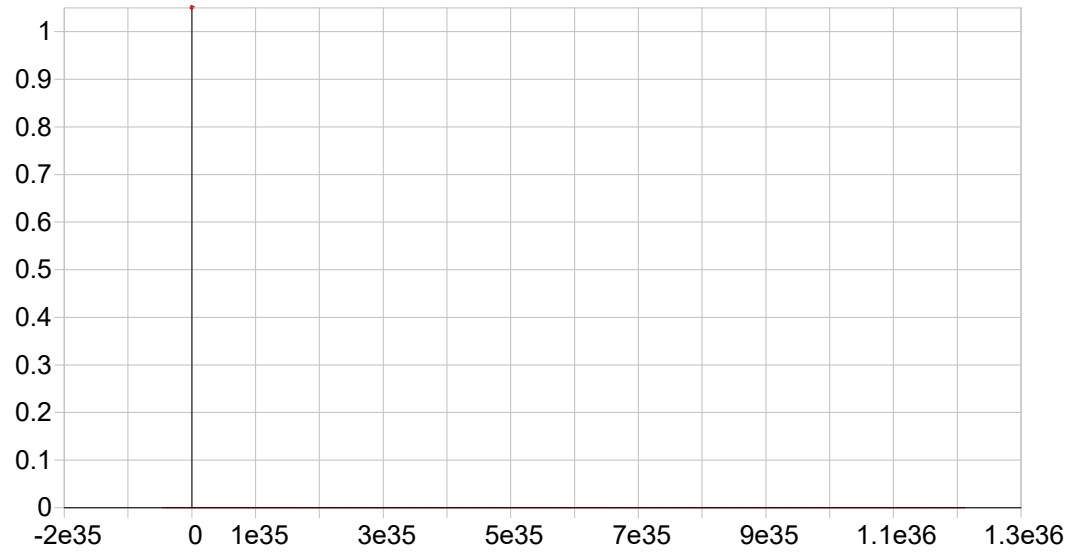
Y 360.073 { 94}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000

A2 (Curvature):	0.000000					
n (Exponent):	1.000000					
Correlation:	0.000000		Status:	Warning	Zero Gain	
Std Error of Est:	0.000000					
Predicted MDL:	n/a					
Predicted MQL:	n/a					

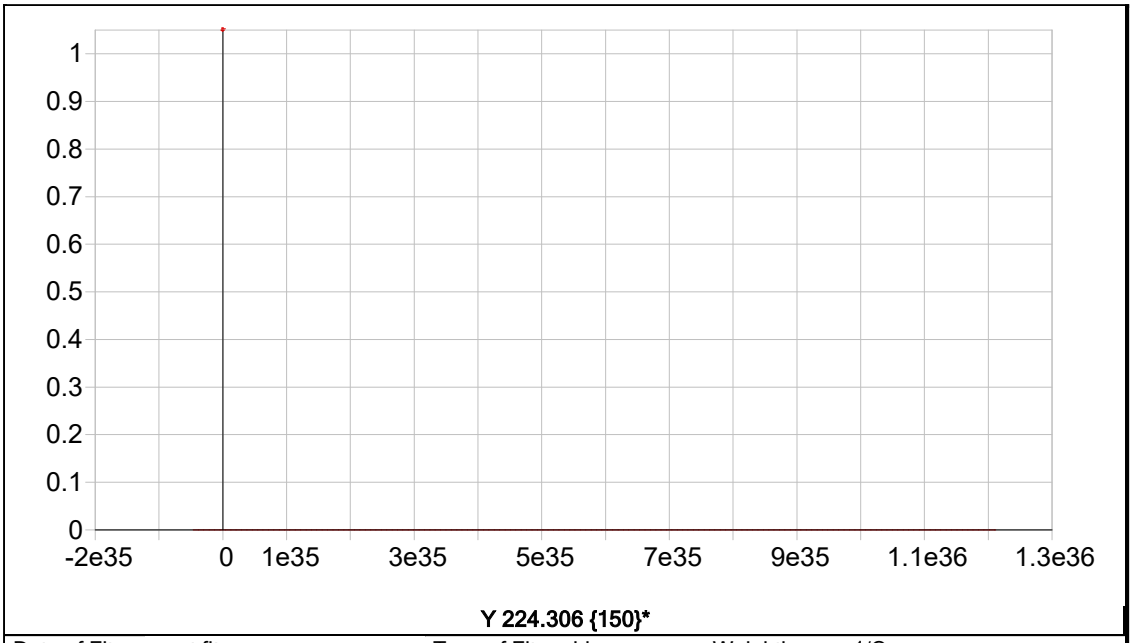
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Y 371.030 { 91}*

Date of Fit:	<not fit>		Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):		0.000000		Re-Slope:	1.000000	
A1 (Gain):		0.000000		Y-int:	0.000000	
A2 (Curvature):		0.000000				
n (Exponent):		1.000000				
Correlation:		0.000000		Status:	Warning	Zero Gain
Std Error of Est:		0.000000				
Predicted MDL:		n/a				
Predicted MQL:		n/a				

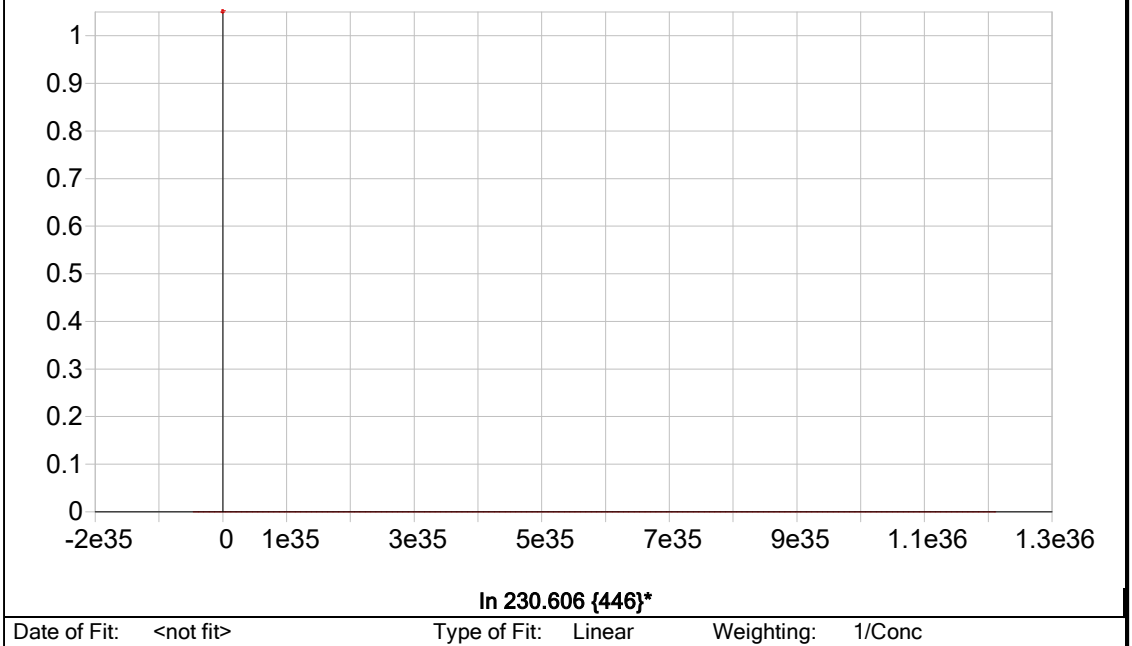
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Y 224.306 {150}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



In 230.606 {446}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	

A2 (Curvature):		0.000000					
n (Exponent):		1.000000					
Correlation:		0.000000		Status:	Warning	Zero Gain	
Std Error of Est:		0.000000					
Predicted MDL:		n/a					
Predicted MQL:		n/a					
Std. Name	**Stated Conc.**	**Found Conc.**	**Difference**	**% Diff.**	**(S)IR**	**Std Dev**	**Emphasis**

Sample Name: S0 Acquired: 8/15/2024 11:23:25 Type: Cal
Method: NON EPA-6010-200.7(v2350) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00010	.00027	-.00018	.00046	.00020	.00058	.03409	-.00067
Stddev	.00010	.00001	.00009	.00013	.00008	.00020	.00098	.00018
%RSD	100.23	2.5712	52.457	28.378	38.847	34.003	2.8766	27.347
#1	.00001	.00026	-.00026	.00056	.00028	.00040	.03517	-.00053
#2	-.00016	.00027	-.00008	.00050	.00014	.00079	.03325	-.00059
#3	-.00014	.00027	-.00019	.00031	.00017	.00055	.03386	-.00088

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00008	.00235	.00001	.00012	-.00022	.00001	.00032	.00006
Stddev	.00011	.00021	.00002	.00011	.00014	.00002	.00002	.00038
%RSD	144.71	8.8711	162.06	91.214	61.624	135.71	6.2291	613.83
#1	.00005	.00235	-.00001	.00000	-.00036	.00002	.00033	-.00029
#2	-.00013	.00214	.00003	.00023	-.00023	.00002	.00030	.00047
#3	-.00014	.00256	.00001	.00014	-.00008	-.00001	.00033	.00001

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00010	-.00060	.00114	.00009	.00962	.00019	.00306	-.00030
Stddev	.00002	.00001	.00005	.00007	.00019	.00020	.00049	.00006
%RSD	17.461	1.9663	4.0151	69.815	2.0048	107.28	16.038	19.882
#1	.00012	-.00060	.00115	.00017	.00949	-.00003	.00330	-.00035
#2	.00011	-.00061	.00117	.00005	.00952	.00035	.00338	-.00033
#3	.00008	-.00059	.00109	.00006	.00984	.00024	.00249	-.00024

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00182	.00164	.00007	-.00144	.00042	.00459	.00019
Stddev	.00011	.00026	.00002	.00003	.00003	.00112	.00023
%RSD	5.9925	16.171	23.353	2.1167	6.6017	24.404	117.26
#1	.00192	.00155	.00007	-.00144	.00044	.00332	.00001
#2	.00170	.00193	.00005	-.00141	.00042	.00542	.00012
#3	.00184	.00142	.00009	-.00147	.00039	.00504	.00044

Sample Name: S0 Acquired: 8/15/2024 11:23:25 Type: Cal
Method: NON EPA-6010-200.7(v2350) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3354.7	118360.	11970.	5137.3	5938.0
Stddev	7.1	202.	48.	13.2	21.2
%RSD	.21096	.17102	.39749	.25789	.35783
#1	3360.1	118140.	11924.	5122.2	5960.4
#2	3346.7	118400.	12019.	5147.0	5918.2
#3	3357.3	118540.	11968.	5142.7	5935.4

Sample Name: S1 Acquired: 8/15/2024 11:27:50 Type: Cal
Method: NON EPA-6010-200.7(v2350) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00181	.00261	.00356	.00207	.00858	.00922	.32659	.03755
Stddev	.00006	.00003	.00018	.00018	.00028	.00031	.00155	.00011
%RSD	3.4522	1.0559	4.9525	8.4515	3.2809	3.3414	.47492	.30587
#1	.00175	.00261	.00370	.00227	.00853	.00910	.32484	.03741
#2	.00188	.00264	.00336	.00201	.00833	.00957	.32711	.03760
#3	.00180	.00258	.00362	.00194	.00888	.00899	.32781	.03762

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.01944	.15079	.00145	.03345	.01998	.00058	.01401	.02867
Stddev	.00008	.00146	.00003	.00029	.00045	.00001	.00007	.00027
%RSD	.41981	.97110	1.8571	.86348	2.2604	.91604	.50843	.92482
#1	.01953	.14919	.00143	.03358	.02022	.00057	.01396	.02840
#2	.01942	.15109	.00143	.03312	.01946	.00058	.01409	.02869
#3	.01937	.15208	.00148	.03365	.02026	.00058	.01396	.02893

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.02751	.00160	.01953	.00515	.11335	.01069	.05195	.21727
Stddev	.00017	.00002	.00029	.00018	.00099	.00004	.00008	.00101
%RSD	.61721	1.1365	1.4805	3.4657	.87418	.37641	.16351	.46491
#1	.02769	.00158	.01981	.00527	.11450	.01066	.05186	.21738
#2	.02735	.00160	.01923	.00524	.11274	.01074	.05202	.21620
#3	.02751	.00161	.01957	.00495	.11283	.01068	.05198	.21821

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00871	.01780	.00100	-.00049	.01152	.00454	.20544
Stddev	.00003	.00018	.00003	.00004	.00006	.00082	.00071
%RSD	.37396	1.0223	2.6094	8.3770	.54741	18.012	.34428
#1	.00874	.01773	.00098	-.00048	.01158	.00415	.20489
#2	.00871	.01801	.00099	-.00054	.01146	.00548	.20520
#3	.00868	.01766	.00103	-.00046	.01153	.00399	.20624

Sample Name: S1 Acquired: 8/15/2024 11:27:50 Type: Cal
Method: NON EPA-6010-200.7(v2350) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3293.7	114080.	11692.	4951.5	5810.7
Stddev	10.8	606.	54.	6.6	23.2
%RSD	.32708	.53117	.45848	.13267	.39937
#1	3290.1	113530.	11751.	4943.9	5802.5
#2	3305.8	114730.	11682.	4955.2	5836.8
#3	3285.2	113960.	11645.	4955.3	5792.6

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: S2 Acquired: 8/15/2024 11:32:14 Type: Cal
Method: NON EPA-6010-200.7(v2350) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.07742	.05154	.20440	.06727	.13153	.13033	4.7691	.27500
Stddev	.00005	.00145	.00017	.00020	.00028	.00070	.0232	.00088
%RSD	.06156	2.8083	.08324	.29368	.21492	.53801	.48710	.32065
#1	.07747	.05316	.20449	.06750	.13176	.13083	4.7867	.27587
#2	.07740	.05110	.20450	.06714	.13121	.13063	4.7779	.27410
#3	.07739	.05037	.20420	.06718	.13160	.12953	4.7428	.27502

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.2378	.31541	.02321	.44990	.18562	.00468	.28499	.05589
Stddev	.0024	.00150	.00025	.00061	.00012	.00005	.00054	.00021
%RSD	.19446	.47662	1.0840	.13594	.06341	1.0161	.19121	.38117
#1	1.2403	.31494	.02309	.45007	.18571	.00472	.28479	.05607
#2	1.2355	.31709	.02350	.44922	.18566	.00469	.28561	.05595
#3	1.2375	.31419	.02304	.45041	.18549	.00463	.28458	.05565

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.27600	.03915	.03953	.05121	1.0741	.02174	.43897	.87774
Stddev	.00012	.00011	.00025	.00049	.0046	.00006	.00146	.00355
%RSD	.04309	.28920	.62056	.95979	.42660	.28887	.33318	.40408
#1	.27612	.03927	.03957	.05140	1.0792	.02174	.44061	.88182
#2	.27589	.03904	.03975	.05065	1.0727	.02180	.43848	.87607
#3	.27599	.03913	.03927	.05158	1.0704	.02167	.43781	.87534

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.13793	.33551	.00224	.03540	.02224	.48505	8.3280
Stddev	.00046	.00162	.00001	.00018	.00006	.00164	.0353
%RSD	.33643	.48353	.35333	.52193	.28703	.33765	.42382
#1	.13840	.33611	.00225	.03561	.02228	.48694	8.3555
#2	.13792	.33675	.00223	.03534	.02217	.48404	8.3403
#3	.13747	.33367	.00224	.03525	.02227	.48418	8.2882

Sample Name: S2 Acquired: 8/15/2024 11:32:14 Type: Cal
Method: NON EPA-6010-200.7(v2350) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3489.8	112810.	11155.	4904.2	6226.9
Stddev	3.8	375.	48.	29.8	14.1
%RSD	.10806	.33253	.42656	.60854	.22662
#1	3485.6	112570.	11106.	4870.4	6211.2
#2	3493.0	112620.	11157.	4915.2	6238.4
#3	3490.7	113240.	11201.	4927.0	6231.1

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: S3 Acquired: 8/15/2024 11:36:24 Type: Cal
Method: NON EPA-6010-200.7(v2350) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.24627	.15798	.64131	.21478	.40783	.38289	14.246	.80140
Stddev	.00081	.00057	.00158	.00111	.00089	.00158	.050	.00653
%RSD	.32962	.36082	.24642	.51786	.21894	.41286	.35133	.81440
#1	.24615	.15832	.64079	.21551	.40774	.38470	14.301	.80817
#2	.24553	.15732	.64005	.21350	.40698	.38220	14.234	.80088
#3	.24714	.15830	.64308	.21534	.40876	.38177	14.202	.79515

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.8922	.91649	.06741	1.3545	.55862	.01360	.83441	.16249
Stddev	.0056	.00627	.00038	.0027	.00186	.00008	.00465	.00096
%RSD	.14335	.68387	.56597	.20123	.33210	.59797	.55784	.58795
#1	3.8911	.92266	.06707	1.3548	.55869	.01352	.83975	.16358
#2	3.8873	.91669	.06782	1.3516	.55673	.01368	.83124	.16212
#3	3.8983	.91013	.06733	1.3570	.56043	.01361	.83223	.16178

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.83527	.11523	.11621	.15237	3.1055	.06552	1.3377	2.6525
Stddev	.00036	.00057	.00084	.00050	.0066	.00025	.0132	.0049
%RSD	.04278	.49319	.72353	.33135	.21197	.38095	.98513	.18297
#1	.83505	.11496	.11527	.15238	3.0984	.06525	1.3525	2.6523
#2	.83507	.11588	.11689	.15186	3.1114	.06573	1.3334	2.6477
#3	.83568	.11484	.11647	.15287	3.1068	.06559	1.3271	2.6574

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.42970	1.0223	.00719	.11408	.06849	.00605	25.727
Stddev	.00089	.0056	.00007	.00043	.00021	.00122	.143
%RSD	.20820	.54642	.99967	.37455	.30149	20.147	.55469
#1	.42937	1.0284	.00712	.11427	.06860	.00725	25.790
#2	.42901	1.0210	.00726	.11359	.06826	.00607	25.827
#3	.43071	1.0175	.00718	.11438	.06862	.00482	25.563

Sample Name: S3 Acquired: 8/15/2024 11:36:24 Type: Cal
Method: NON EPA-6010-200.7(v2350) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3276.5	111490.	11254.	4787.0	5684.4
Stddev	10.2	415.	91.	6.7	12.0
%RSD	.31128	.37246	.81288	.13923	.21117
#1	3271.6	111830.	11150.	4791.6	5677.6
#2	3288.3	111020.	11288.	4779.4	5698.3
#3	3269.7	111610.	11323.	4790.1	5677.4

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: S4 Acquired: 8/15/2024 11:40:38 Type: Cal
Method: NON EPA-6010-200.7(v2350) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.46792	.30862	1.2309	.40625	.78136	.77896	28.279	1.6515
Stddev	.00124	.00353	.0028	.00053	.00117	.00902	.369	.0231
%RSD	.26428	1.1448	.23049	.13008	.14911	1.1576	1.3058	1.3997
#1	.46934	.30944	1.2328	.40686	.78256	.78936	28.689	1.6777
#2	.46737	.30475	1.2277	.40593	.78129	.77337	28.178	1.6432
#3	.46706	.31167	1.2323	.40596	.78024	.77415	27.971	1.6337

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.5070	1.8352	.13085	2.6174	1.0611	.02628	1.6746	.33069
Stddev	.0230	.0192	.00044	.0076	.0025	.00012	.0184	.00335
%RSD	.30630	1.0475	.33985	.28883	.23670	.44517	1.0972	1.0119
#1	7.5291	1.8574	.13099	2.6256	1.0639	.02624	1.6958	.33439
#2	7.4832	1.8238	.13036	2.6108	1.0606	.02619	1.6656	.32981
#3	7.5086	1.8245	.13122	2.6159	1.0590	.02642	1.6625	.32787

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.6016	.22530	.22901	.30681	6.0535	.12904	2.7721	5.1751
Stddev	.0031	.00025	.00128	.00374	.0063	.00102	.0401	.0147
%RSD	.19204	.11101	.55935	1.2182	.10484	.79419	1.4482	.28378
#1	1.6046	.22544	.22855	.31105	6.0564	.12851	2.8170	5.1920
#2	1.5985	.22501	.22803	.30399	6.0462	.12840	2.7595	5.1675
#3	1.6017	.22545	.23046	.30539	6.0579	.13023	2.7398	5.1657

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.82583	2.0513	.01391	.22062	.12997	.01255	51.413
Stddev	.00331	.0215	.00013	.00027	.00041	.00084	.617
%RSD	.40119	1.0474	.94270	.12410	.31707	6.6867	1.2010
#1	.82783	2.0761	.01377	.22092	.13021	.01166	51.943
#2	.82201	2.0399	.01391	.22038	.12949	.01333	50.735
#3	.82766	2.0379	.01403	.22057	.13020	.01264	51.560

Sample Name: S4 Acquired: 8/15/2024 11:40:38 Type: Cal
Method: NON EPA-6010-200.7(v2350) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3316.8	108760.	10456.	4658.1	5723.0
Stddev	9.1	434.	151.	5.2	10.5
%RSD	.27298	.39902	1.4427	.11197	.18408
#1	3308.4	108520.	10283.	4654.2	5711.4
#2	3315.7	109260.	10524.	4664.1	5731.9
#3	3326.4	108490.	10561.	4656.2	5725.6

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: S5 Acquired: 8/15/2024 11:44:58 Type: Cal
Method: NON EPA-6010-200.7(v2350) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.0371	.66573	2.6884	.90559	1.7105	1.6745	62.680	3.4273
Stddev	.0023	.01101	.0048	.00288	.0031	.0134	.982	.0133
%RSD	.22002	1.6536	.17963	.31835	.17881	.79757	1.5670	.38660
#1	1.0345	.65306	2.6864	.90237	1.7072	1.6621	61.602	3.4213
#2	1.0387	.67118	2.6939	.90645	1.7132	1.6886	62.912	3.4425
#3	1.0381	.67295	2.6848	.90794	1.7112	1.6729	63.525	3.4181

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	16.258	3.9919	.27064	5.7039	2.2782	.05756	3.6174	.71074
Stddev	.037	.0367	.00715	.0109	.0033	.00121	.0268	.00556
%RSD	.22763	.91939	2.6424	.19152	.14367	2.1023	.74139	.78284
#1	16.241	3.9503	.27496	5.6982	2.2781	.05840	3.5867	.70462
#2	16.301	4.0057	.27458	5.7165	2.2816	.05812	3.6365	.71548
#3	16.234	4.0197	.26239	5.6971	2.2750	.05618	3.6289	.71214

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.4833	.47595	.50752	.66783	12.518	.28596	5.7931	10.966
Stddev	.0074	.01114	.01207	.00508	.314	.00601	.0230	.020
%RSD	.21217	2.3408	2.3776	.76048	2.5050	2.1011	.39772	.18072
#1	3.4807	.48309	.51528	.66232	12.716	.28946	5.7742	10.943
#2	3.4916	.48165	.51366	.67233	12.682	.28939	5.8188	10.981
#3	3.4775	.46311	.49362	.66883	12.156	.27902	5.7864	10.972

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.7910	4.5106	.03089	.50161	.30360	.05947	112.85
Stddev	.0058	.0353	.00058	.00332	.00058	.00061	1.90
%RSD	.32456	.78340	1.8914	.66131	.19027	1.0200	1.6860
#1	1.7850	4.4698	.03117	.50408	.30298	.05903	110.65
#2	1.7966	4.5305	.03128	.50292	.30412	.05921	113.89
#3	1.7914	4.5315	.03022	.49784	.30371	.06016	114.01

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: S5 Acquired: 8/15/2024 11:44:58 Type: Cal
Method: NON EPA-6010-200.7(v2350) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3016.5	103570.	10124.	4387.2	5075.3
Stddev	1.4	2203.	66.	98.3	5.0
%RSD	.04549	2.1271	.65348	2.2409	.09848
#1	3018.1	102180.	10199.	4323.7	5079.5
#2	3015.8	102420.	10072.	4337.4	5069.8
#3	3015.7	106110.	10102.	4500.4	5076.5

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: ICV01 Acquired: 8/15/2024 12:24:55 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .9386188	.9876592	.9534754	.9691266	.9864901	2.396375
Stddev	.0040236	.0145710	.0021195	.0014199	.0032944	.010624
%RSD	.4286753	1.475306	.2222926	.1465136	.3339540	.4433183
#1	.9393225	.9886869	.9558192	.9690510	.9873890	2.384535
#2	.9422442	.9726015	.9529135	.9705828	.9892418	2.399516
#3	.9342898	1.001689	.9516934	.9677460	.9828396	2.405073

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5015606	.4985132	F .4710080	10.16716	.5054618	.5073542
Stddev	.0037424	.0011710	.0016580	.06097	.0068346	.0021242
%RSD	.7461596	.2348891	.3520079	.5996913	1.352151	.4186860
#1	.4981528	.4985778	.4724547	10.12187	.5129909	.5087580
#2	.5009630	.4973113	.4713706	10.14313	.4996488	.5083942
#3	.5055658	.4996505	.4691987	10.23649	.5037457	.5049103

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5212271	9.840779	.5084344	F 5.648503	.5096977	.2577902
Stddev	.0021694	.104606	.0015097	.011863	.0013484	.0027294
%RSD	.4162199	1.062982	.2969314	.2100242	.2645419	1.058785
#1	.5214271	9.927015	.5068655	5.636270	.5103109	.2605344
#2	.5232896	9.724415	.5085605	5.649281	.5106306	.2550757
#3	.5189646	9.870905	.5098770	5.659959	.5081518	.2577605

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 9.245492	.4758976	1.040745	9.621558	2.448134	F 2.627682
Stddev	.094912	.0049153	.008242	.107248	.008287	.005743
%RSD	1.026578	1.032842	.7919774	1.114661	.3385018	.2185697
#1	9.337560	.4710036	1.049531	9.723561	2.442697	2.629007
#2	9.147970	.4758552	1.033184	9.509740	2.444033	2.632647
#3	9.250945	.4808339	1.039519	9.631374	2.457671	2.621392

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: ICV01 Acquired: 8/15/2024 12:24:55 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.517364	2.570042	F 1.993589	F .0004090	F -.008996	F .0559479
Stddev	.004779	.006877	.018882	.0012921	.002441	.0443432
%RSD	.1898358	.2675792	.9471394	315.9434	27.13071	79.25806
#1	2.522411	2.563800	2.012757	-.000493	-.011013	.1064340
#2	2.516771	2.568911	1.975007	.001889	-.009693	.0233104
#3	2.512909	2.577414	1.993002	-.000169	-.006283	.0380992

Elem	Sr4077
Units	ppm
Avg	2.468159
Stddev	.023173
%RSD	.9388785
#1	2.444538
#2	2.490857
#3	2.469082

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3272.218	110473.7	10920.61	4543.617	5837.869
Stddev	10.393	1139.4	21.64	29.716	12.734
%RSD	.3176058	1.031369	.1981454	.6540218	.2181268
#1	3272.439	109236.4	10945.06	4511.296	5826.617
#2	3261.717	111479.6	10912.88	4569.755	5835.297
#3	3282.499	110705.1	10903.91	4549.800	5851.693

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: LLICV01 Acquired: 8/15/2024 12:29:11 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0184139	.0377029	.0143612	.0185698	.0530933	.1001563
Stddev	.0007551	.0009361	.0006744	.0017839	.0005175	.0076167
%RSD	4.100864	2.482798	4.695737	9.606312	.9747210	7.604775
#1	.0178802	.0370682	.0137775	.0171132	.0533066	.1086776
#2	.0192779	.0387780	.0150994	.0180367	.0525032	.0940106
#3	.0180837	.0372625	.0142067	.0205594	.0534700	.0977806

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0997834	.0060824	.0060178	2.018037	.0096876	.0299663
Stddev	.0006107	.0000160	.0000293	.018225	.0003579	.0000141
%RSD	.6120347	.2627031	.4869511	.9031179	3.693832	.0471151
#1	.0991472	.0061005	.0060292	2.000699	.0100311	.0299727
#2	.0998380	.0060700	.0059845	2.016375	.0097149	.0299501
#3	.1003649	.0060768	.0060398	2.037036	.0093169	.0299760

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0223556	.1050718	.0200273	2.011488	.0401824	.0118367
Stddev	.0001312	.0039397	.0002429	.017165	.0000893	.0001420
%RSD	.5868900	3.749519	1.212970	.8533542	.2222954	1.199617
#1	.0224165	.1065655	.0197471	2.013047	.0401662	.0116729
#2	.0222051	.1006038	.0201793	2.027820	.0402788	.0119125
#3	.0224453	.1080463	.0201554	1.993597	.0401023	.0119248

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.795075	.0376202	.0424976	1.820028	.0949746	.2020405
Stddev	.008124	.0026352	.0005365	.024980	.0003454	.0005898
%RSD	.4525457	7.004798	1.262428	1.372502	.3636250	.2919254
#1	1.796854	.0351537	.0430080	1.796194	.0951179	.2014266
#2	1.786209	.0403967	.0419383	1.817877	.0945806	.2020921
#3	1.802162	.0373101	.0425464	1.846015	.0952251	.2026028

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: LLICV01 Acquired: 8/15/2024 12:29:11 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0381699	.0399004	F .3121531	.0186161	F .3819633	F .0691032
Stddev	.0007132	.0005756	.0055324	.0008388	.0002155	.0465928
%RSD	1.868544	1.442677	1.772348	4.505746	.0564125	67.42493
#1	.0389636	.0393543	.3149823	.0195401	.3819435	.0649318
#2	.0375827	.0398454	.3156988	.0184055	.3821880	.1176414
#3	.0379634	.0405016	.3057782	.0179027	.3817585	.0247363

Elem	Sr4077
Units	ppm
Avg	.0200932
Stddev	.0001009
%RSD	.5021650
#1	.0199807
#2	.0201756
#3	.0201233

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3213.100	114903.3	11324.24	4711.766	5742.443
Stddev	12.087	666.1	40.63	30.083	26.237
%RSD	.3761914	.5797418	.3588194	.6384743	.4568906
#1	3220.881	114393.7	11307.40	4681.514	5759.270
#2	3219.244	115657.1	11370.59	4741.678	5755.846
#3	3199.174	114659.1	11294.74	4712.105	5712.212

Sample Name: ICB01 Acquired: 8/15/2024 12:33:35 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000970	-.001786	.0004572	-.001554	.0002703	.0029759
Stddev	.000726	.000901	.0003290	.002328	.0002493	.0048267
%RSD	74.90369	50.46459	71.95179	149.8072	92.23212	162.1932
#1	-.001493	-.001855	.0003304	-.004235	.0002485	-.001012
#2	-.001275	-.002651	.0008307	-.000389	.0005298	.008342
#3	-.000141	-.000853	.0002105	-.000038	.0000326	.001598

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030928	.0000142	-.000006	-.001886	.0001555	-.000019
Stddev	.0002005	.0000308	.000052	.004445	.0001427	.000038
%RSD	6.483583	216.4045	850.2811	235.6757	91.81745	198.9088
#1	.0029848	.0000007	-.000065	-.006967	.0002702	-.000040
#2	.0033242	.0000494	.000034	.001285	.0002006	.000025
#3	.0029694	-.000008	.000013	.000024	-.000004	-.000043

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000026	-.003187	-.000404	-.014358	.0001347	-.000269
Stddev	.000210	.001483	.000196	.015645	.0001258	.000290
%RSD	824.1474	46.53214	48.49120	108.9617	93.37057	107.7504
#1	.000191	-.001517	-.000596	-.005300	.0001823	.000065
#2	-.000038	-.003692	-.000413	-.032423	-.000008	-.000413
#3	-.000229	-.004351	-.000204	-.005351	.000230	-.000459

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.024596	-.000676	-.000779	-.058766	-.000791	.0000997
Stddev	.006603	.001409	.000115	.032113	.000602	.0001300
%RSD	26.84445	208.5048	14.73348	54.64510	76.04064	130.3489
#1	-.018326	.000824	-.000814	-.076119	-.000110	.0002484
#2	-.023973	-.000880	-.000872	-.021710	-.001248	.0000434
#3	-.031487	-.001971	-.000651	-.078469	-.001016	.0000074

Sample Name: ICB01 Acquired: 8/15/2024 12:33:35 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001551	.0001772	-.004633	.0012639	-.003515	F .0590823
Stddev	.000546	.0007002	.004266	.0012319	.000577	.0491060
%RSD	35.22418	395.1149	92.09098	97.47406	16.41420	83.11455
#1	-.000956	-.000560	-.009335	.0007966	-.003372	.0339115
#2	-.001667	.000258	-.001010	.0003339	-.003023	.0276652
#3	-.002030	.000834	-.003552	.0026611	-.004150	.1156703

Elem	Sr4077
Units	ppm
Avg	-.000042
Stddev	.000074
%RSD	177.5905
#1	.000001
#2	-.000127
#3	.000001

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3410.454	110926.9	10488.59	4589.043	6302.044
Stddev	11.698	400.5	45.42	14.530	16.987
%RSD	.3430101	.3610889	.4330056	.3166313	.2695480
#1	3418.460	110792.7	10436.83	4578.911	6316.111
#2	3415.874	110610.8	10521.76	4582.527	6306.848
#3	3397.029	111377.4	10507.18	4605.690	6283.172

Sample Name: CRI01 Acquired: 8/15/2024 12:38:03 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0185929	.0394648	.0148646	.0193968	.0519568	.1015364
Stddev	.0015264	.0002802	.0007891	.0008085	.0010255	.0052463
%RSD	8.209319	.7099313	5.308491	4.167965	1.973825	5.166955
#1	.0181931	.0392031	.0140027	.0200384	.0521708	.1013852
#2	.0202793	.0397603	.0150397	.0184888	.0528585	.1068567
#3	.0173061	.0394310	.0155514	.0196634	.0508412	.0963673

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1000789	.0063644	.0060004	2.045260	.0098065	.0300818
Stddev	.0003229	.0000381	.0000810	.013151	.0001940	.0002027
%RSD	.3226713	.5990297	1.349316	.6430142	1.978089	.6738214
#1	.0998104	.0063507	.0059942	2.031602	.0096200	.0303086
#2	.0999891	.0063349	.0060843	2.046342	.0100072	.0300185
#3	.1004373	.0064074	.0059227	2.057838	.0097924	.0299183

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0225353	.1055984	.0200954	2.050178	.0403182	.0123017
Stddev	.0003287	.0013660	.0001837	.021498	.0003714	.0004844
%RSD	1.458416	1.293581	.9142408	1.048582	.9211061	3.937355
#1	.0222595	.1051162	.0199787	2.060265	.0406562	.0126854
#2	.0228990	.1071401	.0200003	2.025491	.0403777	.0117574
#3	.0224474	.1045389	.0203072	2.064777	.0399207	.0124622

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.833492	.0374011	.0435834	1.851633	.0944110	.2083001
Stddev	.007244	.0006579	.0003187	.021136	.0009312	.0015618
%RSD	.3950921	1.758981	.7311935	1.141484	.9863583	.7497919
#1	1.828460	.0378674	.0432443	1.828038	.0936632	.2082479
#2	1.841795	.0376874	.0438768	1.868833	.0941158	.2098874
#3	1.830222	.0366486	.0436291	1.858027	.0954541	.2067651

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CRI01 Acquired: 8/15/2024 12:38:03 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0382497	.0396580	.3010095	.0196106	F .3656957	F .0787608
Stddev	.0005380	.0005524	.0085680	.0016597	.0045638	.0198898
%RSD	1.406517	1.392926	2.846418	8.463324	1.247963	25.25346
#1	.0382901	.0390933	.3101959	.0188908	.3635483	.1014571
#2	.0387664	.0401973	.2932354	.0215087	.3709371	.0704569
#3	.0376927	.0396835	.2995973	.0184323	.3626019	.0643685

Elem	Sr4077
Units	ppm
Avg	.0192806
Stddev	.0001100
%RSD	.5707039
#1	.0192072
#2	.0192275
#3	.0194071

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3258.273	109502.9	10678.92	4529.930	5927.768
Stddev	14.556	188.3	42.57	10.313	32.393
%RSD	.4467350	.1719801	.3986013	.2276746	.5464702
#1	3255.505	109689.1	10678.45	4538.460	5917.563
#2	3245.300	109312.5	10721.72	4518.468	5901.705
#3	3274.014	109507.2	10636.59	4532.862	5964.035

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: ICSA01 Acquired: 8/15/2024 12:42:28 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033211	.0042595	.0055560	-.009654	-.001719	255.2828
Stddev	.0025587	.0024022	.0014073	.003237	.000904	1.1916
%RSD	77.04249	56.39585	25.33018	33.53046	52.59106	.4667838
#1	.0006820	.0069938	.0069625	-.010272	-.000726	254.1794
#2	.0057909	.0024887	.0041478	-.006152	-.002495	255.1225
#3	.0034904	.0032959	.0055578	-.012537	-.001938	256.5464

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0072499	.0010345	.0003263	251.7200	.0561999	.0027592
Stddev	.0005694	.0000916	.0001198	.2620	.0004089	.0001819
%RSD	7.854349	8.857075	36.70576	.1040761	.7276157	6.592014
#1	.0071337	.0011224	.0004574	252.0223	.0558280	.0026436
#2	.0078685	.0009396	.0002988	251.5601	.0561339	.0029688
#3	.0067476	.0010416	.0002226	251.5774	.0566378	.0026651

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0198429	105.6967	.0155591	256.2747	.0033483	.0021012
Stddev	.0007329	.2984	.0003384	.1132	.0001446	.0003363
%RSD	3.693694	.2822812	2.174796	.0441569	4.318885	16.00422
#1	.0206552	105.5848	.0153642	256.3020	.0032493	.0018639
#2	.0192311	105.4706	.0159499	256.1503	.0032814	.0019538
#3	.0196423	106.0349	.0153634	256.3716	.0035143	.0024861

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0277910	.0017983	.0015098	-.051815	.0173022	.0003284
Stddev	.0166695	.0007689	.0001067	.011675	.0014132	.0001505
%RSD	59.98149	42.75994	7.066270	22.53217	8.167998	45.84098
#1	.0468261	.0015031	.0014675	-.038431	.0157035	.0003794
#2	.0207477	.0012207	.0014307	-.057108	.0183852	.0001590
#3	.0157993	.0026711	.0016311	-.059906	.0178178	.0004467

Sample Name: ICSA01 Acquired: 8/15/2024 12:42:28 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003399	-.002246	.0165830	.0026948	-.016367	F 1.412938
Stddev	.000573	.000405	.0017084	.0016898	.002715	.024144
%RSD	16.86956	18.01618	10.30209	62.70562	16.58972	1.708763
#1	-.003776	-.002554	.0185373	.0027366	-.013400	1.392878
#2	-.003683	-.002396	.0158387	.0009845	-.018728	1.439735
#3	-.002739	-.001788	.0153730	.0043634	-.016972	1.406202

Elem	Sr4077
Units	ppm
Avg	-.006665
Stddev	.000488
%RSD	7.316042
#1	-.006121
#2	-.006813
#3	-.007062

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2884.055	96141.49	10424.04	3950.186	4818.262
Stddev	15.820	251.43	20.85	8.844	26.253
%RSD	.5485197	.2615221	.2000082	.2238817	.5448703
#1	2867.553	96228.13	10405.13	3954.734	4790.833
#2	2885.522	96338.14	10446.40	3955.831	4820.795
#3	2899.090	95858.19	10420.60	3939.994	4843.156

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: ICSAB01 Acquired: 8/15/2024 12:56:34 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1024828	.1009775	.0547197	.0391331	.6166586	258.4534
Stddev	.0024130	.0014101	.0012195	.0008841	.0028402	.9146
%RSD	2.354571	1.396491	2.228588	2.259327	.4605875	.3538564
#1	.1049816	.1022014	.0534834	.0383668	.6199337	259.3879
#2	.1023011	.1012957	.0547541	.0401005	.6151700	258.4119
#3	.1001658	.0994355	.0559216	.0389320	.6148721	257.5602

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5165002	.5253374	.9485247	249.4420	.5400095	.5081952
Stddev	.0012439	.0026218	.0022583	.7634	.0029200	.0012463
%RSD	.2408306	.4990676	.2380868	.3060347	.5407233	.2452393
#1	.5175015	.5281848	.9509441	250.3208	.5408199	.5095355
#2	.5151077	.5248041	.9464725	248.9424	.5424387	.5070712
#3	.5168912	.5230232	.9481576	249.0630	.5367699	.5079789

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5215763	97.61168	.5159990	258.8277	1.008847	.2210873
Stddev	.0010457	.24361	.0016991	.4183	.001937	.0005084
%RSD	.2004805	.2495710	.3292858	.1616114	.1919855	.2299719
#1	.5227158	97.51902	.5179090	259.0893	1.010461	.2209038
#2	.5206607	97.88802	.5146555	259.0485	1.006699	.2216620
#3	.5213525	97.42799	.5154326	258.3453	1.009381	.2206960

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003075	.4787165	1.077632	-.082963	.9568124	.9981855
Stddev	.015730	.0003619	.002010	.011975	.0049733	.0033190
%RSD	511.6038	.0755932	.1864851	14.43370	.5197804	.3325003
#1	-.018936	.4787694	1.078757	-.069223	.9616659	1.001895
#2	-.002808	.4783310	1.078826	-.091178	.9570438	.995496
#3	.012520	.4790489	1.075312	-.088487	.9517274	.997166

Sample Name: ICSAB01 Acquired: 8/15/2024 12:56:34 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9858834	1.001393	F .8036964	F .0037607	F -.016421	F 1.359198
Stddev	.0055845	.001984	.0090544	.0005770	.002307	.010426
%RSD	.5664484	.1981223	1.126595	15.34282	14.04917	.7671043
#1	.9921939	1.003663	.8118112	.0041418	-.013777	1.347829
#2	.9815792	.999989	.8053482	.0030969	-.017458	1.361452
#3	.9838771	1.000528	.7939298	.0040434	-.018028	1.368313

Elem	Sr4077
Units	ppm
Avg	1.000814
Stddev	.003587
%RSD	.3583632
#1	1.004422
#2	.997249
#3	1.000771

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2883.850	100288.0	10001.40	4091.657	4824.894
Stddev	2.504	594.9	67.39	8.814	6.772
%RSD	.0868363	.5932248	.6737969	.2154207	.1403468
#1	2881.058	99994.9	9936.19	4081.479	4817.359
#2	2885.897	99896.5	9997.25	4096.649	4826.852
#3	2884.596	100972.6	10070.78	4096.842	4830.470

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: ICSADLX20 Acquired: 8/15/2024 13:00:48 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001255	-.000436	-.000412	-.000864	.0013000	12.30438	.0020410
Stddev	.002117	.000662	.000351	.001278	.0007719	.03952	.0004490
%RSD	168.6897	151.6902	85.12639	147.8834	59.37939	.3212163	21.99746
#1	-.001306	-.000410	-.000141	.000559	.0009194	12.32493	.0023789
#2	-.003347	.000212	-.000808	-.001913	.0021884	12.32939	.0022126
#3	.000887	-.001111	-.000286	-.001238	.0007923	12.25881	.0015315

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001394	.0002265	12.89473	.0025798	.0001994	.0014376	5.120318
Stddev	.0000242	.0000252	.07633	.0001564	.0001325	.0003616	.059601
%RSD	17.36549	11.14017	.5919573	6.061324	66.46369	25.15693	1.164008
#1	.0001417	.0002285	12.98271	.0025865	.0000751	.0011628	5.074186
#2	.0001141	.0002507	12.84611	.0024202	.0003388	.0018473	5.099155
#3	.0001623	.0002003	12.85537	.0027327	.0001843	.0013027	5.187612

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007172	12.61261	.0007137	.0001406	-.040305	-.000359	-.000084
Stddev	.0002469	.03681	.0002098	.0002751	.005565	.001282	.000232
%RSD	34.42771	.2918126	29.39440	195.6538	13.80679	356.7202	277.9485
#1	.0004488	12.60865	.0005860	.0004216	-.036438	-.001830	.000113
#2	.0007680	12.65124	.0009559	-.000128	-.037795	.000226	-.000340
#3	.0009347	12.57795	.0005993	.000129	-.046683	.000526	-.000023

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.114623	-.000838	.0004907	-.001824	-.000061	.0011393	-.001431
Stddev	.014820	.000578	.0000191	.000413	.000393	.0068257	.001695
%RSD	12.92900	68.87783	3.888281	22.67069	643.4569	599.1033	118.4160
#1	-.131269	-.000461	.0004953	-.002107	-.000455	-.006371	.000304
#2	-.109738	-.000551	.0004698	-.002015	-.000058	.006966	-.001514
#3	-.102863	-.001503	.0005071	-.001349	.000330	.002823	-.003082

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: ICSADLX20 Acquired: 8/15/2024 13:00:48 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.004019	.0776448	-.000143
Stddev	.002811	.0490146	.000079
%RSD	69.94111	63.12669	55.00751
#1	-.007137	.0231309	-.000098
#2	-.003239	.0917258	-.000098
#3	-.001680	.1180777	-.000235

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3262.765	108902.1	10792.33	4525.779	5829.467
Stddev	8.466	1042.1	70.83	44.511	6.896
%RSD	.2594816	.9569601	.6562990	.9834881	.1183011
#1	3254.100	109408.6	10710.66	4549.755	5828.002
#2	3271.017	109594.2	10829.44	4553.162	5836.978
#3	3263.178	107703.5	10836.90	4474.421	5823.421

Sample Name: ICSABDLX20 Acquired: 8/15/2024 13:11:42 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036546	.0050154	.0026027	.0005443	.0300806	12.04859	.0266070
Stddev	.0013450	.0010244	.0008740	.0021366	.0009597	.04043	.0002569
%RSD	36.80395	20.42493	33.58048	392.5615	3.190518	.3355582	.9656400
#1	.0050858	.0061972	.0018082	-.001910	.0309388	12.08960	.0269025
#2	.0024167	.0044674	.0035389	.001989	.0290443	12.00876	.0264822
#3	.0034612	.0043815	.0024610	.001553	.0302585	12.04741	.0264363

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0256127	.0467802	12.59233	.0276787	.0248175	.0266944	5.111307
Stddev	.0000932	.0001521	.01077	.0001106	.0001010	.0002462	.008032
%RSD	.3639489	.3252231	.0854893	.3994948	.4068796	.9222352	.1571491
#1	.0257132	.0466119	12.59095	.0277147	.0247208	.0269381	5.105157
#2	.0255291	.0468207	12.58232	.0275546	.0249223	.0264458	5.120395
#3	.0255959	.0469080	12.60372	.0277667	.0248095	.0266993	5.108369

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0258549	12.29438	.0500938	.0108995	-.036768	.0224034	.0534651
Stddev	.0001510	.04169	.0001309	.0001812	.005782	.0004401	.0001095
%RSD	.5838638	.3391378	.2613453	1.662397	15.72553	1.964458	.2048879
#1	.0256843	12.26136	.0499639	.0110937	-.042016	.0225740	.0534101
#2	.0259714	12.28055	.0502257	.0107349	-.037718	.0219035	.0535913
#3	.0259088	12.34123	.0500919	.0108699	-.030570	.0227326	.0533940

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.107504	.0449423	.0510481	.0464544	.0494227	.0387042	-.000154
Stddev	.036267	.0009078	.0002369	.0007612	.0010627	.0068270	.000937
%RSD	33.73548	2.019884	.4640632	1.638497	2.150180	17.63880	608.8089
#1	-.082513	.0459001	.0508345	.0460451	.0502062	.0403028	.000497
#2	-.149101	.0448325	.0513029	.0459854	.0498487	.0445900	.000268
#3	-.090898	.0440945	.0510070	.0473326	.0482131	.0312198	-.001227

Sample Name: ICSABDLX20 Acquired: 8/15/2024 13:11:42 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.004536	.1152121	.0489199
Stddev	.001338	.0290391	.0001475
%RSD	29.50187	25.20495	.3014035
#1	-.005461	.1052682	.0488902
#2	-.003001	.1479168	.0490800
#3	-.005145	.0924511	.0487896

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3297.185	108388.1	10993.31	4504.241	5907.899
Stddev	7.150	181.3	26.69	5.428	11.854
%RSD	.2168634	.1672747	.2427913	.1205154	.2006546
#1	3304.762	108258.6	10962.86	4498.381	5920.380
#2	3296.238	108310.3	11012.64	4505.245	5906.526
#3	3290.555	108595.3	11004.45	4509.098	5896.791

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CCV01 Acquired: 8/15/2024 13:16:04 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.959428	5.040678	4.848243	5.076436	4.957239	9.387510
Stddev	.011600	.049308	.002996	.013413	.013402	.026500
%RSD	.2338968	.9782113	.0617870	.2642111	.2703616	.2822860
#1	4.946052	5.000006	4.848367	5.062170	4.942681	9.407966
#2	4.965504	5.026508	4.845187	5.078349	4.959971	9.396991
#3	4.966728	5.095520	4.851174	5.088789	4.969066	9.357575

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.644466	.2422917	2.399444	24.59996	.9195854	2.403994
Stddev	.112769	.0026095	.000228	.22529	.0027916	.001311
%RSD	1.169265	1.076988	.0094897	.9157943	.3035678	.0545476
#1	9.604639	.2449233	2.399434	24.76387	.9188178	2.402695
#2	9.771745	.2422468	2.399221	24.69294	.9172580	2.403971
#3	9.557014	.2397050	2.399676	24.34307	.9226805	2.405317

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.240633	4.676425	2.397909	23.22209	2.424726	1.188857
Stddev	.000043	.033818	.014778	.08649	.001913	.003601
%RSD	.0034809	.7231617	.6162923	.3724315	.0789130	.3028786
#1	1.240641	4.638982	2.408261	23.21170	2.423006	1.188103
#2	1.240672	4.685545	2.404481	23.31330	2.424386	1.185693
#3	1.240586	4.704747	2.380985	23.14127	2.426787	1.192775

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	22.61664	2.335956	2.426443	23.10365	4.805231	4.898541
Stddev	.18609	.012735	.006547	.13018	.051925	.010161
%RSD	.8228217	.5451787	.2698189	.5634684	1.080588	.2074379
#1	22.44355	2.348362	2.427178	22.96015	4.857025	4.887398
#2	22.59292	2.336591	2.419560	23.13661	4.805490	4.900927
#3	22.81346	2.322915	2.432591	23.21418	4.753176	4.907296

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CCV01 Acquired: 8/15/2024 13:16:04 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.819660	4.855842	F 4.491463	4.872176	4.827651	F .3675962
Stddev	.003759	.041449	.055993	.009504	.015972	.0198588
%RSD	.0779927	.8535925	1.246647	.1950676	.3308349	5.402336
#1	4.816092	4.876170	4.452448	4.861203	4.824162	.3518475
#2	4.819302	4.883203	4.466322	4.877823	4.813712	.3610360
#3	4.823584	4.808154	4.555620	4.877500	4.845078	.3899050

Elem	Sr4077
Units	ppm
Avg	4.921101
Stddev	.059800
%RSD	1.215166
#1	4.985662
#2	4.910031
#3	4.867609

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3111.522	111911.7	10627.61	4554.282	5380.513
Stddev	3.205	384.3	106.20	8.235	5.404
%RSD	.1030193	.3433725	.9992434	.1808221	.1004433
#1	3113.754	112243.8	10535.15	4561.490	5380.563
#2	3107.849	112000.4	10604.08	4556.048	5375.083
#3	3112.963	111490.8	10743.60	4545.307	5385.892

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CCB01 Acquired: 8/15/2024 13:22:54 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000836	-.001950	-.000305	-.001939	.0002430	.0051574
Stddev	.000735	.001061	.000655	.001424	.0011417	.0059434
%RSD	87.81266	54.42567	214.8902	73.44519	469.8074	115.2401
#1	-.000081	-.000747	.000412	-.003265	-.000770	.0101297
#2	-.000881	-.002348	-.000871	-.000433	.001480	.0067676
#3	-.001548	-.002755	-.000456	-.002120	.000019	-.001425

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019563	-.000008	.0000223	-.008197	.0001900	-.000040
Stddev	.0003577	.000017	.0000431	.008419	.0001822	.000054
%RSD	18.28368	219.4733	193.8022	102.7117	95.89794	135.5502
#1	.0016565	-.000026	.0000640	-.009006	.0003998	.000020
#2	.0023522	-.000006	-.000022	.000598	.0000988	-.000084
#3	.0018602	.000008	.000025	-.016183	.0000714	-.000056

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000050	-.000108	-.000241	-.007118	-.000027	-.000021
Stddev	.000214	.000948	.000237	.004863	.000112	.000296
%RSD	428.8198	880.0351	98.29182	68.32095	419.5934	1384.255
#1	.000167	-.000296	-.000323	-.005198	.000021	-.000148
#2	-.000260	-.000948	.000026	-.003508	.000054	-.000233
#3	-.000056	.000921	-.000426	-.012649	-.000155	.000317

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.050780	-.000877	-.000665	-.106036	.0023149	.0001146
Stddev	.010605	.000478	.000093	.008763	.0001528	.0001970
%RSD	20.88370	54.52829	13.98208	8.264302	6.599842	171.8736
#1	-.057637	-.000420	-.000683	-.107673	.0022403	-.000097
#2	-.038565	-.001374	-.000564	-.096570	.0022137	.000149
#3	-.056138	-.000836	-.000747	-.113866	.0024906	.000292

Sample Name: CCB01 Acquired: 8/15/2024 13:22:54 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001404	-.000957	-.009353	.0015554	-.004957	F .0229443
Stddev	.000645	.000556	.007690	.0006570	.001308	.0459217
%RSD	45.97049	58.05468	82.22460	42.23669	26.38976	200.1442
#1	-.000923	-.001376	-.004368	.0008172	-.006335	-.029811
#2	-.002137	-.001168	-.005481	.0020756	-.003732	.053953
#3	-.001151	-.000327	-.018209	.0017735	-.004805	.044692

Elem	Sr4077
Units	ppm
Avg	-.000005
Stddev	.000025
%RSD	522.5078
#1	-.000024
#2	-.000014
#3	.000023

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3357.927	112696.3	10992.92	4621.016	6169.704
Stddev	9.828	365.8	19.15	18.522	12.438
%RSD	.2926665	.3245498	.1742471	.4008171	.2016051
#1	3359.036	112419.2	10970.92	4619.002	6166.980
#2	3367.153	112558.8	11005.91	4603.584	6183.278
#3	3347.592	113110.8	11001.92	4640.463	6158.853

Sample Name: LR1 Acquired: 8/15/2024 13:27:22 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0384417	.0076652	.0529918	-.122531	-.002204	2050.853
Stddev	.0054564	.0053422	.0044355	.004660	.006220	24.223
%RSD	14.19391	69.69436	8.370120	3.803121	282.2262	1.181138
#1	.0415775	.0080223	.0573477	-.117150	-.009078	2064.050
#2	.0321412	.0021534	.0484808	-.125206	-.000569	2022.897
#3	.0416064	.0128200	.0531469	-.125236	.003035	2065.612

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0206600	.0076966	.0334835	1691.313	.0250772	.0434056
Stddev	.0010940	.0001612	.0002807	3.619	.0003076	.0005431
%RSD	5.295148	2.093885	.8382952	.2140008	1.226751	1.251301
#1	.0215754	.0078365	.0334155	1688.429	.0248346	.0430112
#2	.0194484	.0075204	.0337919	1690.136	.0254232	.0431806
#3	.0209560	.0077329	.0332430	1695.375	.0249737	.0440251

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0875950	960.3110	.0114289	1740.863	.0459992	.0084039
Stddev	.0051622	4.3671	.0005176	22.574	.0009955	.0006826
%RSD	5.893259	.4547634	4.528919	1.296723	2.164177	8.122174
#1	.0819003	962.2576	.0112188	1750.790	.0466696	.0083100
#2	.0919676	955.3090	.0120185	1715.027	.0448553	.0077731
#3	.0889171	963.3663	.0110494	1756.773	.0464727	.0091286

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2070.359	.0099597	.0500393	F 1594.666	.0549826	.0001301
Stddev	9.204	.0004416	.0003524	6.623	.0054464	.0001805
%RSD	.4445617	4.434260	.7042428	.4153117	9.905702	138.7438
#1	2078.663	.0097778	.0497384	1600.779	.0545352	-.000044
#2	2071.951	.0096380	.0504270	1587.630	.0606390	.000118
#3	2060.463	.0104632	.0499524	1595.587	.0497737	.000316

Sample Name: LR1 Acquired: 8/15/2024 13:27:22 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005376	-.052798	.1546332	.0617761	-.216591	11.92317
Stddev	.000793	.000979	.0047408	.0044133	.013270	.21811
%RSD	14.74967	1.853940	3.065851	7.143982	6.126614	1.829272
#1	-.005151	-.053062	.1496745	.0598496	-.213212	12.08624
#2	-.004719	-.051715	.1551042	.0668251	-.205337	11.67543
#3	-.006257	-.053618	.1591210	.0586535	-.231223	12.00785

Elem	Sr4077
Units	ppm
Avg	-.948723
Stddev	.004136
%RSD	.4359335
#1	-.950652
#2	-.943975
#3	-.951542

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2118.447	77228.79	8759.970	2968.859	3247.459
Stddev	7.373	33.20	92.478	15.468	5.371
%RSD	.3480382	.0429864	1.055688	.5210029	.1653783
#1	2126.839	77211.50	8726.550	2955.639	3252.555
#2	2113.010	77207.81	8864.513	2985.870	3247.971
#3	2115.491	77267.07	8688.848	2965.069	3241.851

Sample Name: LR2 Acquired: 8/15/2024 13:32:28 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0131542	-.004908	226.4038	.0076093	-.001548	.6038966
Stddev	.0031963	.001119	2.5106	.0005544	.001500	.2074399
%RSD	24.29857	22.80677	1.108891	7.285237	96.86616	34.35023
#1	.0164852	-.006050	223.5427	.0082193	.000177	.8178815
#2	.0128651	-.003813	228.2384	.0074722	-.002280	.5901196
#3	.0101123	-.004861	227.4305	.0071363	-.002542	.4036886

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	92.32454	-.002112	-.001737	.6686787	.0184274	-.028979
Stddev	1.07881	.000019	.000010	.1950276	.0002002	.000381
%RSD	1.168496	.9180900	.5544028	29.16612	1.086683	1.314935
#1	91.41665	-.002092	-.001748	.8689068	.0182012	-.028546
#2	92.03983	-.002131	-.001732	.6578243	.0185822	-.029260
#3	93.51715	-.002115	-.001731	.4793049	.0184988	-.029132

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	268.1565	.3573461	42.80979	.4411482	47.39454	.0026345
Stddev	1.9271	.1073082	.29770	.1863037	.53589	.0002950
%RSD	.7186524	30.02921	.6953962	42.23154	1.130702	11.19629
#1	265.9914	.4661583	42.90916	.6359399	46.78886	.0028072
#2	268.7940	.3542719	43.04510	.4228170	47.80712	.0022939
#3	269.6841	.2516080	42.47512	.2646877	47.58764	.0028023

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.049096	-.007223	F 24.74415	.9405407	-.000042	.0001201
Stddev	.246594	.002166	.04235	.2379070	.000536	.0001749
%RSD	23.50539	29.98685	.1711467	25.29471	1263.887	145.6756
#1	1.298210	-.004749	24.79059	1.191164	.000406	.0002243
#2	1.043975	-.008143	24.70767	.912649	.000102	-.000082
#3	.805102	-.008777	24.73417	.717809	-.000636	.000218

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: LR2 Acquired: 8/15/2024 13:32:28 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.008436	-.046410	-.002662	-.291004	.0402851	.0851832
Stddev	.000319	.000109	.006255	.006852	.0008716	.0170487
%RSD	3.776362	.2345063	234.9418	2.354732	2.163454	20.01418
#1	-.008759	-.046390	-.001160	-.285133	.0393540	.0888457
#2	-.008122	-.046527	.002705	-.289346	.0410814	.1001030
#3	-.008428	-.046312	-.009531	-.298534	.0404199	.0666008

Elem	Sr4077
Units	ppm
Avg	.0011701
Stddev	.0000995
%RSD	8.507797
#1	.0010729
#2	.0011654
#3	.0012718

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2842.262	111613.7	11035.89	4360.755	5492.046
Stddev	26.522	78.8	19.46	12.377	54.482
%RSD	.9331386	.0706446	.1762900	.2838290	.9920190
#1	2872.652	111632.1	11051.45	4366.615	5554.408
#2	2823.787	111527.3	11014.07	4369.114	5453.681
#3	2830.347	111681.7	11042.13	4346.536	5468.051

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3519-21 Acquired: 8/15/2024 13:37:32 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0126071	-.013253	.0340895	-.042102	.0058553	96.92081	.1219062
Stddev	.0010516	.001047	.0013930	.002208	.0003921	.63667	.0013151
%RSD	8.341084	7.901489	4.086269	5.244789	6.695857	.6569005	1.078775
#1	.0138196	-.012282	.0354410	-.040772	.0055866	96.21888	.1211219
#2	.0119441	-.014363	.0341689	-.044651	.0063052	97.08253	.1211722
#3	.0120577	-.013116	.0326584	-.040884	.0056741	97.46103	.1234244

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043020	.0075086	91.32630	.0236836	.2426008	.8485313	327.6060
Stddev	.0000629	.0004711	.67244	.0002583	.0033844	.0088507	.7015
%RSD	1.461401	6.274211	.7363081	1.090472	1.395071	1.043065	.2141359
#1	.0043677	.0075686	90.78889	.0238372	.2447224	.8532644	328.3907
#2	.0042960	.0079469	91.10965	.0233854	.2443824	.8540091	327.3876
#3	.0042423	.0070104	92.08036	.0238282	.2386977	.8383204	327.0396

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.133060	64.99454	.1517708	.0079370	13.09400	1.236808	.5075718
Stddev	.023244	.47472	.0022064	.0004264	.06435	.009331	.0026852
%RSD	.7418981	.7303965	1.453766	5.372603	.4914634	.7544234	.5290258
#1	3.110280	64.48154	.1527006	.0077214	13.13463	1.229240	.5099578
#2	3.132157	65.08377	.1533602	.0084282	13.12757	1.233951	.5080936
#3	3.156742	65.41831	.1492517	.0076614	13.01981	1.247234	.5046640

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.479687	.4606571	.0054775	.0238109	8.399423	2.608052	9.794122
Stddev	.020599	.0006305	.0002646	.0002262	.059950	.011646	.117249
%RSD	1.392130	.1368611	4.831155	.9500753	.7137450	.4465403	1.197137
#1	1.488696	.4613796	.0057788	.0235636	8.348299	2.615991	9.764290
#2	1.456118	.4603726	.0053706	.0238616	8.384564	2.613483	9.923405
#3	1.494247	.4602189	.0052831	.0240075	8.465405	2.594683	9.694670

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3519-21 Acquired: 8/15/2024 13:37:32 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.433335	1.814471	-.096735
Stddev	.061207	.027061	.001935
%RSD	1.380604	1.491380	2.000050
#1	4.460023	1.799019	-.098871
#2	4.476665	1.798677	-.096237
#3	4.363315	1.845718	-.095099

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3516.543	124935.2	11982.57	4991.922	5021.187
Stddev	28.275	241.7	99.62	30.863	57.997
%RSD	.8040449	.1934411	.8313704	.6182513	1.155036
#1	3500.203	124674.3	12070.87	4970.212	4989.845
#2	3500.233	124979.7	12002.27	4978.303	4985.605
#3	3549.191	125151.5	11874.58	5027.252	5088.111

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3519-23 Acquired: 8/15/2024 13:41:41 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0099808	-.010656	.0290594	-.035442	.0058430	105.5928	.1258103
Stddev	.0005649	.003003	.0014036	.000920	.0011239	.6558	.0009435
%RSD	5.659501	28.18564	4.830065	2.594601	19.23548	.6210799	.7499139
#1	.0093300	-.007189	.0279565	-.034382	.0067416	104.8499	.1248020
#2	.0102693	-.012298	.0306393	-.036027	.0062047	105.8372	.1259570
#3	.0103432	-.012480	.0285824	-.035917	.0045828	106.0914	.1266718

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036913	.0054352	90.88911	.0316317	.2244703	.7500674	314.6598
Stddev	.0000207	.0008591	.52971	.0002571	.0056844	.0174279	1.5103
%RSD	.5596167	15.80620	.5828107	.8129633	2.532361	2.323507	.4799787
#1	.0036680	.0044549	90.44903	.0313756	.2181977	.7306898	315.1314
#2	.0037073	.0060568	90.74126	.0316296	.2292809	.7644586	312.9700
#3	.0036988	.0057939	91.47704	.0318899	.2259321	.7550537	315.8780

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.649177	62.56249	.1545732	.0092019	16.14450	1.028174	.4531040
Stddev	.016889	.42781	.0039592	.0001254	.02381	.009650	.0018268
%RSD	.6375093	.6838137	2.561398	1.362845	.1474654	.9385470	.4031658
#1	2.630986	62.09112	.1501202	.0090670	16.11964	1.017168	.4552078
#2	2.652184	62.67020	.1576963	.0092237	16.14677	1.032175	.4521844
#3	2.664359	62.92616	.1559030	.0093150	16.16710	1.035180	.4519198

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.397990	.2062647	.0043267	.0288745	8.044299	3.035955	8.847229
Stddev	.015699	.0005818	.0000783	.0006028	.049002	.017034	.175406
%RSD	.6546800	.2820466	1.809716	2.087802	.6091503	.5610689	1.982609
#1	2.415849	.2069353	.0042441	.0286125	8.000970	3.049083	8.647085
#2	2.391756	.2059638	.0043362	.0284469	8.034450	3.016707	8.974211
#3	2.386366	.2058950	.0043999	.0295640	8.097477	3.042075	8.920390

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3519-23 Acquired: 8/15/2024 13:41:41 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.270460	1.665359	-.079088
Stddev	.098391	.031266	.001875
%RSD	2.303984	1.877409	2.370938
#1	4.159492	1.633202	-.081004
#2	4.347047	1.667225	-.077257
#3	4.304841	1.695650	-.079001

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3394.946	120161.1	12208.77	4836.312	4945.628
Stddev	46.306	283.5	63.60	16.057	91.252
%RSD	1.363956	.2359439	.5209409	.3320074	1.845096
#1	3447.139	119934.1	12280.83	4817.891	5048.221
#2	3358.796	120478.9	12184.98	4843.694	4873.526
#3	3378.901	120070.4	12160.49	4847.350	4915.137

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3519-25 Acquired: 8/15/2024 13:45:52 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0454828	-.014724	.0764427	-.044283	.0077419	121.5175
Stddev	.0010446	.001024	.0016070	.000927	.0007950	.7332
%RSD	2.296769	6.954654	2.102278	2.093092	10.26923	.6033580
#1	.0445579	-.014899	.0746434	-.043988	.0083251	120.8904
#2	.0466159	-.013624	.0777354	-.045321	.0080642	121.3385
#3	.0452748	-.015650	.0769494	-.043539	.0068363	122.3236

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3884571	.0057357	.0088541	241.1933	.0876455	.2266698
Stddev	.0025813	.0000629	.0002381	1.4828	.0005189	.0003496
%RSD	.6644915	1.096563	2.689133	.6147711	.5920768	.1542240
#1	.3865849	.0056746	.0086793	239.7544	.0877626	.2269551
#2	.3873847	.0057323	.0091252	241.1092	.0870780	.2267745
#3	.3914017	.0058003	.0087576	242.7164	.0880959	.2262799

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7087370	340.7837	4.265876	70.00808	.1890316	.0084948
Stddev	.0019089	.8896	.026648	.36543	.0008045	.0001091
%RSD	.2693416	.2610313	.6246702	.5219833	.4255798	1.284415
#1	.7090448	340.4726	4.242099	69.65607	.1883025	.0086000
#2	.7104733	340.0914	4.260850	69.98258	.1898947	.0083822
#3	.7066929	341.7870	4.294679	70.38559	.1888976	.0085022

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.29780	1.125392	.6145404	6.165668	.4576389	.0071641
Stddev	.03628	.007245	.0019320	.023381	.0026435	.0003532
%RSD	.3211203	.6437321	.3143830	.3792067	.5776342	4.930686
#1	11.30097	1.117085	.6130980	6.141878	.4552723	.0070801
#2	11.26005	1.130400	.6137877	6.166509	.4571527	.0075517
#3	11.33240	1.128692	.6167355	6.188617	.4604918	.0068604

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3519-25 Acquired: 8/15/2024 13:45:52 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0101111	8.383709	9.323448	8.477095	F 13.41628	3.457159
Stddev	.0003742	.054033	.023616	.024732	.03800	.036344
%RSD	3.701164	.6444969	.2533012	.2917545	.2832159	1.051278
#1	.0098826	8.334095	9.316663	8.450411	13.38246	3.421671
#2	.0105430	8.375753	9.303966	8.499250	13.45740	3.455503
#3	.0099077	8.441278	9.349714	8.481623	13.40899	3.494303

Elem	Sr4077
Units	ppm
Avg	.2015801
Stddev	.0023521
%RSD	1.166854
#1	.1992807
#2	.2014779
#3	.2039816

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3435.292	122351.6	12174.84	4861.017	4896.091
Stddev	5.360	394.5	90.25	31.112	9.865
%RSD	.1560150	.3224560	.7413060	.6400283	.2014931
#1	3441.477	122654.6	12265.48	4885.475	4906.715
#2	3432.388	122494.7	12174.06	4871.577	4887.220
#3	3432.011	121905.5	12084.98	4826.000	4894.338

Sample Name: P3519-27 Acquired: 8/15/2024 13:50:02 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0194275	-.016431	.0410661	-.045634	.0066219	125.9277
Stddev	.0022062	.003177	.0026868	.001908	.0017891	.2996
%RSD	11.35599	19.33253	6.542578	4.181703	27.01736	.2378947
#1	.0200045	-.017777	.0407332	-.047527	.0079002	125.6020
#2	.0212878	-.018713	.0385613	-.045665	.0073881	125.9896
#3	.0169901	-.012803	.0439038	-.043711	.0045773	126.1915

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1907357	.0048170	.0081925	107.2303	.0514771	.2809661
Stddev	.0004948	.0000620	.0003017	.6351	.0005991	.0004406
%RSD	.2594036	1.287025	3.682377	.5923155	1.163739	.1568102
#1	.1903086	.0047870	.0085380	106.5016	.0508725	.2814613
#2	.1906207	.0047756	.0080585	107.6668	.0520704	.2808192
#3	.1912779	.0048883	.0079811	107.5224	.0514885	.2806177

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8018942	416.8780	3.306409	74.96214	.1791609	.0144647
Stddev	.0009303	2.5290	.012521	.35846	.0002134	.0006405
%RSD	.1160080	.6066445	.3786805	.4781882	.1190894	4.428064
#1	.8025007	414.5045	3.292001	74.55798	.1791083	.0137255
#2	.8008232	419.5381	3.312569	75.08688	.1793956	.0148530
#3	.8023588	416.5915	3.314655	75.24157	.1789787	.0148157

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.03288	1.393116	.6772938	4.572005	.2981699	.0067888
Stddev	.04983	.003781	.0021846	.024200	.0025050	.0001516
%RSD	.2487602	.2713916	.3225531	.5293008	.8401391	2.232340
#1	19.99937	1.394476	.6749264	4.549625	.2961162	.0066663
#2	20.09015	1.396029	.6777228	4.597686	.3009608	.0067419
#3	20.00912	1.388843	.6792320	4.568704	.2974328	.0069583

Sample Name: P3519-27 Acquired: 8/15/2024 13:50:02 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0193407	F 11.34263	3.677109	F 10.16827	6.054584	2.076019
Stddev	.0000845	.04991	.014423	.02605	.013560	.011830
%RSD	.4367144	.4400356	.3922302	.2562204	.2239703	.5698449
#1	.0193558	11.28517	3.692898	10.18899	6.068545	2.086933
#2	.0192498	11.36748	3.673802	10.17679	6.053743	2.077677
#3	.0194167	11.37524	3.664627	10.13902	6.041463	2.063448

Elem	Sr4077
Units	ppm
Avg	-.159242
Stddev	.001947
%RSD	1.222360
#1	-.157712
#2	-.161433
#3	-.158580

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3671.451	126199.7	13415.77	5015.897	5160.230
Stddev	5.886	402.6	19.15	.712	8.684
%RSD	.1603312	.3190092	.1427404	.0141881	.1682790
#1	3670.057	126476.5	13435.89	5016.270	5151.498
#2	3677.910	125737.8	13413.65	5015.077	5168.864
#3	3666.387	126384.6	13397.77	5016.346	5160.327

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3519-29 Acquired: 8/15/2024 13:54:11 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0602567	-.013954	.0961914	-.049345	.0069801	130.8871
Stddev	.0004241	.001253	.0005276	.001804	.0013433	.4205
%RSD	.7038916	8.979643	.5485037	3.655578	19.24522	.3212701
#1	.0607433	-.013159	.0966740	-.051378	.0078343	130.5925
#2	.0599648	-.013305	.0956281	-.047937	.0054317	130.7001
#3	.0600621	-.015399	.0962722	-.048718	.0076742	131.3687

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5125730	.0063471	.0106017	253.0854	.1123944	.2442342
Stddev	.0019290	.0000598	.0001392	.7797	.0006471	.0007411
%RSD	.3763352	.9423871	1.312674	.3080652	.5757601	.3034323
#1	.5115957	.0062793	.0107185	252.4612	.1123062	.2433810
#2	.5113283	.0063695	.0106390	252.8358	.1130811	.2446035
#3	.5147951	.0063925	.0104478	253.9593	.1117959	.2447181

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7726495	391.9014	4.575714	75.15152	.2196525	.0105854
Stddev	.0025836	.6007	.013613	.13480	.0014194	.0003421
%RSD	.3343754	.1532712	.2975063	.1793719	.6462012	3.231618
#1	.7711075	391.3984	4.571296	75.11777	.2181735	.0102602
#2	.7712089	391.7393	4.564859	75.03679	.2197801	.0105539
#3	.7756322	392.5665	4.590987	75.29998	.2210037	.0109422

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.52683	1.177238	.6880464	7.274167	.3050069	.0143342
Stddev	.04108	.002286	.0024769	.044893	.0011066	.0002947
%RSD	.3563947	.1941915	.3599939	.6171602	.3628202	2.055728
#1	11.49767	1.175197	.6877846	7.242927	.3060437	.0146741
#2	11.50901	1.179709	.6857107	7.253961	.3051354	.0141765
#3	11.57381	1.176809	.6906438	7.325612	.3038417	.0141519

Sample Name: P3519-29 Acquired: 8/15/2024 13:54:11 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0338295	9.290978	6.760302	9.216820	F 39.49457	3.610013
Stddev	.0006378	.036150	.018413	.101179	.05764	.019026
%RSD	1.885298	.3890833	.2723751	1.097767	.1459430	.5270235
#1	.0331079	9.263130	6.758531	9.146236	39.42807	3.631402
#2	.0343177	9.277973	6.742838	9.171486	39.52547	3.603663
#3	.0340628	9.331831	6.779537	9.332739	39.53018	3.594975

Elem	Sr4077
Units	ppm
Avg	.3508429
Stddev	.0027475
%RSD	.7831186
#1	.3489747
#2	.3495564
#3	.3539977

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3481.700	125824.9	12649.98	4955.482	4950.539
Stddev	4.010	219.0	32.66	26.649	3.592
%RSD	.1151704	.1740594	.2581911	.5377686	.0725670
#1	3478.851	125851.1	12650.17	4944.697	4953.992
#2	3486.286	126029.6	12682.55	4985.833	4946.822
#3	3479.963	125593.9	12617.23	4935.917	4950.805

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3548-12 Acquired: 8/15/2024 13:58:21 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0789204	-.015983	14.96697	-.033654	.0598735	80.93441
Stddev	.0008821	.001136	.04931	.001137	.0008229	.29513
%RSD	1.117757	7.110390	.3294761	3.378243	1.374463	.3646563
#1	.0785166	-.014921	14.92599	-.034878	.0597548	80.69571
#2	.0799322	-.015847	14.95324	-.032631	.0607494	80.84313
#3	.0783125	-.017182	15.02170	-.033453	.0591164	81.26440

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.663664	.0064212	.0218389	59.61209	.2365554	.1755515
Stddev	.006395	.0000312	.0001359	.14409	.0013491	.0005833
%RSD	.3844180	.4862524	.6222128	.2417152	.5703195	.3322489
#1	1.657813	.0063932	.0218008	59.59156	.2355916	.1752216
#2	1.662687	.0064155	.0217262	59.47936	.2359774	.1752079
#3	1.670491	.0064549	.0219898	59.76535	.2380972	.1762249

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.770564	276.6099	4.356027	42.11065	.5537096	.0161507
Stddev	.004102	1.0719	.014966	.11128	.0013143	.0003774
%RSD	.2316628	.3875036	.3435705	.2642630	.2373609	2.336831
#1	1.768688	275.4180	4.345935	42.00301	.5528187	.0158931
#2	1.767736	276.9172	4.348925	42.10369	.5530911	.0165839
#3	1.775269	277.4946	4.373222	42.22525	.5552191	.0159751

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.946902	.5637746	3.197118	11.75910	.1840189	.0325287
Stddev	.017382	.0013202	.008258	.01820	.0006104	.0002921
%RSD	.5898260	.2341759	.2583092	.1547897	.3316845	.8980981
#1	2.928444	.5645650	3.197561	11.73943	.1833906	.0328416
#2	2.949306	.5622505	3.188647	11.76253	.1846096	.0322631
#3	2.962957	.5645084	3.205146	11.77534	.1840566	.0324815

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3548-12 Acquired: 8/15/2024 13:58:21 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8152939	5.267380	4.650633	F 13.65741	2.792002	2.413374
Stddev	.0024497	.016926	.019965	.02734	.007189	.017756
%RSD	.3004696	.3213431	.4293036	.2001550	.2574718	.7357288
#1	.8125752	5.263019	4.627991	13.64814	2.783751	2.427068
#2	.8173297	5.253061	4.658196	13.63591	2.796906	2.393312
#3	.8159768	5.286060	4.665712	13.68817	2.795351	2.419742

Elem	Sr4077
Units	ppm
Avg	-.091131
Stddev	.000765
%RSD	.8398589
#1	-.090247
#2	-.091559
#3	-.091586

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4058.218	149764.1	14978.95	5917.672	5091.163
Stddev	6.061	483.3	51.27	13.211	15.781
%RSD	.1493623	.3226965	.3422711	.2232532	.3099677
#1	4064.261	150281.3	14998.53	5917.772	5104.898
#2	4058.255	149687.0	15017.54	5930.832	5094.668
#3	4052.139	149323.9	14920.77	5904.410	5073.925

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3548-12DUP Acquired: 8/15/2024 14:02:29 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0772309	-.015184	14.83033	-.031000	.0587600	83.91174
Stddev	.0011853	.002838	.04372	.001417	.0015499	.67221
%RSD	1.534712	18.68784	.2948059	4.571183	2.637634	.8010922
#1	.0769830	-.016617	14.86036	-.032596	.0576995	83.47241
#2	.0761892	-.017021	14.78017	-.029890	.0605387	83.57723
#3	.0785205	-.011916	14.85046	-.030514	.0580418	84.68558

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.655783	.0068916	.0228003	60.47627	.2383906	.1727400
Stddev	.016488	.0001169	.0001195	.53536	.0012589	.0002284
%RSD	.9957721	1.696579	.5241851	.8852426	.5280696	.1322311
#1	1.643670	.0067704	.0227255	60.09219	.2374856	.1729866
#2	1.649119	.0069007	.0229381	60.24882	.2378579	.1725357
#3	1.674560	.0070037	.0227372	61.08780	.2398282	.1726976

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.746533	266.3359	4.458521	43.81845	.5458815	.0149603
Stddev	.005351	1.8944	.042852	.39604	.0015472	.0002362
%RSD	.3063744	.7112804	.9611334	.9038156	.2834252	1.578834
#1	1.752271	264.6429	4.427183	43.56725	.5473212	.0147002
#2	1.741679	265.9829	4.441027	43.61311	.5442456	.0150193
#3	1.745651	268.3820	4.507352	44.27499	.5460776	.0151615

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.892111	.5744290	3.221488	11.50527	.1529319	.0319129
Stddev	.020342	.0062192	.021732	.06669	.0017336	.0000863
%RSD	.7033554	1.082676	.6746102	.5796120	1.133604	.2705329
#1	2.882370	.5708953	3.208552	11.43664	.1514841	.0318133
#2	2.878470	.5707815	3.209334	11.50936	.1548530	.0319581
#3	2.915491	.5816100	3.246578	11.56982	.1524585	.0319672

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3548-12DUP Acquired: 8/15/2024 14:02:29 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8020663	5.398567	4.714086	F 13.49508	2.761206	2.560290
Stddev	.0015105	.043535	.029945	.04311	.013730	.026253
%RSD	.1883280	.8064110	.6352326	.3194578	.4972442	1.025382
#1	.8037715	5.372136	4.688326	13.54415	2.773990	2.532702
#2	.8008960	5.374751	4.706990	13.46329	2.762935	2.584964
#3	.8015314	5.448814	4.746942	13.47779	2.746694	2.563204

Elem	Sr4077
Units	ppm
Avg	-.079560
Stddev	.000560
%RSD	.7034956
#1	-.078964
#2	-.080075
#3	-.079641

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4108.550	147866.5	13820.10	5875.051	5144.652
Stddev	9.158	445.1	77.24	24.987	10.193
%RSD	.2228974	.3010231	.5588679	.4253018	.1981248
#1	4098.595	148289.1	13873.00	5898.768	5135.662
#2	4116.617	147908.4	13855.82	5877.422	5155.725
#3	4110.437	147401.8	13731.47	5848.963	5142.568

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3548-12LX5 Acquired: 8/15/2024 14:06:39 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0181080	-.002343	3.028293	-.009112	.0141360	19.68296	.4102886
Stddev	.0007711	.000990	.002530	.002084	.0002123	.23530	.0042583
%RSD	4.258573	42.24096	.0835325	22.86845	1.501953	1.195466	1.037889
#1	.0172914	-.003221	3.026019	-.006804	.0143051	19.49302	.4062253
#2	.0188238	-.002537	3.031017	-.010856	.0142052	19.60968	.4099221
#3	.0182089	-.001270	3.027841	-.009675	.0138978	19.94619	.4147183

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017080	.0020980	15.34845	.0626545	.0343214	.4613341	72.95496
Stddev	.0000800	.0000202	.22352	.0002790	.0001607	.0007261	.52352
%RSD	4.685422	.9648067	1.456294	.4452770	.4680749	.1573914	.7175993
#1	.0016564	.0020918	15.14136	.0623591	.0341602	.4621066	72.35653
#2	.0016674	.0020817	15.31859	.0626910	.0343226	.4612299	73.32823
#3	.0018002	.0021207	15.58540	.0629135	.0344815	.4606656	73.18013

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.121039	10.76903	.1100494	.0044221	.7670210	.1418829	.8572598
Stddev	.013489	.11097	.0002198	.0002855	.0132139	.0034770	.0018085
%RSD	1.203239	1.030448	.1997202	6.455722	1.722759	2.450605	.2109666
#1	1.109520	10.67413	.1099576	.0042602	.7601248	.1387655	.8573565
#2	1.117719	10.74192	.1098904	.0047517	.7822564	.1412504	.8554048
#3	1.135877	10.89104	.1103003	.0042543	.7586818	.1456327	.8590180

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.928830	.0516785	.0080993	.1601271	1.337877	1.209230	2.599509
Stddev	.019510	.0004264	.0002012	.0003619	.017985	.010381	.007847
%RSD	.6661312	.8251951	2.484510	.2260180	1.344262	.8584465	.3018698
#1	2.909896	.0519426	.0083031	.1598411	1.321326	1.198604	2.592924
#2	2.927724	.0519064	.0080941	.1605340	1.335291	1.219346	2.608192
#3	2.948869	.0511865	.0079008	.1600063	1.357015	1.209739	2.597410

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3548-12LX5 Acquired: 8/15/2024 14:06:39 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5202357	.6374256	-.026301
Stddev	.0010974	.0602709	.000390
%RSD	.2109418	9.455369	1.482484
#1	.5212548	.6843082	-.026265
#2	.5190740	.5694411	-.026707
#3	.5203783	.6585276	-.025930

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3426.766	114786.1	11657.08	4717.241	5647.028
Stddev	4.574	295.4	118.95	10.267	9.778
%RSD	.1334870	.2573156	1.020431	.2176483	.1731442
#1	3431.058	115103.8	11735.84	4727.365	5657.496
#2	3421.954	114519.8	11715.15	4717.519	5638.132
#3	3427.285	114734.6	11520.25	4706.837	5645.456

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CCV02 Acquired: 8/15/2024 14:10:55 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.839283	5.110825	4.870684	4.914352	4.920101	9.360055
Stddev	.031877	.040244	.031212	.030068	.031170	.078431
%RSD	.6587216	.7874222	.6408121	.6118379	.6335277	.8379379
#1	4.825184	5.092604	4.851050	4.905317	4.913837	9.347403
#2	4.816886	5.082915	4.854326	4.889837	4.892538	9.288719
#3	4.875779	5.156957	4.906674	4.947901	4.953927	9.444043

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.600063	.2494702	2.394753	24.63244	.9489359	2.410720
Stddev	.044144	.0010062	.013562	.14968	.0104758	.012591
%RSD	.4598344	.4033472	.5663098	.6076344	1.103954	.5222719
#1	9.557251	.2488443	2.388603	24.50316	.9409797	2.405971
#2	9.597509	.2489355	2.385355	24.59776	.9450232	2.401195
#3	9.645429	.2506309	2.410299	24.79642	.9608050	2.424994

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.236639	4.987966	2.406516	23.16349	2.425528	1.250697
Stddev	.007658	.058511	.015201	.17455	.013966	.009545
%RSD	.6192609	1.173049	.6316423	.7535714	.5757913	.7631532
#1	1.233121	4.929276	2.393406	23.04853	2.421280	1.241857
#2	1.231372	4.988325	2.402963	23.07759	2.414179	1.249417
#3	1.245424	5.046297	2.423178	23.36435	2.441124	1.260817

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.99591	2.335887	2.522914	24.66394	4.863336	5.032012
Stddev	.27667	.013877	.019190	.32617	.021298	.030621
%RSD	1.153005	.5940660	.7606286	1.322453	.4379394	.6085318
#1	23.77688	2.333763	2.508000	24.34361	4.849395	5.018891
#2	23.90401	2.323195	2.516179	24.65256	4.852760	5.010137
#3	24.30684	2.350703	2.544564	24.99565	4.887852	5.067007

Sample Name: CCV02 Acquired: 8/15/2024 14:10:55 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.801954	4.891112	4.783369	4.619120	4.546853	F .3351322
Stddev	.031437	.023360	.068519	.050938	.036475	.0116487
%RSD	.6546622	.4776056	1.432452	1.102765	.8021930	3.475840
#1	4.784858	4.870732	4.709146	4.592868	4.533164	.3350967
#2	4.782769	4.885998	4.796751	4.586663	4.519204	.3467986
#3	4.838233	4.916605	4.844210	4.677829	4.588192	.3235013

Elem	Sr4077
Units	ppm
Avg	4.864978
Stddev	.019180
%RSD	.3942502
#1	4.843576
#2	4.880612
#3	4.870748

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3217.693	104322.2	10493.11	4298.443	5630.478
Stddev	9.322	962.4	39.04	26.212	17.229
%RSD	.2897105	.9224954	.3720821	.6098002	.3059947
#1	3219.840	105324.8	10530.34	4327.941	5635.109
#2	3225.755	104236.0	10496.50	4289.562	5644.918
#3	3207.485	103405.8	10452.48	4277.825	5611.407

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CCB02 Acquired: 8/15/2024 14:15:14 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001642	-.000887	-.000799	-.000136	.0001201	.0026941
Stddev	.001349	.000600	.000273	.001788	.0003190	.0025284
%RSD	82.18239	67.64709	34.12059	1313.501	265.7500	93.85027
#1	-.001673	-.000967	-.000537	.001795	.0004112	.0043049
#2	-.002975	-.000251	-.000780	-.001733	-.000221	.0039973
#3	-.000277	-.001442	-.001081	-.000471	.000170	-.000220

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014819	.0000425	-.000004	-.007465	.0001136	.0000423
Stddev	.0006063	.0000551	.000041	.002978	.0002367	.0001414
%RSD	40.91716	129.5374	975.0945	39.88490	208.3537	334.2431
#1	.0008823	-.000015	-.000030	-.010886	-.000159	.0001477
#2	.0014685	.000048	-.000026	-.005458	.000232	-.000118
#3	.0020948	.000095	.000043	-.006052	.000267	.000098

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000144	-.000822	-.000252	-.017121	.0002486	.0000094
Stddev	.000190	.001883	.000301	.016771	.0002179	.0004902
%RSD	131.9992	229.1291	119.4262	97.95700	87.64740	5187.216
#1	.000072	-.002649	-.000412	-.015940	.0004979	.0003287
#2	-.000218	-.000927	-.000440	-.000972	.0000946	.0002546
#3	-.000285	.001112	.000095	-.034451	.0001533	-.000555

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010936	.0001129	-.000792	.0020910	.0036939	.0005248
Stddev	.0092630	.0015256	.000071	.0258804	.0005407	.0002777
%RSD	847.0090	1351.029	9.029750	1237.731	14.63683	52.91549
#1	.0110997	-.000987	-.000838	-.027133	.0042148	.0007403
#2	-.007182	-.000529	-.000709	.022112	.0031355	.0006228
#3	-.000636	.001855	-.000828	.011294	.0037314	.0002114

Sample Name: CCB02 Acquired: 8/15/2024 14:15:14 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB02 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000900	-.000010	.0011484	.0001588	-.004026	F .0555552
Stddev	.000351	.000478	.0050232	.0008749	.001286	.0544208
%RSD	38.98896	4757.186	437.4088	551.0047	31.94667	97.95811
#1	-.001306	.000491	-.004564	.0011447	-.005502	.0953690
#2	-.000690	-.000460	.004874	-.000143	-.003149	.0777526
#3	-.000705	-.000061	.003135	-.000525	-.003426	-.006456

Elem	Sr4077
Units	ppm
Avg	-.000042
Stddev	.000063
%RSD	149.2279
#1	-.000108
#2	-.000038
#3	.000018

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3211.100	114978.0	10507.93	4663.024	5780.420
Stddev	30.638	220.2	120.79	9.522	54.776
%RSD	.9541377	.1915385	1.149480	.2042035	.9476193
#1	3209.675	114784.2	10415.45	4662.694	5782.804
#2	3181.199	115217.5	10463.77	4672.707	5724.490
#3	3242.426	114932.2	10644.59	4653.671	5833.965

Sample Name: P3548-12MS Acquired: 8/15/2024 14:19:42 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6098220	1.793733	15.43848	1.264653	.6323777	86.53268
Stddev	.0006701	.011412	.07154	.004237	.0005077	.21397
%RSD	.1098766	.6361961	.4634150	.3349951	.0802775	.2472735
#1	.6091109	1.782667	15.47073	1.267293	.6319322	86.77975
#2	.6099135	1.793069	15.35649	1.259767	.6322706	86.40849
#3	.6104416	1.805461	15.48823	1.266900	.6329304	86.40980

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.805459	.1555696	.1978155	62.28794	.5063835	.3655751
Stddev	.004585	.0009592	.0008477	.45374	.0034784	.0015787
%RSD	.2539444	.6165525	.4285258	.7284485	.6869178	.4318418
#1	1.810394	.1558702	.1978333	62.59905	.5101923	.3662598
#2	1.801332	.1544961	.1969591	61.76730	.5033750	.3637696
#3	1.804650	.1563424	.1986542	62.49746	.5055831	.3666959

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.909202	275.6964	4.626329	45.42147	1.019795	.0708404
Stddev	.006228	1.2196	.022708	.21790	.003922	.0002771
%RSD	.3261874	.4423592	.4908456	.4797221	.3846260	.3912069
#1	1.908406	276.9708	4.644879	45.59134	1.021444	.0710228
#2	1.903410	274.5403	4.601005	45.17580	1.015317	.0709769
#3	1.915789	275.5779	4.633105	45.49727	1.022623	.0705215

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.235768	.7844400	3.458775	19.26603	.3694892	.3242827
Stddev	.027243	.0049979	.008644	.08592	.0036075	.0011234
%RSD	.5203158	.6371285	.2499233	.4459477	.9763513	.3464342
#1	5.234988	.7901943	3.464751	19.35327	.3717433	.3235264
#2	5.263392	.7819434	3.448863	19.26333	.3653284	.3237480
#3	5.208924	.7811823	3.462711	19.18150	.3713958	.3255736

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3548-12MS Acquired: 8/15/2024 14:19:42 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.457184	5.607264	5.541422	F 18.40049	2.822103	5.605504
Stddev	.002123	.032168	.014745	.06497	.004771	.020559
%RSD	.1456830	.5736845	.2660823	.3530743	.1690743	.3667645
#1	1.458371	5.629667	5.547203	18.44992	2.819532	5.627712
#2	1.454733	5.570404	5.552400	18.32690	2.819168	5.601664
#3	1.458448	5.621721	5.524663	18.42464	2.827608	5.587136

Elem	Sr4077
Units	ppm
Avg	.0505508
Stddev	.0005859
%RSD	1.159097
#1	.0498742
#2	.0508880
#3	.0508902

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4142.107	140914.8	13498.89	5655.159	5165.124
Stddev	9.907	732.8	103.92	20.009	18.435
%RSD	.2391704	.5200633	.7698709	.3538166	.3569097
#1	4142.629	140359.3	13449.70	5656.312	5160.517
#2	4151.742	141745.4	13618.28	5674.566	5185.426
#3	4131.949	140639.7	13428.69	5634.598	5149.430

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3548-12MSD Acquired: 8/15/2024 14:23:46 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6112512	1.711786	15.38262	1.265180	.6237881	82.36622
Stddev	.0007331	.009589	.01368	.004174	.0025476	.19914
%RSD	.1199398	.5601595	.0889093	.3298962	.4084113	.2417710
#1	.6114861	1.701789	15.36834	1.261463	.6221729	82.30275
#2	.6118380	1.720907	15.38391	1.269695	.6224664	82.20656
#3	.6104294	1.712664	15.39560	1.264382	.6267249	82.58936

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.756522	.1436100	.1962361	59.94442	.4892383	.3608675
Stddev	.003698	.0012732	.0002561	.27303	.0008018	.0011257
%RSD	.2105158	.8865363	.1305258	.4554754	.1638818	.3119349
#1	1.756275	.1443640	.1961530	59.95125	.4884533	.3598968
#2	1.752954	.1421401	.1960318	59.66803	.4900558	.3606044
#3	1.760337	.1443260	.1965235	60.21397	.4892059	.3621015

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.895081	268.8419	4.436807	43.50962	1.009547	.0682339
Stddev	.002514	1.8649	.015769	.20065	.000911	.0001074
%RSD	.1326356	.6936671	.3554033	.4611526	.0902432	.1574586
#1	1.894240	267.3761	4.435198	43.57529	1.009327	.0681319
#2	1.893095	270.9410	4.421905	43.28437	1.008766	.0682236
#3	1.897907	268.2087	4.453319	43.66921	1.010548	.0683461

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.872452	.7522572	3.233855	18.38255	.3539809	.3163460
Stddev	.036272	.0017505	.005615	.12991	.0032286	.0007066
%RSD	.7444384	.2327042	.1736472	.7066903	.9120890	.2233710
#1	4.855791	.7540690	3.232407	18.28578	.3540512	.3155323
#2	4.914062	.7505752	3.240053	18.53020	.3571738	.3167006
#3	4.847504	.7521273	3.229105	18.33169	.3507177	.3168051

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3548-12MSD Acquired: 8/15/2024 14:23:46 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.435395	5.466052	5.733404	F 18.72301	2.697033	5.138719
Stddev	.001540	.021970	.038142	.02204	.008561	.022309
%RSD	.1073028	.4019432	.6652665	.1177413	.3174309	.4341400
#1	1.433904	5.469669	5.717174	18.70301	2.687694	5.136810
#2	1.435302	5.442498	5.776978	18.74665	2.698894	5.117425
#3	1.436980	5.485990	5.706061	18.71937	2.704510	5.161921

Elem	Sr4077
Units	ppm
Avg	.0468684
Stddev	.0021770
%RSD	4.644841
#1	.0481852
#2	.0443557
#3	.0480645

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4159.865	150362.5	14589.28	5990.833	5166.626
Stddev	6.020	695.5	88.83	38.458	8.304
%RSD	.1447072	.4625216	.6088435	.6419483	.1607205
#1	4163.773	150876.6	14545.94	6005.800	5170.400
#2	4162.889	149571.2	14691.46	5947.141	5172.372
#3	4152.933	150639.7	14530.45	6019.557	5157.105

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3548-12A Acquired: 8/15/2024 14:27:49 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6056926	1.753202	15.66962	1.250098	.6170516	85.70777
Stddev	.0036538	.023474	.05934	.004239	.0037622	.08900
%RSD	.6032405	1.338911	.3787106	.3390908	.6097097	.1038441
#1	.6096443	1.767351	15.73793	1.254118	.6213481	85.61710
#2	.6049966	1.726106	15.64020	1.245670	.6154597	85.79501
#3	.6024369	1.766150	15.63074	1.250506	.6143470	85.71121

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.771999	.1495850	.1998424	60.92755	.4929624	.3664961
Stddev	.004268	.0005937	.0010646	.11254	.0018426	.0010679
%RSD	.2408755	.3968664	.5327308	.1847060	.3737730	.2913846
#1	1.768277	.1498037	.2009851	60.94605	.4908587	.3674690
#2	1.776658	.1500383	.1996639	61.02969	.4942899	.3666659
#3	1.771062	.1489130	.1988784	60.80691	.4937385	.3653535

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.891557	265.4634	4.520249	44.92378	1.022334	.0677020
Stddev	.003528	1.3010	.004107	.07224	.004256	.0002333
%RSD	.1865277	.4900789	.0908480	.1607977	.4163354	.3446626
#1	1.894784	264.9233	4.519255	44.92455	1.026647	.0674344
#2	1.892099	264.5195	4.524761	44.99563	1.022220	.0678079
#3	1.887790	266.9475	4.516730	44.85116	1.018136	.0678635

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.884320	.7679294	3.277665	18.29770	.3450555	.3164786
Stddev	.027828	.0028969	.004908	.06017	.0010321	.0007273
%RSD	.5697361	.3772310	.1497405	.3288213	.2991139	.2298079
#1	4.857665	.7684933	3.273483	18.26886	.3443306	.3172351
#2	4.882108	.7705029	3.276443	18.25738	.3445988	.3164163
#3	4.913188	.7647921	3.283068	18.36686	.3462372	.3157845

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3548-12A Acquired: 8/15/2024 14:27:49 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.453692	5.662273	6.224137	F 19.11619	2.738945	5.443220
Stddev	.007426	.012951	.025307	.14047	.016672	.038756
%RSD	.5108464	.2287165	.4065981	.7348479	.6087029	.7120051
#1	1.461590	5.658965	6.213717	19.27838	2.758065	5.401298
#2	1.446851	5.676557	6.205704	19.03695	2.731324	5.477743
#3	1.452633	5.651298	6.252991	19.03324	2.727445	5.450620

Elem	Sr4077
Units	ppm
Avg	.0545265
Stddev	.0017747
%RSD	3.254800
#1	.0545738
#2	.0562771
#3	.0527286

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4191.367	149311.6	13969.58	5922.623	5120.510
Stddev	13.345	462.2	36.79	24.146	22.140
%RSD	.3183891	.3095551	.2633700	.4076887	.4323805
#1	4181.141	149649.9	13977.18	5921.382	5100.106
#2	4186.498	149500.0	13929.58	5947.366	5117.370
#3	4206.463	148785.0	14001.97	5899.122	5144.052

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3520-02 Acquired: 8/15/2024 14:31:52 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0093246	-.013028	.0353383	-.038430	.0037939	92.22404
Stddev	.0006509	.000389	.0038757	.001262	.0013938	.08724
%RSD	6.980654	2.984792	10.96753	3.285023	36.73713	.0945920
#1	.0087143	-.013401	.0335112	-.038814	.0021890	92.16177
#2	.0092498	-.013060	.0397899	-.037021	.0044924	92.18660
#3	.0100097	-.012625	.0327139	-.039457	.0047004	92.32375

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1913075	.0036180	.0100238	186.8272	.0272261	.2375584
Stddev	.0008976	.0000591	.0001600	1.0183	.0001659	.0018751
%RSD	.4692027	1.634008	1.595915	.5450500	.6094250	.7893394
#1	.1904672	.0036703	.0101605	185.6665	.0273424	.2396483
#2	.1912021	.0036297	.0100629	187.2447	.0272997	.2370036
#3	.1922531	.0035539	.0098479	187.5704	.0270360	.2360232

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4686183	296.8208	4.745739	96.77871	.1473423	.0071887
Stddev	.0034313	.5239	.011954	.22577	.0015343	.0001330
%RSD	.7322097	.1765056	.2518948	.2332837	1.041346	1.849706
#1	.4720139	297.3860	4.733605	96.73445	.1486774	.0070370
#2	.4686885	296.3514	4.746107	96.57835	.1476834	.0072852
#3	.4651524	296.7250	4.757504	97.02333	.1456661	.0072438

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	30.45748	.5007074	1.167893	2.960868	1.188106	-.001848
Stddev	.15803	.0004673	.005038	.011000	.000936	.000226
%RSD	.5188580	.0933243	.4314142	.3715233	.0787810	12.23209
#1	30.63798	.5002013	1.164501	2.948170	1.187301	-.001610
#2	30.39044	.5007984	1.165495	2.966932	1.187884	-.001873
#3	30.34402	.5011224	1.173683	2.967500	1.189133	-.002060

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3520-02 Acquired: 8/15/2024 14:31:52 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.009039	.0763242	F 47.88225	F 10.45165	F 819.1570	2.379765
Stddev	.000806	.0012151	.19256	.06751	6.5248	.015417
%RSD	8.918597	1.592070	.4021450	.6458936	.7965220	.6478452
#1	-.009882	.0749336	48.08631	10.52678	826.5018	2.379992
#2	-.008959	.0771810	47.70375	10.43206	816.9386	2.395068
#3	-.008275	.0768581	47.85669	10.39610	814.0308	2.364236

Elem	Sr4077
Units	ppm
Avg	.1661604
Stddev	.0019195
%RSD	1.155228
#1	.1639446
#2	.1673161
#3	.1672205

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3595.458	131387.9	12552.76	5161.204	4818.287
Stddev	16.355	422.5	29.80	4.607	31.296
%RSD	.4548811	.3215840	.2374292	.0892628	.6495233
#1	3577.964	130984.0	12578.22	5166.177	4783.315
#2	3598.045	131352.8	12519.98	5157.081	4827.887
#3	3610.366	131826.8	12560.08	5160.354	4843.658

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3520-04 Acquired: 8/15/2024 14:36:05 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0150444	-.014693	.0383561	-.033635	.0054054	96.69305
Stddev	.0010045	.000832	.0012972	.002013	.0006367	1.37523
%RSD	6.676746	5.662545	3.382071	5.985792	11.77857	1.422265
#1	.0161088	-.014935	.0389225	-.033513	.0049396	95.25322
#2	.0141131	-.015378	.0368720	-.031686	.0051459	97.99299
#3	.0149113	-.013767	.0392738	-.035707	.0061309	96.83294

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1852817	.0035946	.0108983	198.1653	.0322227	.2689428
Stddev	.0029394	.0000307	.0001668	3.3977	.0003146	.0008158
%RSD	1.586428	.8548005	1.530501	1.714563	.9763612	.3033333
#1	.1825260	.0035930	.0110670	194.4958	.0324278	.2697710
#2	.1883755	.0036260	.0108943	201.2023	.0323798	.2681400
#3	.1849435	.0035646	.0107335	198.7978	.0318605	.2689174

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4447273	342.2125	5.022037	107.4821	.1805116	.0121686
Stddev	.0028554	.8801	.074851	1.4304	.0002085	.0002458
%RSD	.6420567	.2571698	1.490444	1.330793	.1154771	2.019710
#1	.4479434	343.0907	4.941008	105.9339	.1802822	.0120918
#2	.4424901	342.2161	5.088596	108.7544	.1806894	.0124436
#3	.4437485	341.3306	5.036508	107.7581	.1805633	.0119704

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	47.64200	.5669402	1.313080	3.689551	1.295836	-.000954
Stddev	.25520	.0063203	.008183	.014504	.012486	.000124
%RSD	.5356552	1.114816	.6231768	.3931117	.9635514	13.03802
#1	47.90262	.5616094	1.311094	3.689241	1.284491	-.000849
#2	47.63079	.5739222	1.322073	3.704208	1.309213	-.000923
#3	47.39259	.5652889	1.306073	3.675204	1.293804	-.001091

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3520-04 Acquired: 8/15/2024 14:36:05 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.008241	.1244353	F 51.28383	F 13.06142	F 839.3061	2.472475
Stddev	.000477	.0025571	.19164	.01917	3.1419	.069950
%RSD	5.792341	2.054977	.3736794	.1467707	.3743413	2.829162
#1	-.007698	.1215003	51.50094	13.08090	842.8568	2.391725
#2	-.008593	.1261823	51.21229	13.04257	836.8861	2.514480
#3	-.008434	.1256233	51.13824	13.06081	838.1754	2.511220

Elem	Sr4077
Units	ppm
Avg	.1186044
Stddev	.0073505
%RSD	6.197528
#1	.1107252
#2	.1252770
#3	.1198110

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3929.514	131466.0	13289.63	5191.289	5105.436
Stddev	21.748	815.9	167.77	27.384	26.535
%RSD	.5534462	.6205988	1.262408	.5274934	.5197448
#1	3905.886	130673.6	13454.29	5184.678	5078.629
#2	3948.694	131421.0	13118.91	5167.816	5131.691
#3	3933.962	132303.5	13295.70	5221.373	5105.987

Sample Name: P3520-06 Acquired: 8/15/2024 14:40:18 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0103208	-.018683	.0353396	-.040269	.0057076	94.64174
Stddev	.0014102	.001209	.0015812	.002707	.0023998	.13648
%RSD	13.66375	6.472400	4.474369	6.723374	42.04583	.1442049
#1	.0091546	-.017444	.0342001	-.042298	.0048278	94.62872
#2	.0118881	-.018745	.0371448	-.041313	.0038719	94.78426
#3	.0099197	-.019860	.0346738	-.037195	.0084232	94.51224

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1421831	.0042168	.0142665	124.8790	.0219431	.2023878
Stddev	.0012818	.0000685	.0003589	.0789	.0002070	.0015911
%RSD	.9014868	1.623937	2.515603	.0632081	.9432069	.7861590
#1	.1414003	.0042532	.0139193	124.8006	.0220920	.2006408
#2	.1436623	.0041379	.0142441	124.8780	.0220305	.2027689
#3	.1414868	.0042594	.0146360	124.9585	.0217067	.2037538

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2546445	367.5003	3.514584	112.7018	.1843338	.0116065
Stddev	.0043809	1.2901	.001877	.1404	.0011525	.0000555
%RSD	1.720380	.3510527	.0534195	.1245941	.6252380	.4778503
#1	.2500230	368.6293	3.516274	112.8339	.1830054	.0116686
#2	.2551739	367.7774	3.512563	112.5543	.1850670	.0115891
#3	.2587366	366.0941	3.514915	112.7173	.1849291	.0115618

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	36.17952	.5934914	1.066385	2.750644	.9344787	-.002033
Stddev	.20259	.0037624	.003261	.002819	.0038405	.000071
%RSD	.5599608	.6339478	.3057954	.1024856	.4109774	3.498417
#1	36.33009	.5904382	1.068512	2.749266	.9378792	-.001960
#2	36.25929	.5923415	1.062630	2.753887	.9352437	-.002037
#3	35.94919	.5976946	1.068012	2.748779	.9303133	-.002102

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3520-06 Acquired: 8/15/2024 14:40:18 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.006483	.4128460	F 41.61727	F 15.61550	F 1228.322	2.317050
Stddev	.000240	.0011910	.22099	.08333	6.869	.020030
%RSD	3.703128	.2884848	.5310137	.5336144	.5592304	.8644542
#1	-.006712	.4133739	41.79214	15.52246	1221.203	2.338215
#2	-.006503	.4136819	41.69079	15.64075	1228.853	2.314543
#3	-.006234	.4114823	41.36889	15.68327	1234.910	2.298392

Elem	Sr4077
Units	ppm
Avg	-.003483
Stddev	.001401
%RSD	40.21800
#1	-.005086
#2	-.002865
#3	-.002497

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3876.469	135969.2	13129.24	5369.090	4990.210
Stddev	18.429	671.2	34.84	15.525	30.335
%RSD	.4753973	.4936621	.2653776	.2891477	.6078818
#1	3897.747	135230.9	13093.23	5353.159	5024.930
#2	3865.591	136133.9	13162.78	5384.173	4976.860
#3	3866.071	136542.7	13131.72	5369.938	4968.840

Sample Name: P3520-08 Acquired: 8/15/2024 14:44:30 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058200	-.011170	.0301522	-.032808	.0031276	76.31876
Stddev	.0015639	.001731	.0017963	.000796	.0010051	.06995
%RSD	26.87175	15.49271	5.957297	2.426340	32.13510	.0916561
#1	.0060738	-.009319	.0318708	-.033187	.0041506	76.24006
#2	.0041447	-.012747	.0282873	-.031894	.0021414	76.37383
#3	.0072415	-.011446	.0302986	-.033344	.0030909	76.34240

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1394806	.0031620	.0081119	127.8861	.0197976	.1718615
Stddev	.0010430	.0000482	.0000608	.2331	.0001890	.0004697
%RSD	.7477537	1.523717	.7490819	.1822553	.9545659	.2732965
#1	.1387306	.0031323	.0081330	127.6516	.0200072	.1714418
#2	.1390395	.0032176	.0080434	127.8890	.0196403	.1717738
#3	.1406716	.0031361	.0081592	128.1177	.0197452	.1723688

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2968116	280.2271	3.250538	91.76226	.1512610	.0086241
Stddev	.0009111	.8794	.005161	.21966	.0007436	.0000957
%RSD	.3069640	.3138230	.1587695	.2393783	.4916118	1.109611
#1	.2966955	279.3374	3.246647	91.60174	.1506885	.0087061
#2	.2959641	280.2481	3.248573	91.67245	.1509929	.0085190
#3	.2977752	281.0959	3.256392	92.01259	.1521014	.0086471

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	38.32644	.4991349	.9716435	2.512301	.7152305	-.001994
Stddev	.07418	.0021398	.0021501	.012720	.0015883	.000018
%RSD	.1935438	.4286957	.2212807	.5063227	.2220614	.9278185
#1	38.24164	.4994941	.9731592	2.498216	.7146499	-.002010
#2	38.35839	.5010723	.9725886	2.522951	.7140142	-.001999
#3	38.37929	.4968383	.9691828	2.515736	.7170273	-.001974

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3520-08 Acquired: 8/15/2024 14:44:30 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.009374	.1819632	F 32.84932	F 11.07358	F 828.1046	2.028754
Stddev	.000192	.0012904	.10065	.07826	3.6450	.030976
%RSD	2.049762	.7091287	.3064068	.7067330	.4401563	1.526872
#1	-.009592	.1811951	32.74347	10.98812	824.0589	1.996423
#2	-.009232	.1812416	32.86068	11.09085	829.1223	2.058170
#3	-.009297	.1834529	32.94382	11.14176	831.1325	2.031668

Elem	Sr4077
Units	ppm
Avg	.0846719
Stddev	.0003509
%RSD	.4143715
#1	.0846773
#2	.0850200
#3	.0843183

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3695.174	129595.2	12378.98	5125.491	5094.915
Stddev	7.150	356.3	46.09	19.224	.615
%RSD	.1934945	.2749116	.3723029	.3750616	.0120660
#1	3686.923	129235.5	12331.93	5126.249	5094.300
#2	3699.567	129602.0	12380.97	5105.900	5095.529
#3	3699.031	129948.0	12424.04	5144.325	5094.915

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3520-10 Acquired: 8/15/2024 14:48:42 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0118759	-.012071	.0325110	-.034068	.0053528	95.41292
Stddev	.0028538	.000819	.0006896	.001721	.0017898	.03246
%RSD	24.02999	6.785985	2.121047	5.052517	33.43727	.0340165
#1	.0109732	-.011249	.0331460	-.035170	.0043159	95.44905
#2	.0095826	-.012888	.0317775	-.032084	.0074195	95.38624
#3	.0150718	-.012076	.0326096	-.034948	.0043230	95.40346

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1948514	.0036666	.0102877	151.0268	.0276679	.2638337
Stddev	.0001042	.0000900	.0000554	.1061	.0002801	.0005295
%RSD	.0534660	2.455021	.5385427	.0702330	1.012327	.2007024
#1	.1948179	.0037645	.0103041	151.1337	.0275996	.2636607
#2	.1949682	.0035874	.0102259	151.0251	.0274282	.2634124
#3	.1947681	.0036477	.0103330	150.9216	.0279758	.2644281

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5045572	321.7076	3.732359	104.0127	.1762536	.0102435
Stddev	.0008831	1.0148	.001168	.1624	.0006526	.0002948
%RSD	.1750145	.3154481	.0312976	.1561207	.3702537	2.878121
#1	.5055768	320.6021	3.733269	104.0775	.1756230	.0099272
#2	.5040573	322.5968	3.731042	103.8279	.1762118	.0105107
#3	.5040376	321.9241	3.732766	104.1326	.1769261	.0102925

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	34.59723	.5017552	1.224296	5.676737	1.311793	-.001560
Stddev	.11654	.0025013	.005735	.042098	.001426	.000323
%RSD	.3368377	.4985083	.4684585	.7415868	.1087242	20.69784
#1	34.46940	.4990712	1.227249	5.634573	1.312670	-.001378
#2	34.69755	.5021734	1.227953	5.718768	1.310147	-.001933
#3	34.62474	.5040210	1.217686	5.676869	1.312561	-.001370

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3520-10 Acquired: 8/15/2024 14:48:42 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.010150	.1549247	F 51.29290	F 12.09775	F 812.0104	2.101607
Stddev	.000263	.0004751	.17948	.05645	3.4491	.039369
%RSD	2.593435	.3066450	.3499134	.4666005	.4247570	1.873293
#1	-.009856	.1543975	51.08621	12.04062	809.8765	2.119891
#2	-.010228	.1550568	51.40945	12.09912	810.1652	2.056420
#3	-.010365	.1553197	51.38303	12.15349	815.9896	2.128509

Elem	Sr4077
Units	ppm
Avg	.0565486
Stddev	.0009610
%RSD	1.699424
#1	.0575923
#2	.0557002
#3	.0563535

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3709.329	133108.7	13016.05	5238.671	5050.306
Stddev	11.096	421.9	77.38	25.860	8.249
%RSD	.2991340	.3169346	.5945243	.4936296	.1633395
#1	3696.744	132734.8	12927.15	5221.259	5041.680
#2	3713.542	133025.2	13052.76	5226.369	5058.118
#3	3717.702	133566.0	13068.25	5268.385	5051.120

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3520-12 Acquired: 8/15/2024 14:52:54 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0108171	-.009711	.0358827	-.032896	.0048258	105.7699
Stddev	.0001702	.002087	.0019150	.004442	.0010035	.1851
%RSD	1.573765	21.49175	5.336863	13.50448	20.79362	.1749734
#1	.0109436	-.009832	.0377839	-.036872	.0036671	105.5656
#2	.0106235	-.011735	.0359102	-.033715	.0053989	105.8179
#3	.0108840	-.007566	.0339541	-.028101	.0054113	105.9263

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1587725	.0030693	.0100419	257.7566	.0327637	.4184615
Stddev	.0000477	.0000107	.0007537	.4042	.0002298	.0060779
%RSD	.0300343	.3482207	7.505517	.1568057	.7013476	1.452436
#1	.1588164	.0030611	.0108563	258.0205	.0327679	.4249346
#2	.1587793	.0030814	.0099005	257.2913	.0329914	.4175735
#3	.1587218	.0030654	.0093690	257.9581	.0325319	.4128765

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8810552	307.5029	7.832080	112.1598	.2399416	.0107083
Stddev	.0122196	1.2750	.002455	.2227	.0031772	.0004594
%RSD	1.386928	.4146183	.0313460	.1985679	1.324154	4.290411
#1	.8943866	307.5593	7.830442	112.0019	.2431025	.0112308
#2	.8783925	306.2006	7.834903	112.4146	.2399738	.0103676
#3	.8703865	308.7487	7.830896	112.0630	.2367484	.0105265

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.418295	.4179775	1.414947	3.066031	1.570863	-.001912
Stddev	.050114	.0029425	.002695	.025408	.002779	.000213
%RSD	.5320921	.7039954	.1904375	.8286784	.1769053	11.12957
#1	9.391263	.4151755	1.412377	3.068755	1.567676	-.002093
#2	9.387502	.4210429	1.414711	3.039370	1.572785	-.001966
#3	9.476121	.4177140	1.417751	3.089966	1.572126	-.001678

Sample Name: P3520-12 Acquired: 8/15/2024 14:52:54 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.010224	.0294630	F 61.51576	F 12.48541	F 823.7820	2.689787
Stddev	.000506	.0006262	.26961	.20488	13.1165	.015053
%RSD	4.949764	2.125381	.4382708	1.640993	1.592231	.5596250
#1	-.009778	.0299732	61.42163	12.70545	838.1518	2.702081
#2	-.010120	.0287642	61.30585	12.45066	820.7413	2.694282
#3	-.010774	.0296517	61.81982	12.30013	812.4529	2.673000

Elem	Sr4077
Units	ppm
Avg	.2727907
Stddev	.0007234
%RSD	.2651810
#1	.2727837
#2	.2735176
#3	.2720709

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3777.008	127280.9	13353.87	5057.629	4873.395
Stddev	38.949	330.1	34.19	11.841	71.540
%RSD	1.031224	.2593236	.2560125	.2341133	1.467975
#1	3736.178	127415.9	13368.19	5069.503	4799.397
#2	3781.091	127522.0	13314.85	5045.822	4878.593
#3	3813.756	126904.7	13378.56	5057.564	4942.194

Sample Name: P3520-14 Acquired: 8/15/2024 14:57:06 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0105483	-.012078	.0302508	-.032775	.0043793	84.73711
Stddev	.0016285	.002209	.0008898	.003127	.0025091	.14426
%RSD	15.43831	18.28704	2.941294	9.539713	57.29336	.1702393
#1	.0122446	-.013319	.0312689	-.035488	.0059259	84.86800
#2	.0089975	-.009528	.0298608	-.029356	.0057277	84.76087
#3	.0104027	-.013388	.0296226	-.033481	.0014844	84.58244

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1918907	.0037319	.0098672	123.6318	.0299135	.2002269
Stddev	.0002252	.0000795	.0004649	.2459	.0000962	.0021891
%RSD	.1173782	2.129054	4.711856	.1989082	.3214639	1.093308
#1	.1921461	.0037480	.0102222	123.3480	.0298056	.2011279
#2	.1917203	.0038021	.0093409	123.7663	.0299903	.1977310
#3	.1918058	.0036456	.0100385	123.7812	.0299445	.2018216

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3275068	338.0018	3.985072	96.67512	.1583691	.0113420
Stddev	.0042076	1.6055	.002946	.26427	.0020534	.0001398
%RSD	1.284725	.4750047	.0739246	.2733559	1.296577	1.232378
#1	.3295217	336.5380	3.985735	96.81348	.1584879	.0112945
#2	.3226707	337.7484	3.981851	96.37040	.1562589	.0114994
#3	.3303280	339.7189	3.987630	96.84149	.1603605	.0112322

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	34.51855	.5459409	1.316258	3.541267	.9365723	-.001827
Stddev	.12167	.0006518	.005855	.029107	.0012910	.000176
%RSD	.3524679	.1193845	.4448220	.8219479	.1378426	9.653686
#1	34.44835	.5453478	1.309629	3.517027	.9359127	-.001625
#2	34.44825	.5458363	1.318422	3.573550	.9380599	-.001949
#3	34.65903	.5466387	1.320723	3.533224	.9357444	-.001908

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3520-14 Acquired: 8/15/2024 14:57:06 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.008712	.2182862	F 43.39155	F 12.75776	F 808.4079	1.868542
Stddev	.000993	.0005696	.13289	.13682	9.5557	.018498
%RSD	11.39503	.2609182	.3062625	1.072435	1.182044	.9899695
#1	-.009843	.2188817	43.34086	12.83654	813.9152	1.862614
#2	-.007985	.2182302	43.29146	12.59978	797.3739	1.889277
#3	-.008308	.2177467	43.54232	12.83696	813.9346	1.853734

Elem	Sr4077
Units	ppm
Avg	.0387689
Stddev	.0019031
%RSD	4.908753
#1	.0404778
#2	.0391107
#3	.0367180

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3836.758	132211.7	13187.24	5209.420	5111.347
Stddev	30.959	624.2	11.66	35.876	56.162
%RSD	.8069077	.4721007	.0884006	.6886710	1.098763
#1	3819.372	132790.1	13199.41	5246.304	5078.913
#2	3872.502	132295.0	13186.15	5207.311	5176.197
#3	3818.400	131550.1	13176.17	5174.645	5078.932

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CCV03 Acquired: 8/15/2024 15:01:18 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.982023	5.115838	4.984523	5.061249	5.022167	9.948266
Stddev	.044117	.049535	.033942	.045705	.032239	.024442
%RSD	.8855294	.9682603	.6809494	.9030400	.6419359	.2456917
#1	4.931728	5.062156	4.945333	5.008520	4.987654	9.969272
#2	5.014178	5.125581	5.004560	5.089535	5.051506	9.954087
#3	5.000165	5.159777	5.003675	5.085693	5.027341	9.921439

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.39189	.2638130	2.439197	26.12393	.9899636	2.444645
Stddev	.10844	.0026076	.019074	.17594	.0075385	.018704
%RSD	1.043524	.9884383	.7819979	.6734873	.7614976	.7651023
#1	10.50124	.2666397	2.417291	26.32675	.9928748	2.423108
#2	10.39006	.2632980	2.448171	26.01234	.9956125	2.454012
#3	10.28438	.2615013	2.452129	26.03270	.9814035	2.456815

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.265430	5.291229	2.569921	24.74772	2.473250	1.298780
Stddev	.010407	.003534	.010579	.05223	.017666	.005490
%RSD	.8224160	.0667868	.4116541	.2110505	.7142632	.4227295
#1	1.253648	5.292587	2.582078	24.80241	2.452875	1.300548
#2	1.273370	5.293883	2.562804	24.74241	2.482580	1.303169
#3	1.269273	5.287218	2.564881	24.69835	2.484294	1.292624

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.09620	2.488389	2.630153	25.77458	5.132301	5.058266
Stddev	.19581	.007025	.017242	.16381	.053266	.038640
%RSD	.7802491	.2823272	.6555502	.6355331	1.037865	.7639024
#1	24.87595	2.495984	2.637027	25.60000	5.192479	5.014024
#2	25.25059	2.487061	2.642898	25.92491	5.113223	5.085396
#3	25.16206	2.482123	2.610535	25.79883	5.091201	5.075377

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CCV03 Acquired: 8/15/2024 15:01:18 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.875061	5.199735	5.226667	4.913955	4.879811	F .3707866
Stddev	.039119	.024746	.045356	.029891	.031014	.0055338
%RSD	.8024239	.4759128	.8677780	.6082858	.6355563	1.492461
#1	4.831180	5.227139	5.176217	4.879475	4.845548	.3665776
#2	4.887724	5.179024	5.264066	4.929843	4.905965	.3770549
#3	4.906280	5.193042	5.239719	4.932547	4.887921	.3687275

Elem	Sr4077
Units	ppm
Avg	5.204530
Stddev	.024474
%RSD	.4702398
#1	5.222891
#2	5.213954
#3	5.176745

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3145.216	101275.1	10077.74	4181.545	5475.920
Stddev	19.078	428.5	85.58	12.122	33.796
%RSD	.6065761	.4230793	.8492344	.2898858	.6171701
#1	3164.346	101327.3	9981.60	4191.525	5514.183
#2	3126.190	100822.9	10106.00	4168.056	5450.149
#3	3145.113	101675.1	10145.62	4185.054	5463.427

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CCB03 Acquired: 8/15/2024 15:05:39 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000472	-.001778	-.000192	.0003700	-.000156	-.003982
Stddev	.000736	.000599	.000492	.0013385	.001405	.005076
%RSD	156.0178	33.71576	256.2957	361.7357	902.4703	127.4722
#1	.000334	-.001095	-.000731	-.001019	-.000497	-.006528
#2	-.001108	-.002021	.000232	.001652	.001389	.001863
#3	-.000641	-.002217	-.000077	.000477	-.001359	-.007282

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007516	.0000103	.0000089	-.006926	.0000121	.0000340
Stddev	.0011082	.0000504	.0000464	.001934	.0001071	.0001793
%RSD	147.4486	490.5539	523.4818	27.91874	883.6792	527.0203
#1	.0016264	.0000558	-.000023	-.005070	-.000021	.0000356
#2	-.000495	-.000044	.000062	-.006779	.000132	.0002126
#3	.001123	.000019	-.000012	-.008929	-.000074	-.000146

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001874	.0048493	-.000154	-.003940	.0002310	.0003369
Stddev	.0001627	.0034607	.000053	.016883	.0000562	.0001084
%RSD	86.81292	71.36475	34.25875	428.5103	24.34440	32.18176
#1	.0000961	.0065735	-.000140	.012052	.0001663	.0002228
#2	.0003751	.0071090	-.000109	-.002281	.0002587	.0003495
#3	.0000908	.0008652	-.000212	-.021591	.0002679	.0004386

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0120172	-.001169	-.000567	.0253868	.0067334	.0004277
Stddev	.0055425	.000820	.000134	.0036008	.0003818	.0000586
%RSD	46.12161	70.15642	23.62095	14.18360	5.670986	13.68911
#1	.0161045	-.000660	-.000471	.0225653	.0070140	.0004916
#2	.0142385	-.000732	-.000720	.0294424	.0062986	.0003765
#3	.0057086	-.002116	-.000511	.0241528	.0068877	.0004150

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CCB03 Acquired: 8/15/2024 15:05:39 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001187	-.000059	.0016038	-.000039	F .0809761	F .0653961
Stddev	.000209	.000644	.0099138	.000447	.0016102	.0275722
%RSD	17.61664	1085.551	618.1618	1139.936	1.988437	42.16185
#1	-.001125	-.000135	.0129864	.000476	.0827869	.0341530
#2	-.001016	.000619	-.005141	-.000275	.0804357	.0863213
#3	-.001420	-.000662	-.003034	-.000319	.0797056	.0757140

Elem	Sr4077
Units	ppm
Avg	-.000029
Stddev	.000030
%RSD	104.8727
#1	.000005
#2	-.000052
#3	-.000040

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3288.539	108805.4	10692.46	4447.811	6051.890
Stddev	8.328	110.6	70.92	32.235	29.559
%RSD	.2532468	.1016854	.6632393	.7247366	.4884295
#1	3279.491	108920.3	10759.57	4484.737	6018.038
#2	3295.884	108796.4	10699.54	4425.294	6065.041
#3	3290.241	108699.6	10618.27	4433.402	6072.592

Sample Name: P3520-16 Acquired: 8/15/2024 15:10:05 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0128485	-.021001	.0366550	-.050769	.0067298	122.0327
Stddev	.0005023	.000387	.0005732	.001590	.0015222	.4213
%RSD	3.909326	1.841657	1.563692	3.131262	22.61895	.3452538
#1	.0122695	-.020578	.0372546	-.050078	.0082083	121.5467
#2	.0131090	-.021336	.0361125	-.052587	.0068138	122.2570
#3	.0131670	-.021089	.0365979	-.049641	.0051673	122.2944

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1568947	.0049180	.0178115	183.4683	.0339629	.2672601
Stddev	.0011947	.0001478	.0004164	1.0269	.0000805	.0006600
%RSD	.7614895	3.006369	2.337837	.5597285	.2369214	.2469635
#1	.1555576	.0047712	.0182913	182.2835	.0339641	.2673325
#2	.1572687	.0050669	.0175998	184.0205	.0340428	.2665668
#3	.1578576	.0049159	.0175435	184.1011	.0338819	.2678809

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2327878	437.4837	5.178167	141.7252	.2366073	.0122288
Stddev	.0019769	3.3486	.021717	.7908	.0004385	.0007025
%RSD	.8492375	.7654283	.4194022	.5579880	.1853254	5.744989
#1	.2348969	433.6811	5.153306	140.9139	.2366041	.0115366
#2	.2309770	439.9918	5.187756	141.7679	.2361704	.0129412
#3	.2324896	438.7782	5.193440	142.4937	.2370473	.0122087

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	54.79753	.7832501	1.277312	3.361901	1.228393	-.002558
Stddev	.16890	.0051183	.003476	.016031	.009407	.000208
%RSD	.3082264	.6534632	.2721295	.4768287	.7658039	8.146312
#1	54.94762	.7806901	1.279746	3.364787	1.217533	-.002797
#2	54.83032	.7799168	1.278858	3.376292	1.234004	-.002464
#3	54.61463	.7891432	1.273331	3.344623	1.233643	-.002414

Sample Name: P3520-16 Acquired: 8/15/2024 15:10:05 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.008132	.0722351	F 60.85207	F 13.22558	F 873.0208	3.164917
Stddev	.000795	.0007944	.12842	.04656	2.6934	.008784
%RSD	9.773601	1.099720	.2110331	.3520604	.3085117	.2775313
#1	-.008147	.0714399	60.97176	13.24042	874.8360	3.169525
#2	-.008920	.0730287	60.86803	13.17340	869.9262	3.170437
#3	-.007330	.0722365	60.71641	13.26290	874.3003	3.154788

Elem	Sr4077
Units	ppm
Avg	.0768949
Stddev	.0014234
%RSD	1.851079
#1	.0785007
#2	.0757887
#3	.0763952

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3868.866	134805.6	13329.82	5272.297	4932.553
Stddev	5.956	355.7	52.29	31.015	2.680
%RSD	.1539345	.2638508	.3922647	.5882658	.0543368
#1	3868.994	134563.3	13389.94	5270.692	4929.628
#2	3862.848	134639.6	13304.57	5242.116	4933.141
#3	3874.757	135213.9	13294.95	5304.084	4934.890

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3520-18 Acquired: 8/15/2024 15:14:24 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003685	-.003018	.0066840	-.002008	.0021952	16.51807
Stddev	.001295	.000378	.0008877	.000852	.0014356	.03299
%RSD	35.15040	12.51235	13.28034	42.44485	65.39645	.1996940
#1	-.005146	-.002651	.0063532	-.002769	.0036948	16.48018
#2	-.002680	-.002996	.0076896	-.002168	.0008335	16.53365
#3	-.003228	-.003406	.0060093	-.001087	.0020574	16.54038

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1817276	.0008787	.0001269	39.89843	.0207864	.0146961
Stddev	.0014900	.0000308	.0000402	.14262	.0001066	.0002195
%RSD	.8198847	3.500760	31.66392	.3574689	.5129938	1.493462
#1	.1800857	.0008565	.0000813	39.73521	.0209089	.0148941
#2	.1829935	.0009138	.0001571	39.96106	.0207148	.0147340
#3	.1821038	.0008658	.0001422	39.99903	.0207354	.0144601

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3081402	30.57739	.3023480	5.617021	.0272286	.0012057
Stddev	.0019290	.09255	.0011450	.044038	.0002448	.0002092
%RSD	.6260147	.3026750	.3787151	.7840139	.8990760	17.35294
#1	.3095434	30.49687	.3013122	5.583012	.0275091	.0013546
#2	.3089366	30.55681	.3021542	5.601286	.0271180	.0009665
#3	.3059405	30.67850	.3035775	5.666766	.0270585	.0012960

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.274638	.0366746	.9744833	11.70777	.5321664	.0004194
Stddev	.008283	.0012061	.0036903	.00961	.0012414	.0000646
%RSD	.1320052	3.288510	.3786942	.0821148	.2332783	15.40144
#1	6.265474	.0353288	.9740866	11.69833	.5307333	.0003643
#2	6.276851	.0376576	.9710073	11.71755	.5329102	.0004905
#3	6.281590	.0370375	.9783559	11.70743	.5328557	.0004034

Sample Name: P3520-18 Acquired: 8/15/2024 15:14:24 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.009929	1.093834	F 11.92150	F 14.78844	F 745.2159	.7066160
Stddev	.000264	.004943	.01973	.12405	3.7759	.0170447
%RSD	2.663489	.4519008	.1655217	.8388452	.5066865	2.412151
#1	-.009865	1.088128	11.91469	14.90390	749.0873	.6873173
#2	-.009702	1.096574	11.94374	14.80414	745.0169	.7196104
#3	-.010219	1.096801	11.90608	14.65729	741.5434	.7129203

Elem	Sr4077
Units	ppm
Avg	.0441677
Stddev	.0001367
%RSD	.3094739
#1	.0440123
#2	.0442218
#3	.0442691

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3579.576	120470.1	10752.21	4792.490	5830.749
Stddev	25.690	210.8	20.81	21.964	49.113
%RSD	.7176930	.1750043	.1935551	.4582994	.8423153
#1	3556.217	120314.4	10748.11	4793.499	5787.068
#2	3575.421	120710.0	10774.76	4813.932	5821.266
#3	3607.091	120385.9	10733.75	4770.039	5883.912

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3574-02 Acquired: 8/15/2024 15:18:40 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002291	-.002204	.0009427	-.000484	.0004750	1.083810	.0900474
Stddev	.000570	.001000	.0007517	.001001	.0013321	.007488	.0011388
%RSD	24.89686	45.35890	79.73824	206.5951	280.4476	.6908854	1.264612
#1	-.002872	-.001096	.0017880	-.001184	-.000509	1.091340	.0913370
#2	-.002269	-.002477	.0003493	.000662	-.000057	1.083727	.0896248
#3	-.001732	-.003038	.0006909	-.000930	.001991	1.076365	.0891804

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000717	-.000044	3.262674	.0024933	.0002459	.0040923	.7955825
Stddev	.0000667	.000014	.029056	.0001457	.0000865	.0003454	.0003041
%RSD	92.98911	32.44512	.8905733	5.844445	35.16557	8.438884	.0382276
#1	.0001485	-.000038	3.295882	.0024685	.0002487	.0044896	.7959067
#2	.0000375	-.000060	3.250214	.0026498	.0003309	.0038642	.7955373
#3	.0000290	-.000033	3.241925	.0023615	.0001580	.0039231	.7953034

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0607816	1.295007	.0017033	.0004175	8.904179	.0024998	.0245930
Stddev	.0007019	.026054	.0001962	.0001770	.014143	.0008038	.0001110
%RSD	1.154833	2.011862	11.52090	42.40082	.1588395	32.15371	.4512988
#1	.0615678	1.323230	.0015983	.0002264	8.888841	.0016346	.0247186
#2	.0605591	1.271874	.0015818	.0005758	8.906991	.0026416	.0245081
#3	.0602179	1.289917	.0019297	.0004503	8.916706	.0032233	.0245524

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.826957	.1188841	.0060239	-.010833	.0168141	2.282405	.0424058
Stddev	.006459	.0011523	.0000329	.000396	.0004571	.016175	.0019107
%RSD	.3535583	.9692368	.5456209	3.654560	2.718369	.7086954	4.505655
#1	1.828080	.1200385	.0060611	-.010425	.0173183	2.284465	.0433414
#2	1.820011	.1188796	.0059986	-.010859	.0166971	2.297451	.0436683
#3	1.832782	.1177340	.0060122	-.011216	.0164269	2.265298	.0402076

Sample Name: P3574-02 Acquired: 8/15/2024 15:18:40 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.334607	.1148701	.0233269
Stddev	.034807	.0298594	.0001808
%RSD	1.490924	25.99403	.7752507
#1	2.374134	.1454690	.0234861
#2	2.321146	.0858097	.0233645
#3	2.308540	.1133316	.0231303

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3397.799	115883.5	11029.49	4682.060	6279.965
Stddev	16.662	57.5	104.68	8.371	40.844
%RSD	.4903684	.0496173	.9490813	.1787817	.6503857
#1	3395.546	115839.7	10919.57	4675.833	6278.087
#2	3415.472	115862.3	11040.89	4691.575	6321.716
#3	3382.378	115948.6	11128.00	4678.771	6240.092

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CCV04 Acquired: 8/15/2024 15:23:04 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.849272	5.000487	4.852503	4.935586	4.903507	9.601538
Stddev	.006118	.027973	.010517	.008200	.002734	.045861
%RSD	.1261685	.5594036	.2167255	.1661306	.0557465	.4776387
#1	4.847073	4.980610	4.859804	4.944395	4.906359	9.593630
#2	4.844558	4.988376	4.840449	4.928176	4.900910	9.650839
#3	4.856186	5.032475	4.857256	4.934187	4.903252	9.560146

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.871109	.2595897	2.372638	25.15769	.9456962	2.374442
Stddev	.057965	.0008334	.005430	.02480	.0027822	.004506
%RSD	.5872147	.3210448	.2288462	.0985634	.2941974	.1897728
#1	9.805638	.2586359	2.375787	25.12977	.9433779	2.377949
#2	9.891801	.2601776	2.366369	25.17715	.9487814	2.369360
#3	9.915888	.2599555	2.375760	25.16614	.9449291	2.376018

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.233148	4.837468	2.477268	23.89075	2.403886	1.236548
Stddev	.002755	.011868	.004766	.08686	.004152	.002162
%RSD	.2234154	.2453414	.1923855	.3635725	.1727410	.1748532
#1	1.235975	4.839270	2.473047	23.81405	2.406545	1.236793
#2	1.230471	4.824801	2.482437	23.98507	2.399101	1.234273
#3	1.232997	4.848332	2.476321	23.87312	2.406013	1.238577

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.16301	2.398107	2.514986	23.83740	5.080550	4.940888
Stddev	.07254	.004793	.005558	.10034	.010632	.009067
%RSD	.3131567	.1998504	.2209929	.4209364	.2092649	.1835185
#1	23.22903	2.392991	2.521357	23.85664	5.069044	4.948970
#2	23.08536	2.398837	2.511133	23.72883	5.090010	4.931083
#3	23.17462	2.402492	2.512468	23.92673	5.082597	4.942611

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CCV04 Acquired: 8/15/2024 15:23:04 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.741669	5.015003	4.763753	4.747851	4.667698	F .3638173
Stddev	.011171	.007901	.035649	.007894	.013748	.0293612
%RSD	.2355985	.1575530	.7483427	.1662724	.2945315	8.070305
#1	4.748212	5.005943	4.787467	4.748858	4.661949	.3302974
#2	4.728770	5.018603	4.722757	4.739502	4.657758	.3849807
#3	4.748024	5.020463	4.781036	4.755194	4.683388	.3761739

Elem	Sr4077
Units	ppm
Avg	5.026129
Stddev	.036145
%RSD	.7191488
#1	4.985735
#2	5.037231
#3	5.055421

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3212.347	106892.5	10130.38	4367.191	5609.514
Stddev	9.313	265.3	36.90	23.007	14.069
%RSD	.2899239	.2482015	.3642431	.5268257	.2507982
#1	3202.419	106589.3	10136.58	4340.692	5597.631
#2	3220.890	107081.8	10090.78	4382.073	5625.048
#3	3213.733	107006.5	10163.79	4378.810	5605.863

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CCB04 Acquired: 8/15/2024 15:27:23 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001789	-.001033	-.000417	.0000983	.0004881	.0009996
Stddev	.002282	.001140	.001064	.0014855	.0007845	.0086616
%RSD	127.5149	110.3354	255.2864	1510.786	160.7508	866.5220
#1	-.003896	.000245	.000487	-.001617	.0005717	-.005870
#2	.000634	-.001946	-.001590	.000988	.0012274	.010730
#3	-.002107	-.001399	-.000148	.000923	-.000335	-.001861

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025109	-.000012	.0000296	-.011490	.0001421	.0000864
Stddev	.0009747	.000027	.0000348	.005346	.0000864	.0001565
%RSD	38.81922	231.2057	117.7514	46.53223	60.78358	181.1811
#1	.0034214	-.000036	-.000009	-.006445	.0002358	.0002050
#2	.0026287	-.000016	.000059	-.010930	.0001251	.0001450
#3	.0014827	.000017	.000039	-.017094	.0000655	-.000091

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000083	-.001217	-.000266	.0013190	.0000190	.0002174
Stddev	.000102	.002612	.000239	.0087753	.0001734	.0000898
%RSD	122.9658	214.5780	89.70159	665.2946	910.8643	41.28551
#1	.000034	.000699	.000009	.0105396	.0000160	.0002905
#2	-.000152	-.000158	-.000385	-.006930	-.000153	.0001172
#3	-.000132	-.004192	-.000422	.000347	.000194	.0002444

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.008104	-.001215	-.000923	.0097641	.0072252	.0003599
Stddev	.011443	.001835	.000042	.0095943	.0003736	.0001839
%RSD	141.2032	151.0572	4.584705	98.26122	5.170694	51.08312
#1	-.020913	-.002714	-.000956	-.000503	.0073976	.0005047
#2	-.004509	.000832	-.000936	.011293	.0074815	.0001530
#3	.001110	-.001763	-.000875	.018502	.0067966	.0004220

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CCB04 Acquired: 8/15/2024 15:27:23 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001285	.0005482	.0000801	-.001069	F .0426840	F .0312002
Stddev	.000104	.0007250	.0060506	.002432	.0016558	.0166261
%RSD	8.094176	132.2597	7556.964	227.5218	3.879171	53.28835
#1	-.001401	.0012331	-.000927	.001665	.0438196	.0176955
#2	-.001199	.0006228	.006571	-.002992	.0407841	.0497696
#3	-.001257	-.000211	-.005404	-.001879	.0434484	.0261354

Elem	Sr4077
Units	ppm
Avg	-.000052
Stddev	.000008
%RSD	15.50914
#1	-.000049
#2	-.000061
#3	-.000046

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3223.282	115401.6	10136.79	4702.413	5852.490
Stddev	36.438	2370.7	45.44	102.654	62.989
%RSD	1.130450	2.054311	.4482225	2.183012	1.076284
#1	3264.897	118135.6	10109.30	4820.926	5924.536
#2	3197.106	114153.9	10111.83	4641.184	5807.824
#3	3207.842	113915.4	10189.23	4645.130	5825.110

Sample Name: P3518-01 Acquired: 8/15/2024 15:31:56 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0504145	-.000691	.8136755	-.016843	.0043404	129.9569
Stddev	.0009387	.000606	.0062850	.001686	.0011616	.4261
%RSD	1.861992	87.66708	.7724221	10.00876	26.76274	.3278682
#1	.0500483	-.000368	.8181803	-.016190	.0031261	129.5402
#2	.0514811	-.000315	.8163508	-.015582	.0054410	129.9387
#3	.0497141	-.001389	.8064955	-.018758	.0044540	130.3918

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.008790	.0084289	.0067024	66.53371	.2027118	.0959266
Stddev	.002041	.0001204	.0002739	.24747	.0007359	.0009220
%RSD	.2023284	1.428428	4.086820	.3719521	.3630014	.9611723
#1	1.006434	.0084192	.0069219	66.24801	.2020120	.0969077
#2	1.010026	.0083137	.0067898	66.67143	.2026443	.0957943
#3	1.009910	.0085539	.0063954	66.68168	.2034790	.0950779

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4577636	186.4300	4.492163	36.95924	.1841367	.0085826
Stddev	.0059918	.9772	.019617	.26109	.0017504	.0000817
%RSD	1.308927	.5241810	.4366937	.7064291	.9506151	.9522069
#1	.4627202	185.6752	4.470661	36.71541	.1856897	.0086552
#2	.4594656	187.5338	4.496746	36.92760	.1844805	.0085984
#3	.4511049	186.0810	4.509083	37.23471	.1822399	.0084941

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.040420	.3736109	1.240816	19.88950	.0380523	.0063400
Stddev	.006637	.0004443	.004768	.08531	.0017439	.0002135
%RSD	.3252812	.1189308	.3842602	.4289049	4.582789	3.368062
#1	2.034484	.3741233	1.236399	19.80858	.0373823	.0065854
#2	2.047586	.3733786	1.245871	19.97860	.0400318	.0062383
#3	2.039189	.3733309	1.240178	19.88130	.0367428	.0061963

Sample Name: P3518-01 Acquired: 8/15/2024 15:31:56 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1296537	5.538534	F 11.69062	F 14.40211	4.729052	2.946195
Stddev	.0018371	.021653	.05941	.15968	.065450	.032997
%RSD	1.416890	.3909468	.5081485	1.108748	1.383992	1.119975
#1	.1306074	5.513531	11.63739	14.53830	4.787466	2.942203
#2	.1308177	5.550980	11.75471	14.44165	4.741373	2.915376
#3	.1275359	5.551089	11.67977	14.22637	4.658318	2.981006

Elem	Sr4077
Units	ppm
Avg	.0525547
Stddev	.0009007
%RSD	1.713784
#1	.0527424
#2	.0515750
#3	.0533468

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3436.854	120114.0	11370.74	4780.640	5324.090
Stddev	38.479	583.7	24.43	28.652	60.242
%RSD	1.119588	.4859666	.2148291	.5993335	1.131492
#1	3399.148	120409.9	11398.64	4800.374	5270.192
#2	3435.352	119441.5	11360.42	4747.776	5312.956
#3	3476.061	120490.5	11353.17	4793.770	5389.122

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3518-03 Acquired: 8/15/2024 15:36:06 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0345291	-.000247	.6345655	-.011239	.0031907	102.4547
Stddev	.0009816	.000389	.0033321	.002015	.0015589	.3840
%RSD	2.842750	157.7025	.5250915	17.93131	48.85849	.3747593
#1	.0352039	.000046	.6322328	-.013566	.0021734	102.2393
#2	.0334030	-.000688	.6383817	-.010093	.0049854	102.8980
#3	.0349804	-.000098	.6330821	-.010058	.0024131	102.2268

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8452640	.0069627	.0044407	73.38727	.1551108	.0687709
Stddev	.0042766	.0000642	.0000538	.42103	.0004321	.0005424
%RSD	.5059487	.9222669	1.212427	.5737036	.2785919	.7887161
#1	.8419044	.0069031	.0043846	73.03527	.1552908	.0681865
#2	.8500781	.0069544	.0044457	73.85367	.1546178	.0692582
#3	.8438094	.0070307	.0044919	73.27287	.1554239	.0688681

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3585902	151.3862	4.113149	35.49426	.1428326	.0072369
Stddev	.0006698	.1362	.017120	.11563	.0002340	.0001938
%RSD	.1867850	.0899528	.4162327	.3257839	.1638381	2.677912
#1	.3589780	151.4412	4.102148	35.47683	.1427333	.0072765
#2	.3589758	151.2312	4.132874	35.61762	.1426646	.0074078
#3	.3578168	151.4864	4.104424	35.38833	.1430999	.0070263

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.860242	.2801523	1.038323	16.66335	.0544590	.0048420
Stddev	.002360	.0029721	.002587	.05462	.0012890	.0002539
%RSD	.1268408	1.060902	.2491947	.3278061	2.366990	5.243839
#1	1.860271	.2767294	1.035982	16.60227	.0543862	.0046055
#2	1.862587	.2816485	1.037885	16.68028	.0532079	.0051104
#3	1.857868	.2820790	1.041101	16.70751	.0557829	.0048102

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3518-03 Acquired: 8/15/2024 15:36:06 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0843591	3.823415	F 11.95971	F 11.90152	3.950170	2.205945
Stddev	.0007001	.021032	.01345	.03127	.009642	.027768
%RSD	.8298392	.5500959	.1124854	.2627242	.2440941	1.258776
#1	.0838238	3.805908	11.96665	11.88065	3.955968	2.175095
#2	.0851513	3.846746	11.96828	11.93747	3.955504	2.213800
#3	.0841023	3.817591	11.94421	11.88645	3.939040	2.228939

Elem	Sr4077
Units	ppm
Avg	.0727206
Stddev	.0010060
%RSD	1.383439
#1	.0723437
#2	.0738607
#3	.0719574

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3417.754	117090.4	11596.22	4671.372	5459.991
Stddev	7.775	181.4	42.34	3.295	9.483
%RSD	.2274813	.1548897	.3651416	.0705448	.1736890
#1	3416.147	117079.6	11630.54	4674.850	5463.274
#2	3410.908	117276.9	11548.90	4670.970	5449.303
#3	3426.206	116914.7	11609.22	4668.296	5467.398

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3518-05 Acquired: 8/15/2024 15:40:17 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0492415	-.005324	.7906298	-.015751	.0043536	127.4065
Stddev	.0003776	.001118	.0061358	.002725	.0017813	.2884
%RSD	.7669405	21.00329	.7760699	17.30259	40.91622	.2263883
#1	.0496585	-.004562	.7943908	-.013412	.0045895	127.5733
#2	.0489226	-.006608	.7939494	-.015098	.0060053	127.5728
#3	.0491434	-.004803	.7835494	-.018744	.0024661	127.0735

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.009460	.0085144	.0071240	103.7122	.1863459	.0964257
Stddev	.000995	.0000851	.0002976	.2593	.0003182	.0007025
%RSD	.0985821	.9989748	4.176756	.2500259	.1707299	.7285368
#1	1.009914	.0085877	.0073796	103.9998	.1863378	.0970286
#2	1.010147	.0085344	.0071949	103.6405	.1860319	.0965942
#3	1.008319	.0084211	.0067973	103.4963	.1866681	.0956543

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4748960	185.5504	5.481899	44.59257	.1828767	.0084173
Stddev	.0026367	.8479	.011817	.21344	.0005985	.0003906
%RSD	.5552211	.4569805	.2155629	.4786345	.3272955	4.640124
#1	.4769830	184.8048	5.492089	44.78431	.1825912	.0087084
#2	.4757723	185.3737	5.484662	44.63079	.1835645	.0085700
#3	.4719327	186.4728	5.468945	44.36261	.1824744	.0079734

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.699610	.3510541	1.325019	19.90646	.0549798	.0063937
Stddev	.017709	.0031057	.002657	.10153	.0042070	.0000495
%RSD	.6559840	.8846655	.2005385	.5100572	7.651924	.7745062
#1	2.682645	.3527915	1.327868	19.81116	.0513685	.0064096
#2	2.698205	.3529022	1.324582	19.89496	.0539715	.0063382
#3	2.717979	.3474685	1.322607	20.01325	.0595993	.0064333

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3518-05 Acquired: 8/15/2024 15:40:17 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1266456	4.651453	F 11.26998	F 15.72993	5.676788	2.822994
Stddev	.0008142	.008105	.05453	.09708	.031601	.014433
%RSD	.6428973	.1742384	.4838230	.6171482	.5566632	.5112737
#1	.1274943	4.660736	11.22063	15.79333	5.706272	2.812767
#2	.1265715	4.647836	11.26079	15.77829	5.680664	2.839504
#3	.1258710	4.645786	11.32851	15.61817	5.643428	2.816711

Elem	Sr4077
Units	ppm
Avg	.1157287
Stddev	.0009300
%RSD	.8036188
#1	.1163599
#2	.1161655
#3	.1146607

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3273.238	117515.0	11158.73	4622.125	5072.687
Stddev	4.001	284.4	58.63	4.105	15.414
%RSD	.1222241	.2420026	.5254523	.0888189	.3038593
#1	3272.438	117743.7	11107.99	4625.972	5063.002
#2	3269.697	117604.6	11145.28	4622.601	5064.598
#3	3277.578	117196.6	11222.92	4617.803	5090.462

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3518-07 Acquired: 8/15/2024 15:44:27 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0440411	-.003158	.8595163	-.014881	.0055360	123.5227
Stddev	.0020900	.000981	.0147639	.002120	.0005531	.6252
%RSD	4.745451	31.06423	1.717698	14.24889	9.990858	.5061158
#1	.0417126	-.003638	.8476561	-.013352	.0050575	122.8040
#2	.0446564	-.003807	.8760518	-.013989	.0054090	123.8229
#3	.0457543	-.002029	.8548411	-.017302	.0061416	123.9411

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9834436	.0083557	.0070321	89.62771	.1900009	.0860955
Stddev	.0058715	.0000688	.0004445	.47937	.0008521	.0013907
%RSD	.5970386	.8228619	6.320709	.5348475	.4484563	1.615321
#1	.9766638	.0083049	.0066537	89.07537	.1890232	.0850646
#2	.9868241	.0083282	.0075216	89.87251	.1903941	.0876773
#3	.9868430	.0084339	.0069210	89.93526	.1905854	.0855446

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4270824	172.4326	4.738918	42.93052	.1758658	.0076549
Stddev	.0082193	.7206	.023129	.28725	.0030766	.0001395
%RSD	1.924526	.4179214	.4880560	.6691052	1.749416	1.822167
#1	.4220066	171.6472	4.712346	42.68219	.1730500	.0076430
#2	.4365654	172.5874	4.749882	42.86425	.1791496	.0077999
#3	.4226751	173.0633	4.754526	43.24511	.1753977	.0075217

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.194165	.3501396	1.276578	21.58802	.0477292	.0064874
Stddev	.018201	.0021825	.004039	.14851	.0009462	.0005179
%RSD	.8295173	.6233143	.3163567	.6879506	1.982505	7.983835
#1	2.177808	.3492556	1.272015	21.41689	.0487917	.0059973
#2	2.213772	.3526254	1.278031	21.68326	.0474183	.0070293
#3	2.190915	.3485377	1.279690	21.66390	.0469774	.0064355

Sample Name: P3518-07 Acquired: 8/15/2024 15:44:27 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0984911	4.545582	8.415519	F 15.44554	5.488314	2.836711
Stddev	.0019704	.026868	.051201	.26902	.094816	.016100
%RSD	2.000631	.5910847	.6084111	1.741728	1.727590	.5675725
#1	.0965991	4.514862	8.372250	15.21799	5.403765	2.818992
#2	.1005316	4.557185	8.402262	15.74245	5.590826	2.840698
#3	.0983427	4.564698	8.472045	15.37618	5.470350	2.850443

Elem	Sr4077
Units	ppm
Avg	.1004891
Stddev	.0009337
%RSD	.9291175
#1	.0994647
#2	.1012924
#3	.1007101

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3264.861	119223.5	11234.95	4737.837	5092.350
Stddev	44.392	312.2	38.14	15.010	82.379
%RSD	1.359699	.2618332	.3395041	.3168069	1.617711
#1	3293.938	119532.7	11271.67	4754.570	5151.722
#2	3213.763	118908.5	11195.53	4733.382	4998.301
#3	3286.881	119229.1	11237.65	4725.560	5127.028

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3518-09 Acquired: 8/15/2024 15:48:38 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0558134	.0005684	.8134540	-.018975	.0046058	139.7937
Stddev	.0024414	.0017505	.0028351	.002716	.0013263	.7806
%RSD	4.374260	307.9617	.3485320	14.31282	28.79693	.5583941
#1	.0534762	-.001025	.8154913	-.020888	.0055521	139.1167
#2	.0583472	.002442	.8146547	-.020170	.0030898	139.6170
#3	.0556169	.000288	.8102161	-.015866	.0051757	140.6476

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.036280	.0089438	.0061274	115.9791	.2118214	.0961738
Stddev	.005663	.0000780	.0001294	.5034	.0018272	.0001319
%RSD	.5464711	.8720320	2.111932	.4340649	.8626018	.1371772
#1	1.030637	.0090240	.0062728	115.7088	.2097326	.0960751
#2	1.036240	.0089393	.0060845	115.6686	.2131234	.0963237
#3	1.041962	.0088682	.0060249	116.5600	.2126082	.0961227

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4620216	207.4056	4.936097	39.17788	.1925454	.0099435
Stddev	.0026620	1.4095	.026581	.19820	.0009930	.0003506
%RSD	.5761559	.6796094	.5384986	.5059061	.5157263	3.526439
#1	.4625241	205.7783	4.915451	38.99259	.1923510	.0101324
#2	.4643965	208.2468	4.926753	39.15419	.1936212	.0101593
#3	.4591442	208.1917	4.966089	39.38687	.1916640	.0095389

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.108600	.3740268	1.341181	20.95918	.0615001	.0062546
Stddev	.013813	.0034216	.002404	.15492	.0015074	.0003124
%RSD	.6550966	.9148011	.1792177	.7391489	2.450966	4.994100
#1	2.093303	.3701494	1.339587	20.78091	.0605726	.0065660
#2	2.120161	.3753085	1.343946	21.06119	.0632394	.0059413
#3	2.112335	.3766225	1.340010	21.03543	.0606884	.0062567

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3518-09 Acquired: 8/15/2024 15:48:38 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1074592	4.956993	F 11.97684	F 16.61536	4.765700	3.234442
Stddev	.0006804	.024510	.09581	.05318	.020454	.006221
%RSD	.6331602	.4944510	.7999306	.3200768	.4291924	.1923465
#1	.1077649	4.941076	11.86647	16.60889	4.749438	3.234241
#2	.1079331	4.944686	12.03850	16.67148	4.788665	3.228323
#3	.1066796	4.985218	12.02556	16.56571	4.758998	3.240761

Elem	Sr4077
Units	ppm
Avg	.1010932
Stddev	.0008797
%RSD	.8701577
#1	.1011904
#2	.1001690
#3	.1019203

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3484.991	115961.2	11951.53	4655.350	5345.302
Stddev	13.053	206.6	48.67	12.182	19.154
%RSD	.3745618	.1781444	.4072644	.2616738	.3583372
#1	3487.150	116190.9	11934.20	4647.028	5350.557
#2	3470.993	115902.3	12006.49	4669.332	5324.068
#3	3496.830	115790.5	11913.89	4649.690	5361.280

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: PB162626BS Acquired: 8/15/2024 15:57:15 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7766382	1.967328	.9754701	1.979691	.8233390	1.979316
Stddev	.0066072	.016240	.0021530	.008384	.0021425	.017627
%RSD	.8507491	.8255008	.2207117	.4235047	.2602175	.8905384
#1	.7690727	1.984252	.9741394	1.987060	.8210378	1.986734
#2	.7812746	1.951871	.9743168	1.970569	.8237030	1.992022
#3	.7795671	1.965860	.9779540	1.981444	.8252761	1.959193

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2043551	.2172810	.1886184	1.117353	.3890053	.2005487
Stddev	.0025306	.0018597	.0004616	.011870	.0022021	.0007934
%RSD	1.238344	.8558785	.2446999	1.062362	.5660966	.3956090
#1	.2059410	.2181882	.1882897	1.123605	.3912149	.1998730
#2	.2056876	.2185130	.1884194	1.103664	.3868107	.2003508
#3	.2014366	.2151418	.1891461	1.124792	.3889903	.2014223

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3207898	2.847407	.2136007	1.958099	.5127273	.0757759
Stddev	.0015136	.027299	.0013247	.025952	.0015750	.0001732
%RSD	.4718192	.9587435	.6201706	1.325348	.3071776	.2285958
#1	.3201604	2.871234	.2143337	1.982599	.5114349	.0758956
#2	.3196926	2.817620	.2143969	1.960793	.5122654	.0758548
#3	.3225165	2.853367	.2120715	1.930906	.5144816	.0755773

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.625929	.2938643	.2121465	9.091161	.3026284	.4088586
Stddev	.025009	.0038279	.0009510	.071576	.0024011	.0011711
%RSD	.9523858	1.302597	.4482748	.7873149	.7933986	.2864236
#1	2.637015	.2953815	.2132371	9.115672	.3033555	.4087803
#2	2.597293	.2967010	.2114903	9.010550	.3045820	.4077286
#3	2.643478	.2895104	.2117121	9.147263	.2999479	.4100668

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: PB162626BS Acquired: 8/15/2024 15:57:15 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6892025	.2038837	F .6694763	6.099864	F .0418048	F 3.914979
Stddev	.0018158	.0013117	.0105151	.012050	.0031240	.046657
%RSD	.2634649	.6433537	1.570645	.1975398	7.472751	1.191765
#1	.6878137	.2046162	.6652549	6.087280	.0452494	3.968088
#2	.6885366	.2046656	.6617279	6.111297	.0410099	3.896266
#3	.6912573	.2023694	.6814461	6.101015	.0391550	3.880584

Elem	Sr4077
Units	ppm
Avg	.1931625
Stddev	.0012000
%RSD	.6212589
#1	.1938528
#2	.1938578
#3	.1917768

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3168.286	112958.9	10145.12	4591.081	5635.576
Stddev	3.087	631.5	111.17	16.939	1.511
%RSD	.0974496	.5590514	1.095790	.3689654	.0268040
#1	3169.642	112331.0	10102.24	4572.769	5637.315
#2	3170.464	113593.9	10061.78	4606.191	5634.829
#3	3164.753	112952.0	10271.34	4594.281	5634.586

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3518-11 Acquired: 8/15/2024 16:01:23 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0529189	-.001969	.7888249	-.014684	.0052399	144.9089
Stddev	.0009230	.002048	.0113790	.002191	.0004583	1.0003
%RSD	1.744210	103.9921	1.442520	14.91963	8.745653	.6902714
#1	.0519933	-.000307	.7756865	-.012872	.0054387	143.8135
#2	.0538393	-.004257	.7955259	-.014062	.0055653	145.1395
#3	.0529242	-.001343	.7952623	-.017119	.0047158	145.7737

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.061906	.0092893	.0066627	80.44762	.2045317	.0978687
Stddev	.006669	.0000672	.0003156	.60599	.0014261	.0012276
%RSD	.6279923	.7228659	4.736595	.7532764	.6972586	1.254306
#1	1.054568	.0092382	.0063853	79.76954	.2046804	.0964598
#2	1.063554	.0093654	.0065967	80.63703	.2058776	.0987076
#3	1.067596	.0092643	.0070060	80.93628	.2030370	.0984389

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4747918	207.2138	5.145010	41.25526	.1943860	.0097046
Stddev	.0065808	1.7025	.036312	.22987	.0024782	.0002817
%RSD	1.386039	.8216006	.7057653	.5571834	1.274900	2.903091
#1	.4673994	207.6201	5.106143	40.99011	.1916321	.0093939
#2	.4769647	208.6763	5.150821	41.39835	.1964363	.0099434
#3	.4800115	205.3449	5.178066	41.37731	.1950897	.0097764

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.444913	.3675625	1.348470	28.02875	.0559107	.0058072
Stddev	.022079	.0007531	.014838	.23175	.0036066	.0001642
%RSD	.9030761	.2048870	1.100385	.8268471	6.450704	2.826830
#1	2.437391	.3670188	1.347742	28.09180	.0593563	.0058952
#2	2.469771	.3672467	1.363659	28.22245	.0562138	.0056178
#3	2.427577	.3684221	1.334009	27.77199	.0521622	.0059086

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3518-11 Acquired: 8/15/2024 16:01:23 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0877131	5.349469	9.096171	F 16.35568	5.105117	3.440185
Stddev	.0014258	.040186	.058039	.18713	.069559	.051526
%RSD	1.625546	.7512076	.6380580	1.144147	1.362531	1.497775
#1	.0862042	5.304837	9.127714	16.14020	5.027400	3.381176
#2	.0890379	5.360789	9.131607	16.47747	5.161540	3.476275
#3	.0878973	5.382780	9.029191	16.44935	5.126410	3.463106

Elem	Sr4077
Units	ppm
Avg	.0668454
Stddev	.0030951
%RSD	4.630246
#1	.0645840
#2	.0655794
#3	.0703728

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3411.861	117521.6	11579.19	4699.995	5218.898
Stddev	23.483	900.4	88.02	49.798	52.040
%RSD	.6882833	.7661168	.7601780	1.059524	.9971410
#1	3438.814	117253.1	11676.58	4690.310	5276.641
#2	3395.811	116786.1	11555.68	4655.751	5175.624
#3	3400.959	118525.7	11505.31	4753.923	5204.429

Sample Name: P3518-13 Acquired: 8/15/2024 16:05:35 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0670991	-.000858	.8997544	-.020816	.0045061	162.9597
Stddev	.0017774	.000365	.0034390	.003925	.0025439	.3999
%RSD	2.648854	42.58803	.3822141	18.85793	56.45397	.2454003
#1	.0687465	-.001270	.8957836	-.017055	.0017694	162.7324
#2	.0652154	-.000728	.9017013	-.024888	.0049503	162.7252
#3	.0673352	-.000575	.9017782	-.020504	.0067987	163.4214

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.209562	.0101812	.0084063	84.79146	.2490305	.1268334
Stddev	.003596	.0001586	.0002058	.52916	.0008307	.0006870
%RSD	.2973176	1.557704	2.448116	.6240766	.3335610	.5416255
#1	1.208445	.0102802	.0081689	84.80417	.2483466	.1260493
#2	1.206657	.0099983	.0085331	84.25605	.2487901	.1271213
#3	1.213584	.0102650	.0085170	85.31415	.2499549	.1273294

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5437775	255.1272	6.127790	51.00311	.2871480	.0128142
Stddev	.0018542	.4726	.033546	.19694	.0015555	.0000933
%RSD	.3409842	.1852397	.5474469	.3861327	.5417211	.7284095
#1	.5416480	255.2763	6.119352	50.96331	.2853534	.0129176
#2	.5450349	255.5072	6.099267	50.82912	.2881104	.0127890
#3	.5446495	254.5980	6.164749	51.21692	.2879802	.0127360

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.845305	.4760033	1.479683	24.76985	.0721734	.0091888
Stddev	.017426	.0015573	.006459	.08649	.0030571	.0001859
%RSD	.6124490	.3271707	.4365003	.3491586	4.235806	2.023188
#1	2.843870	.4748372	1.485813	24.75648	.0729917	.0093651
#2	2.863404	.4754009	1.472939	24.86224	.0747381	.0089946
#3	2.828641	.4777719	1.480297	24.69083	.0687904	.0092067

Sample Name: P3518-13 Acquired: 8/15/2024 16:05:35 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0996443	6.287103	F 14.70835	F 17.90917	6.791551	3.846655
Stddev	.0004370	.026505	.09130	.09260	.028575	.010330
%RSD	.4385137	.4215756	.6207615	.5170322	.4207366	.2685559
#1	.0992604	6.284529	14.67960	17.80280	6.758728	3.835678
#2	.0995526	6.261979	14.81057	17.97176	6.805042	3.856187
#3	.1001197	6.314801	14.63489	17.95295	6.810881	3.848099

Elem	Sr4077
Units	ppm
Avg	.0356294
Stddev	.0013514
%RSD	3.792926
#1	.0347544
#2	.0349479
#3	.0371858

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3448.283	116254.5	11859.75	4707.217	5126.572
Stddev	14.973	564.4	100.17	22.891	27.802
%RSD	.4342123	.4854450	.8446301	.4862867	.5423182
#1	3465.206	115603.9	11808.40	4680.799	5157.355
#2	3442.883	116548.0	11975.19	4721.171	5119.071
#3	3436.758	116611.7	11795.68	4719.680	5103.289

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: PB162626BL Acquired: 8/15/2024 16:15:01 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000711	-.001309	-.000840	-.000078	.0003763	.0016089
Stddev	.000998	.000473	.000317	.001507	.0006346	.0082348
%RSD	140.4260	36.10419	37.71582	1940.463	168.6572	511.8207
#1	-.000333	-.000962	-.000988	.000729	-.000265	.0103665
#2	.000043	-.001848	-.000476	-.001816	.001005	.0004380
#3	-.001843	-.001119	-.001055	.000854	.000389	-.005978

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005913	.0000250	-.000017	-.004533	-.000042	-.000217
Stddev	.0009715	.0000260	.000080	.008081	.000174	.000088
%RSD	164.2963	104.2351	464.2016	178.2546	411.4965	40.80588
#1	.0017086	.0000066	.000044	-.003851	-.000163	-.000189
#2	.0001197	.0000135	.000012	-.012934	.000158	-.000145
#3	-.000054	.0000548	-.000108	.003185	-.000122	-.000315

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000201	.0000666	-.000275	.0006233	-.000100	.0001986
Stddev	.000374	.0024597	.000327	.0087835	.000146	.0003166
%RSD	186.6096	3695.139	119.0368	1409.076	146.0215	159.4473
#1	-.000370	-.001629	-.000151	-.002251	.000027	-.000153
#2	.000229	-.001059	-.000028	-.006363	-.000067	.000289
#3	-.000461	.002888	-.000646	.010484	-.000259	.000460

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.034324	-.001010	-.000838	-.075892	-.002424	.0001263
Stddev	.006393	.001671	.000235	.011997	.000598	.0000996
%RSD	18.62641	165.4311	28.06141	15.80787	24.64635	78.85356
#1	-.038060	-.001818	-.000582	-.068332	-.002835	.0000133
#2	-.026942	-.002124	-.000887	-.069619	-.002699	.0001645
#3	-.037971	.000911	-.001045	-.089725	-.001739	.0002013

Sample Name: PB162626BL Acquired: 8/15/2024 16:15:01 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001902	.0009616	-.000604	.0006981	.0084095	F .0621478
Stddev	.000227	.0008251	.003814	.0001345	.0013623	.0418765
%RSD	11.95845	85.80226	631.8564	19.27075	16.19894	67.38215
#1	-.001925	.0005094	-.003857	.0008533	.0099797	.0187841
#2	-.002118	.0019139	-.001546	.0006155	.0077060	.0653003
#3	-.001664	.0004615	.003593	.0006255	.0075429	.1023589

Elem	Sr4077
Units	ppm
Avg	-.000099
Stddev	.000061
%RSD	61.50491
#1	-.000030
#2	-.000120
#3	-.000146

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3358.606	109512.1	10335.17	4544.860	6117.465
Stddev	3.788	392.8	212.99	22.585	10.251
%RSD	.1127843	.3586494	2.060873	.4969308	.1675712
#1	3355.758	109060.7	10251.87	4519.471	6115.603
#2	3362.905	109776.3	10176.42	4552.398	6108.272
#3	3357.154	109699.1	10577.23	4562.712	6128.519

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3518-15 Acquired: 8/15/2024 16:19:27 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0461929	-.002375	1.060629	-.015100	.0030775	120.4005
Stddev	.0020784	.000252	.002499	.000595	.0009175	.2867
%RSD	4.499511	10.63291	.2356178	3.942505	29.81254	.2381142
#1	.0443657	-.002666	1.062369	-.015496	.0040605	120.0882
#2	.0457589	-.002238	1.057765	-.015388	.0022438	120.4617
#3	.0484541	-.002220	1.061752	-.014415	.0029283	120.6517

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.333890	.0085011	.0065978	66.46062	.2358989	.0832087
Stddev	.006912	.0000401	.0000951	.34933	.0011225	.0002995
%RSD	.5181753	.4717039	1.440854	.5256263	.4758380	.3599387
#1	1.328241	.0084739	.0066625	66.07881	.2346096	.0835467
#2	1.331831	.0085471	.0066422	66.53885	.2366591	.0829762
#3	1.341597	.0084821	.0064887	66.76421	.2364280	.0831032

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4555771	186.2379	4.835270	30.72647	.1696144	.0093477
Stddev	.0008097	.9038	.017096	.09438	.0004741	.0002437
%RSD	.1777341	.4853067	.3535645	.3071720	.2795051	2.606593
#1	.4563957	185.7669	4.817816	30.62425	.1695270	.0095638
#2	.4547765	185.6669	4.836011	30.81031	.1691901	.0090836
#3	.4555592	187.2800	4.851984	30.74485	.1701261	.0093956

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.030362	.3472135	1.235868	16.91155	.0533918	.0058333
Stddev	.009642	.0027869	.003635	.05306	.0013466	.0001654
%RSD	.4749045	.8026461	.2941486	.3137334	2.522112	2.835939
#1	2.019451	.3469653	1.232138	16.91387	.0536905	.0059382
#2	2.033899	.3445589	1.239401	16.85737	.0519210	.0056426
#3	2.037736	.3501161	1.236064	16.96341	.0545640	.0059191

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3518-15 Acquired: 8/15/2024 16:19:27 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0879813	4.058795	F 11.88364	F 15.34159	4.714095	2.323077
Stddev	.0011211	.019646	.04518	.00656	.002437	.021905
%RSD	1.274283	.4840306	.3801770	.0427279	.0516915	.9429315
#1	.0874384	4.040743	11.85556	15.34889	4.715033	2.326513
#2	.0872349	4.055925	11.85961	15.33621	4.715923	2.343061
#3	.0892705	4.079719	11.93576	15.33967	4.711328	2.299657

Elem	Sr4077
Units	ppm
Avg	.0502814
Stddev	.0002218
%RSD	.4411813
#1	.0501381
#2	.0505370
#3	.0501692

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3439.908	122046.8	11964.76	4855.243	5341.928
Stddev	3.734	220.9	50.24	6.593	3.863
%RSD	.1085481	.1809981	.4198657	.1357814	.0723080
#1	3435.768	122294.2	11998.78	4848.006	5343.286
#2	3440.933	121869.4	11907.06	4856.819	5344.928
#3	3443.022	121976.6	11988.43	4860.906	5337.570

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CCV05 Acquired: 8/15/2024 16:23:38 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.725061	4.983127	4.810747	4.777540	4.835147	9.593985
Stddev	.020046	.067936	.018450	.018986	.017116	.058576
%RSD	.4242389	1.363313	.3835233	.3973950	.3539944	.6105472
#1	4.734193	5.061494	4.819933	4.795177	4.843741	9.526419
#2	4.702075	4.946978	4.789507	4.757445	4.815437	9.625077
#3	4.738914	4.940908	4.822801	4.779999	4.846264	9.630459

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.877702	.2640446	2.343908	25.14986	.9453512	2.349815
Stddev	.108740	.0015368	.010858	.14269	.0054798	.011353
%RSD	1.100868	.5820130	.4632359	.5673711	.5796596	.4831649
#1	9.776262	.2627035	2.349459	24.98510	.9390935	2.354307
#2	9.992508	.2657215	2.331397	25.23342	.9476687	2.336903
#3	9.864335	.2637088	2.350868	25.23107	.9492916	2.358235

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.210765	4.762220	2.483969	23.99692	2.371512	1.241126
Stddev	.004746	.027469	.012003	.10484	.011604	.003687
%RSD	.3920192	.5768172	.4832025	.4368808	.4893277	.2970729
#1	1.212461	4.741986	2.470164	23.93814	2.376374	1.239112
#2	1.205404	4.751183	2.491931	24.11796	2.358267	1.238885
#3	1.214430	4.793492	2.489813	23.93466	2.379894	1.245382

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	22.90009	2.397094	2.529706	23.43030	5.163371	4.968291
Stddev	.16626	.010988	.006528	.16582	.025550	.024898
%RSD	.7260449	.4583701	.2580552	.7077365	.4948294	.5011328
#1	22.86104	2.384475	2.528318	23.36518	5.143227	4.987523
#2	22.75682	2.404544	2.523984	23.30691	5.192110	4.940168
#3	23.08240	2.402264	2.536817	23.61880	5.154775	4.977182

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CCV05 Acquired: 8/15/2024 16:23:38 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.686267	5.037629	4.731042	4.600823	F 4.432231	F .2390543
Stddev	.020665	.023469	.044755	.020417	.022609	.0360380
%RSD	.4409610	.4658751	.9459870	.4437647	.5101130	15.07524
#1	4.701205	5.011018	4.712420	4.617918	4.447929	.2416982
#2	4.662684	5.046494	4.698605	4.578216	4.406316	.2736975
#3	4.694913	5.055374	4.782101	4.606336	4.442447	.2017671

Elem	Sr4077
Units	ppm
Avg	5.014814
Stddev	.046616
%RSD	.9295701
#1	4.999445
#2	5.067174
#3	4.977822

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3292.704	106212.1	9906.667	4338.463	5782.365
Stddev	10.426	277.9	47.903	19.191	19.520
%RSD	.3166446	.2616004	.4835424	.4423525	.3375767
#1	3289.992	106127.9	9920.003	4317.183	5777.310
#2	3304.218	106522.3	9853.509	4354.457	5803.915
#3	3283.902	105986.1	9946.489	4343.750	5765.870

Sample Name: CCB05 Acquired: 8/15/2024 16:27:57 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001152	-.002088	-.000139	.0010341	.0009301	.0005131
Stddev	.000282	.000636	.000152	.0016021	.0004220	.0014043
%RSD	24.50235	30.48303	109.7342	154.9287	45.36966	273.7176
#1	-.000877	-.001362	-.000012	.0026346	.0004748	-.000392
#2	-.001441	-.002353	-.000096	-.000570	.0013081	.002131
#3	-.001139	-.002549	-.000307	.001037	.0010073	-.000200

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019950	.0000492	.0000342	-.012351	.0002732	.0000233
Stddev	.0004016	.0000302	.0000293	.010940	.0001077	.0000521
%RSD	20.12918	61.43260	85.85403	88.57990	39.42957	223.5524
#1	.0019727	.0000194	.0000180	-.008316	.0001762	.0000063
#2	.0016051	.0000483	.0000680	-.004001	.0003891	-.000018
#3	.0024073	.0000798	.0000165	-.024735	.0002542	.000082

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000030	.0002429	-.000143	-.018725	.0000775	.0000139
Stddev	.000353	.0006753	.000259	.018046	.0002235	.0001906
%RSD	1158.475	277.9758	181.6522	96.37590	288.1932	1371.927
#1	-.000255	-.000211	.000098	-.002486	.0003028	.0002271
#2	-.000213	.001019	-.000109	-.015536	.0000739	-.000140
#3	.000376	-.000080	-.000417	-.038153	-.000144	-.000045

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.012922	-.001050	-.001000	-.049932	.0038467	.0005312
Stddev	.002776	.000923	.000033	.009822	.0003470	.0000818
%RSD	21.48665	87.95723	3.271421	19.67129	9.021578	15.39342
#1	-.010800	-.001605	-.000963	-.054281	.0041263	.0006138
#2	-.011900	-.001561	-.001011	-.056828	.0039556	.0005294
#3	-.016064	.000016	-.001025	-.038686	.0034583	.0004503

Sample Name: CCB05 Acquired: 8/15/2024 16:27:57 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB05 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001310	.0004755	.0043934	-.001504	.0031652	F .0529740
Stddev	.000512	.0004572	.0081968	.001550	.0022264	.0327224
%RSD	39.05664	96.15040	186.5713	103.0117	70.34162	61.77067
#1	-.001821	.0005716	-.004629	-.002862	.0008287	.0196978
#2	-.000798	.0008771	.011380	-.001835	.0034047	.0541112
#3	-.001310	-.000022	.006429	.000184	.0052621	.0851129

Elem	Sr4077
Units	ppm
Avg	-.000032
Stddev	.000007
%RSD	23.33237
#1	-.000038
#2	-.000024
#3	-.000032

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3165.963	109061.2	10213.05	4493.868	5682.861
Stddev	40.219	907.8	75.04	34.790	76.750
%RSD	1.270342	.8323574	.7347930	.7741575	1.350546
#1	3210.831	108151.7	10279.16	4460.610	5768.392
#2	3153.906	109064.6	10131.48	4490.984	5660.188
#3	3133.152	109967.3	10228.51	4530.010	5620.002

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3518-17 Acquired: 8/15/2024 16:32:23 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0598735	-.003466	.9763438	-.018826	.0059573	157.2679
Stddev	.0011566	.002842	.0014113	.002499	.0016227	.2219
%RSD	1.931753	81.97876	.1445535	13.27250	27.23860	.1411172
#1	.0596212	-.006585	.9749163	-.016284	.0054181	157.0176
#2	.0611354	-.001025	.9777384	-.018917	.0046728	157.4405
#3	.0588639	-.002789	.9763767	-.021279	.0077809	157.3456

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.289868	.0106027	.0085515	91.71678	.2878261	.1173532
Stddev	.002936	.0000366	.0000915	.15588	.0007225	.0002954
%RSD	.2276533	.3447412	1.069801	.1699603	.2510264	.2517536
#1	1.288620	.0106444	.0086374	91.54220	.2886486	.1176571
#2	1.293222	.0105761	.0085617	91.76612	.2875356	.1170670
#3	1.287762	.0105876	.0084553	91.84203	.2872939	.1173355

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5823059	222.9874	6.304751	41.48157	.2303901	.0109023
Stddev	.0003715	.4677	.013459	.09208	.0004934	.0001842
%RSD	.0638048	.2097348	.2134701	.2219886	.2141381	1.689098
#1	.5819490	222.9441	6.291609	41.38532	.2305466	.0106977
#2	.5826905	222.5429	6.304140	41.49055	.2307863	.0110548
#3	.5822783	223.4752	6.318505	41.56883	.2298375	.0109543

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.398844	.4127231	1.743621	24.74052	.0854194	.0084598
Stddev	.011545	.0040100	.004453	.05735	.0004898	.0002037
%RSD	.3396887	.9715918	.2553694	.2317918	.5733774	2.407373
#1	3.386600	.4088260	1.747350	24.69094	.0849192	.0082506
#2	3.409533	.4168372	1.738691	24.80333	.0858980	.0086574
#3	3.400399	.4125061	1.744821	24.72731	.0854410	.0084714

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3518-17 Acquired: 8/15/2024 16:32:23 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2088020	5.224094	F 12.80396	F 19.23375	7.416203	3.148014
Stddev	.0010012	.006181	.01828	.04998	.011383	.053435
%RSD	.4795159	.1183173	.1427671	.2598794	.1534887	1.697434
#1	.2097438	5.218506	12.79492	19.28794	7.421201	3.089182
#2	.2089120	5.230733	12.79196	19.22385	7.424231	3.161326
#3	.2077504	5.223043	12.82500	19.18945	7.403176	3.193536

Elem	Sr4077
Units	ppm
Avg	.1121707
Stddev	.0006303
%RSD	.5619348
#1	.1118588
#2	.1128961
#3	.1117571

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3484.069	118379.8	11843.50	4765.384	5224.806
Stddev	3.056	180.0	11.01	6.924	1.578
%RSD	.0877259	.1520385	.0929864	.1453045	.0302061
#1	3485.940	118172.0	11833.03	4757.993	5223.077
#2	3485.725	118488.8	11842.49	4771.721	5226.168
#3	3480.542	118478.5	11854.99	4766.439	5225.173

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3518-19 Acquired: 8/15/2024 16:36:33 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0563289	-.006183	.8981704	-.018888	.0049488	146.9153
Stddev	.0006247	.002390	.0122785	.003014	.0017667	.0942
%RSD	1.109043	38.65431	1.367062	15.95524	35.69865	.0641107
#1	.0565766	-.007347	.8849876	-.015409	.0055403	147.0159
#2	.0567917	-.003434	.9002425	-.020693	.0063438	146.9010
#3	.0556183	-.007769	.9092810	-.020561	.0029623	146.8291

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.142911	.0097554	.0080752	80.22700	.2265939	.1019513
Stddev	.003683	.0000085	.0002727	.15964	.0004757	.0010251
%RSD	.3222194	.0871160	3.376580	.1989872	.2099399	1.005428
#1	1.146788	.0097636	.0077646	80.11960	.2260766	.1008669
#2	1.142488	.0097467	.0081859	80.41045	.2266924	.1020825
#3	1.139459	.0097560	.0082751	80.15095	.2270125	.1029044

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5719777	215.2233	5.343220	40.39412	.2214712	.0100307
Stddev	.0077291	.8644	.009084	.16304	.0025691	.0000805
%RSD	1.351303	.4016232	.1700045	.4036353	1.160026	.8020296
#1	.5639130	214.5812	5.337561	40.25238	.2185996	.0100569
#2	.5726994	214.8824	5.353698	40.57230	.2222620	.0099405
#3	.5793207	216.2061	5.338401	40.35767	.2235519	.0100949

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.534742	.4022610	1.372290	21.65126	.0639485	.0072486
Stddev	.019685	.0007926	.002528	.05914	.0015859	.0001572
%RSD	.7765889	.1970437	.1842325	.2731396	2.479994	2.168642
#1	2.541807	.4013566	1.372322	21.63039	.0643976	.0073804
#2	2.512500	.4028351	1.369746	21.60539	.0621864	.0072907
#3	2.549919	.4025912	1.374802	21.71800	.0652614	.0070746

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3518-19 Acquired: 8/15/2024 16:36:33 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1139635	4.818835	F 11.89935	F 17.75531	6.071365	3.018964
Stddev	.0013079	.008112	.05491	.18709	.067259	.016386
%RSD	1.147619	.1683313	.4614672	1.053721	1.107799	.5427556
#1	.1125298	4.821829	11.88112	17.54849	5.997101	3.003297
#2	.1142694	4.825025	11.85588	17.80466	6.088814	3.035985
#3	.1150913	4.809653	11.96106	17.91277	6.128179	3.017611

Elem	Sr4077
Units	ppm
Avg	.0641203
Stddev	.0014461
%RSD	2.255296
#1	.0653413
#2	.0644962
#3	.0625234

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3362.979	120261.5	12067.05	4831.760	5055.746
Stddev	30.986	388.5	34.38	5.495	45.635
%RSD	.9213738	.3230856	.2849178	.1137309	.9026415
#1	3393.413	120543.4	12069.92	4833.674	5104.356
#2	3364.054	120422.8	12031.32	4836.042	5049.056
#3	3331.470	119818.3	12099.90	4825.563	5013.824

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3518-21 Acquired: 8/15/2024 16:40:42 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0463471	-.002221	.7351290	-.015456	.0018558	131.5979
Stddev	.0004250	.003011	.0043946	.002924	.0018848	.5170
%RSD	.9170578	135.5714	.5977938	18.91825	101.5616	.3928880
#1	.0468134	-.005357	.7400145	-.018821	.0037334	131.0015
#2	.0462465	-.001955	.7338740	-.013541	-.000036	131.9200
#3	.0459814	.000648	.7314985	-.014005	.001870	131.8721

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.032321	.0091007	.0060964	61.03505	.1860565	.0846971
Stddev	.002626	.0000591	.0000988	.40914	.0005669	.0001159
%RSD	.2543464	.6498047	1.621166	.6703383	.3046956	.1368767
#1	1.029647	.0090647	.0060068	60.58762	.1866801	.0848172
#2	1.034895	.0090683	.0060799	61.39011	.1855722	.0845858
#3	1.032422	.0091689	.0062024	61.12743	.1859173	.0846884

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3952811	180.7630	4.578488	29.47420	.1652196	.0079370
Stddev	.0010644	.4484	.022760	.20400	.0002698	.0005285
%RSD	.2692690	.2480592	.4970991	.6921397	.1633090	6.658131
#1	.3960427	181.2670	4.552352	29.25074	.1654991	.0083296
#2	.3957356	180.4082	4.589176	29.65048	.1651991	.0081452
#3	.3940649	180.6138	4.593937	29.52138	.1649606	.0073361

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.888266	.3402058	1.173508	16.78709	.0432627	.0060585
Stddev	.007711	.0011889	.003115	.06562	.0010087	.0002404
%RSD	.4083405	.3494683	.2654426	.3908676	2.331551	3.967972
#1	1.892469	.3397923	1.176917	16.85039	.0442060	.0058892
#2	1.879367	.3415462	1.170810	16.79149	.0421993	.0059527
#3	1.892961	.3392788	1.172797	16.71938	.0433826	.0063337

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3518-21 Acquired: 8/15/2024 16:40:42 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2702183	4.244369	F 12.02194	F 15.09769	4.298523	2.335946
Stddev	.0008840	.020851	.04635	.06161	.013649	.032004
%RSD	.3271314	.4912695	.3855101	.4080891	.3175184	1.370067
#1	.2711927	4.220585	12.07215	15.16725	4.284412	2.303072
#2	.2699943	4.259507	11.98080	15.07583	4.299501	2.367003
#3	.2694679	4.253014	12.01287	15.04998	4.311656	2.337762

Elem	Sr4077
Units	ppm
Avg	.0413841
Stddev	.0011412
%RSD	2.757481
#1	.0401758
#2	.0424435
#3	.0415331

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3377.851	120623.7	11792.84	4811.097	5206.534
Stddev	6.324	312.9	69.35	18.596	10.125
%RSD	.1872198	.2594122	.5880959	.3865185	.1944612
#1	3375.605	120317.0	11867.58	4790.828	5200.346
#2	3372.957	120611.6	11730.58	4815.094	5201.038
#3	3384.992	120942.5	11780.35	4827.369	5218.218

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3518-23 Acquired: 8/15/2024 16:44:52 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0626470	-.004511	1.191851	-.021755	.0059717	161.3127
Stddev	.0025940	.000672	.007925	.003369	.0011724	.8345
%RSD	4.140588	14.89116	.6649104	15.48440	19.63287	.5173222
#1	.0646743	-.004886	1.182908	-.022853	.0047952	161.5544
#2	.0597239	-.004912	1.194641	-.024437	.0059800	160.3840
#3	.0635429	-.003736	1.198003	-.017974	.0071400	161.9997

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.227690	.0100263	.0074051	101.7972	.2421585	.1201643
Stddev	.007074	.0000488	.0002036	.7775	.0015246	.0009286
%RSD	.5761711	.4866758	2.750185	.7637811	.6296011	.7727409
#1	1.229829	.0100518	.0071820	102.0106	.2438789	.1192384
#2	1.219794	.0099700	.0074524	100.9352	.2416221	.1210955
#3	1.233448	.0100570	.0075810	102.4457	.2409746	.1201590

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5576169	254.1425	5.719334	54.54757	.2357059	.0138263
Stddev	.0049834	1.6757	.033778	.25936	.0016043	.0001996
%RSD	.8936865	.6593651	.5905948	.4754705	.6806258	1.443751
#1	.5523516	255.9994	5.731985	54.71900	.2339508	.0137695
#2	.5582393	253.6854	5.681057	54.24919	.2360702	.0140482
#3	.5622599	252.7428	5.744961	54.67453	.2370968	.0136613

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.931581	.4603103	1.464089	26.75826	.0782663	.0085989
Stddev	.020358	.0008523	.016568	.17646	.0021241	.0000559
%RSD	.6944388	.1851589	1.131626	.6594429	2.713992	.6506495
#1	2.949401	.4609336	1.482968	26.96094	.0797354	.0085367
#2	2.935949	.4593390	1.451968	26.67506	.0792327	.0086452
#3	2.909394	.4606582	1.457330	26.63879	.0758308	.0086147

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3518-23 Acquired: 8/15/2024 16:44:52 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1546707	6.614263	F 11.23817	F 15.38233	6.075675	3.744895
Stddev	.0004280	.047336	.06324	.08735	.028587	.028275
%RSD	.2767109	.7156700	.5627674	.5678639	.4705181	.7550168
#1	.1543368	6.619774	11.30141	15.28230	6.051539	3.764440
#2	.1551532	6.564413	11.23818	15.42109	6.068242	3.712474
#3	.1545222	6.658603	11.17492	15.44359	6.107245	3.757770

Elem	Sr4077
Units	ppm
Avg	.0519346
Stddev	.0028054
%RSD	5.401866
#1	.0506076
#2	.0500388
#3	.0551573

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3671.993	118862.2	11989.90	4761.605	5501.904
Stddev	10.081	718.3	82.25	35.850	23.720
%RSD	.2745389	.6043161	.6859848	.7528903	.4311241
#1	3683.620	118033.8	11976.99	4722.775	5528.909
#2	3665.686	119240.3	12077.83	4793.445	5492.362
#3	3666.673	119312.5	11914.86	4768.595	5484.441

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3596-01 Acquired: 8/15/2024 16:49:02 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011751	-.001615	.0031579	-.002021	.0000798	.2323817	.1100908
Stddev	.0004764	.001241	.0009918	.000457	.0001693	.0031685	.0010168
%RSD	40.54301	76.83718	31.40661	22.61098	212.2295	1.363477	.9236454
#1	.0010177	-.001310	.0033241	-.001538	-.000108	.2287601	.1097046
#2	.0017103	-.000555	.0020936	-.002447	.000126	.2346421	.1112442
#3	.0007973	-.002979	.0040562	-.002076	.000221	.2337430	.1093236

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000675	-.000055	36.73017	.0010751	.0012867	.0079635	5.537555
Stddev	.0000588	.000083	.15348	.0000846	.0000787	.0001511	.029274
%RSD	87.11753	151.8089	.4178675	7.867723	6.117672	1.896718	.5286403
#1	.0001345	.000033	36.72545	.0010319	.0012898	.0081036	5.530181
#2	.0000242	-.000133	36.88596	.0010209	.0012066	.0078035	5.569810
#3	.0000439	-.000065	36.57911	.0011726	.0013639	.0079835	5.512673

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8902334	5.728032	.0021923	.0002269	113.1590	.0005839	.0733645
Stddev	.0024410	.048686	.0001290	.0000785	.2793	.0015697	.0004262
%RSD	.2741939	.8499591	5.886650	34.59268	.2468208	268.8214	.5809334
#1	.8896953	5.694398	.0020709	.0002281	112.8541	-.000257	.0729456
#2	.8928985	5.783860	.0021781	.0001478	113.4024	.002395	.0733503
#3	.8881064	5.705837	.0023278	.0003048	113.2206	-.000386	.0737976

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.600330	.1248970	.0009229	-.011058	.0048898	4.032414	.1817051
Stddev	.009187	.0012052	.0000865	.000427	.0006982	.003806	.0014261
%RSD	.1997118	.9649303	9.373656	3.860467	14.27902	.0943773	.7848201
#1	4.599104	.1261680	.0008270	-.010926	.0048593	4.030443	.1824591
#2	4.610069	.1247523	.0009465	-.010712	.0056027	4.036801	.1825959
#3	4.591817	.1237708	.0009951	-.011535	.0042073	4.029998	.1800604

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3596-01 Acquired: 8/15/2024 16:49:02 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.812494	.3069976	.2166482
Stddev	.007971	.0397179	.0007105
%RSD	.1371285	12.93752	.3279378
#1	5.803532	.2617670	.2159333
#2	5.818791	.3361821	.2173542
#3	5.815157	.3230436	.2166569

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3180.306	109538.4	10537.74	4424.183	5572.507
Stddev	14.262	392.9	58.39	11.889	25.677
%RSD	.4484469	.3586524	.5540701	.2687247	.4607858
#1	3196.764	109459.8	10514.01	4436.852	5598.994
#2	3171.567	109190.8	10494.94	4422.427	5547.725
#3	3172.586	109964.6	10604.25	4413.269	5570.803

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3596-01DUP Acquired: 8/15/2024 16:53:23 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006287	-.002746	.0031642	-.001232	-.001009	.2202061	.1072472
Stddev	.0004185	.000523	.0012127	.003676	.001328	.0052925	.0018534
%RSD	66.55397	19.05896	38.32503	298.3615	131.5371	2.403416	1.728173
#1	.0001707	-.003318	.0040485	-.005157	-.000032	.2233890	.1087840
#2	.0009909	-.002628	.0017818	.002130	-.000475	.2140966	.1077686
#3	.0007247	-.002291	.0036624	-.000669	-.002521	.2231325	.1051889

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000836	-.000011	35.50657	.0008798	.0012106	.0071096	5.509779
Stddev	.0000230	.000018	.42421	.0001386	.0001430	.0005729	.018840
%RSD	27.52047	160.9949	1.194739	15.75350	11.81015	8.058565	.3419417
#1	.0001093	-.000014	35.90918	.0008347	.0013137	.0068056	5.491093
#2	.0000768	-.000027	35.54690	.0007694	.0012707	.0077705	5.509473
#3	.0000648	.000008	35.06364	.0010353	.0010474	.0067528	5.528770

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8719368	5.543471	.0016695	.0001449	113.2600	.0009673	.0572550
Stddev	.0082529	.039286	.0001993	.0002406	.4516	.0008590	.0003789
%RSD	.9465036	.7086931	11.94090	166.0692	.3987279	88.80109	.6617346
#1	.8805369	5.570768	.0014740	.0004078	112.8590	.0002932	.0569036
#2	.8711918	5.561200	.0016620	-.000064	113.1717	.0006742	.0572052
#3	.8640816	5.498445	.0018725	.000091	113.7492	.0019345	.0576564

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.564821	.1233681	.0009997	-.010807	.0047079	4.017735	.1764914
Stddev	.008544	.0006533	.0001971	.000299	.0009656	.026867	.0040669
%RSD	.1871747	.5295493	19.71768	2.764220	20.50995	.6687052	2.304323
#1	4.555463	.1238793	.0008475	-.011152	.0048699	3.991448	.1767571
#2	4.566796	.1235929	.0012224	-.010617	.0055822	4.016611	.1804189
#3	4.572206	.1226321	.0009292	-.010653	.0036715	4.045146	.1722981

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3596-01DUP Acquired: 8/15/2024 16:53:23 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.815249	.2609639	.2127764
Stddev	.089628	.0616368	.0022955
%RSD	1.541264	23.61890	1.078844
#1	5.799583	.1905867	.2151007
#2	5.911677	.3053387	.2127177
#3	5.734485	.2869661	.2105107

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3108.997	108136.6	10527.35	4399.634	5442.444
Stddev	44.045	758.3	79.66	26.842	77.803
%RSD	1.416697	.7012061	.7567248	.6100910	1.429555
#1	3126.658	108980.8	10461.68	4430.528	5461.328
#2	3058.862	107915.4	10504.40	4382.030	5356.937
#3	3141.470	107513.5	10615.97	4386.343	5509.067

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3596-01LX5 Acquired: 8/15/2024 16:57:46 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007850	-.001786	.0004059	-.000545	.0004544	.0485767	.0217331
Stddev	.0007683	.000632	.0002716	.003381	.0006625	.0032081	.0004607
%RSD	97.88245	35.38567	66.91648	619.8475	145.7881	6.604140	2.119640
#1	.0005688	-.001357	.0007069	-.001462	-.000191	.0521119	.0212230
#2	.0016382	-.001488	.0001791	-.003373	.001133	.0477676	.0221188
#3	.0001478	-.002511	.0003317	.003199	.000422	.0458506	.0218576

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000478	-.000062	7.094705	.0002185	.0001987	.0015371	1.050343
Stddev	.0000186	.000068	.044229	.0003273	.0000396	.0000817	.001743
%RSD	39.02578	108.6438	.6234056	149.7810	19.93068	5.314054	.1659261
#1	.0000396	-.000067	7.044187	.0005930	.0002434	.0015476	1.051046
#2	.0000691	-.000128	7.113470	.0000749	.0001679	.0016130	1.048359
#3	.0000346	.000007	7.126457	-.000012	.0001848	.0014506	1.051625

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1721984	1.089412	.0003264	.0001033	20.75718	-.001193	.0116894
Stddev	.0010611	.012099	.0001793	.0000227	.02715	.000667	.0002788
%RSD	.6162303	1.110640	54.92119	21.94871	.1307999	55.89152	2.385126
#1	.1711640	1.091797	.0005187	.0000914	20.74229	-.000588	.0115952
#2	.1721468	1.100141	.0002968	.0001294	20.74073	-.001082	.0120031
#3	.1732844	1.076297	.0001638	.0000890	20.78852	-.001908	.0114699

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7737959	.0225964	.0001133	-.003464	.0011796	.7514565	.0350133
Stddev	.0378279	.0002326	.0000461	.000342	.0006831	.0116658	.0021929
%RSD	4.888620	1.029268	40.68203	9.863614	57.91536	1.552427	6.263110
#1	.7978230	.0223279	.0001281	-.003852	.0008008	.7649261	.0372630
#2	.7301916	.0227376	.0000616	-.003211	.0007697	.7445831	.0328820
#3	.7933730	.0227236	.0001502	-.003327	.0019682	.7448605	.0348949

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3596-01LX5 Acquired: 8/15/2024 16:57:46 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.107498	.0781717	.0421609
Stddev	.014516	.0514365	.0002329
%RSD	1.310679	65.79945	.5525058
#1	1.124246	.1374837	.0418926
#2	1.099690	.0512156	.0423108
#3	1.098556	.0458158	.0422794

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3152.646	111301.6	10473.47	4501.658	5613.825
Stddev	34.702	329.5	35.88	14.638	54.281
%RSD	1.100722	.2960367	.3426052	.3251745	.9669238
#1	3113.142	111378.5	10514.57	4518.498	5552.873
#2	3166.588	111585.9	10457.44	4494.492	5631.649
#3	3178.210	110940.5	10448.39	4491.983	5656.954

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3596-01MS Acquired: 8/15/2024 17:02:11 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7985783	1.952506	.9558776	1.985701	.8252876	2.173493	.3059185
Stddev	.0063652	.019613	.0023361	.006047	.0055458	.002532	.0014591
%RSD	.7970605	1.004500	.2443923	.3045447	.6719858	.1164958	.4769463
#1	.7949886	1.967802	.9535943	1.982895	.8242813	2.174468	.3045458
#2	.7948187	1.930394	.9582631	1.981566	.8203139	2.175392	.3074508
#3	.8059274	1.959320	.9557754	1.992641	.8312677	2.170618	.3057589

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2135647	.1845107	36.14272	.3735290	.1982381	.3175962	8.039497
Stddev	.0022072	.0001960	.06623	.0124960	.0002803	.0011093	.215595
%RSD	1.033485	.1062295	.1832512	3.345382	.1413974	.3492640	2.681702
#1	.2134833	.1847326	36.07569	.3800556	.1980459	.3170977	8.173703
#2	.2158114	.1843611	36.20812	.3814103	.1981087	.3168237	8.153980
#3	.2113993	.1844384	36.14436	.3591211	.1985597	.3188672	7.790810

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.063941	7.403890	.5037876	.0694558	109.4452	.2935990	.2701608
Stddev	.004062	.026550	.0005995	.0021920	2.7861	.0027030	.0099903
%RSD	.3817450	.3585890	.1190052	3.155968	2.545686	.9206515	3.697907
#1	1.059348	7.378962	.5040545	.0706050	110.8896	.2922604	.2756975
#2	1.067058	7.431808	.5031010	.0708343	111.2126	.2967101	.2761569
#3	1.065418	7.400900	.5042073	.0669282	106.2335	.2918265	.2586281

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.10116	.4069893	.4086904	.6760449	.2068424	4.494310	6.397431
Stddev	.36787	.0033718	.0016810	.0006381	.0006203	.105210	.029817
%RSD	2.608816	.8284840	.4113134	.0943841	.2998811	2.340968	.4660722
#1	14.31183	.4073946	.4085417	.6762937	.2072238	4.541613	6.402468
#2	14.31526	.4101402	.4070887	.6753199	.2061267	4.567566	6.424408
#3	13.67638	.4034331	.4104408	.6765210	.2071768	4.373751	6.365417

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3596-01MS Acquired: 8/15/2024 17:02:11 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.665618	4.022252	.4034825
Stddev	.017351	.016862	.0010159
%RSD	.3062518	.4192085	.2517813
#1	5.668606	4.025032	.4023197
#2	5.646967	4.037550	.4041979
#3	5.681281	4.004173	.4039300

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3137.448	113481.3	10471.72	4561.712	5468.000
Stddev	10.552	3072.5	48.64	146.007	5.662
%RSD	.3363249	2.707489	.4644599	3.200714	.1035407
#1	3139.409	111913.9	10512.03	4473.714	5470.965
#2	3146.882	111508.6	10417.70	4481.169	5471.563
#3	3126.053	117021.4	10485.42	4730.251	5461.472

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3596-01MSD Acquired: 8/15/2024 17:06:16 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8009658	1.999135	.9593270	1.995467	.8349030	2.074410	.2996726
Stddev	.0041748	.028016	.0056641	.010978	.0039783	.068848	.0120075
%RSD	.5212208	1.401397	.5904202	.5501414	.4764982	3.318901	4.006874
#1	.8057652	2.031023	.9657970	2.007407	.8394915	1.994966	.2858287
#2	.7981748	1.978471	.9552639	1.985812	.8324196	2.111580	.3059321
#3	.7989573	1.987912	.9569201	1.993182	.8327978	2.116684	.3072571

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2029619	.1855375	35.09898	.3848104	.1994180	.3180374	8.693830
Stddev	.0063887	.0014808	1.35134	.0012330	.0014785	.0020611	.073886
%RSD	3.147719	.7980859	3.850094	.3204054	.7414086	.6480620	.8498693
#1	.1956173	.1871264	33.54073	.3834391	.2010156	.3200742	8.609913
#2	.2072325	.1841960	35.94885	.3858273	.1980979	.3159528	8.722465
#3	.2060360	.1852902	35.80738	.3851648	.1991404	.3180852	8.749114

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.029927	7.072969	.5056275	.0734766	116.7119	.2836971	.2781695
Stddev	.038590	.234469	.0037046	.0011711	.6519	.0100931	.0009768
%RSD	3.746885	3.315002	.7326819	1.593842	.5585757	3.557696	.3511422
#1	.985419	6.806389	.5098876	.0721340	115.9637	.2720429	.2782966
#2	1.050322	7.165311	.5031612	.0742872	117.0142	.2895982	.2771354
#3	1.054040	7.247208	.5038338	.0740088	117.1578	.2894502	.2790765

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.06093	.3856373	.4137803	.6812413	.2007133	4.805531	6.341404
Stddev	.07887	.0118336	.0028802	.0047878	.0088016	.043574	.059200
%RSD	.5236993	3.068577	.6960707	.7027999	4.385183	.9067512	.9335487
#1	14.97509	.3719733	.4166662	.6867021	.1905514	4.759371	6.403782
#2	15.13021	.3925275	.4109059	.6777640	.2056455	4.845951	6.286000
#3	15.07750	.3924112	.4137689	.6792579	.2059429	4.811269	6.334432

Sample Name: P3596-01MSD Acquired: 8/15/2024 17:06:16 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.635258	3.826085	.3931491
Stddev	.037051	.138924	.0150207
%RSD	.6574910	3.630970	3.820615
#1	5.678027	3.665756	.3758106
#2	5.612942	3.910834	.4022098
#3	5.614804	3.901663	.4014270

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3126.534	107215.9	11076.86	4361.770	5451.932
Stddev	13.340	326.7	360.53	11.596	25.469
%RSD	.4266638	.3047247	3.254765	.2658498	.4671505
#1	3114.329	107394.9	11491.34	4355.932	5427.737
#2	3140.774	106838.8	10835.99	4375.125	5478.507
#3	3124.497	107413.9	10903.23	4354.254	5449.553

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3596-01A Acquired: 8/15/2024 17:10:21 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7905157	1.900668	.9499823	1.961501	.8269623	2.144566	.3065426
Stddev	.0099728	.023890	.0153957	.031784	.0138520	.012845	.0022164
%RSD	1.261555	1.256915	1.620634	1.620393	1.675048	.5989657	.7230453
#1	.7794215	1.880240	.9322920	1.925299	.8111877	2.129849	.3041701
#2	.7933900	1.894827	.9573050	1.974383	.8325584	2.153521	.3085602
#3	.7987358	1.926937	.9603500	1.984822	.8371409	2.150329	.3068973

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2121126	.1830862	36.54295	.3809332	.1963837	.3149537	8.325982
Stddev	.0013778	.0026747	.18713	.0009885	.0029375	.0048869	.033794
%RSD	.6495720	1.460878	.5120849	.2594971	1.495784	1.551616	.4058828
#1	.2106866	.1799987	36.35274	.3800204	.1930519	.3094679	8.339056
#2	.2134365	.1845642	36.72685	.3819831	.1974992	.3165520	8.287605
#3	.2122146	.1846958	36.54927	.3807961	.1986001	.3188414	8.351286

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.070376	7.437953	.4994842	.0701231	113.9585	.2912301	.2758199
Stddev	.005654	.054123	.0078054	.0018318	.2475	.0023473	.0014251
%RSD	.5281899	.7276561	1.562692	2.612277	.2171865	.8059922	.5166628
#1	1.065603	7.392522	.4905851	.0702091	113.7865	.2900129	.2758994
#2	1.076620	7.497834	.5026972	.0682497	113.8469	.2939360	.2772035
#3	1.068906	7.423504	.5051702	.0719103	114.2422	.2897414	.2743567

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.46461	.4077306	.4110779	.6754406	.2066852	4.661615	6.358470
Stddev	.04191	.0021536	.0066505	.0114192	.0011036	.029677	.089759
%RSD	.2897358	.5281967	1.617826	1.690625	.5339396	.6366188	1.411639
#1	14.41669	.4054682	.4036057	.6624229	.2056957	4.639662	6.257426
#2	14.49439	.4097558	.4132800	.6801320	.2078753	4.649805	6.389012
#3	14.48276	.4079678	.4163482	.6837668	.2064846	4.695379	6.428972

Sample Name: P3596-01A Acquired: 8/15/2024 17:10:21 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.652571	4.044136	.4047608
Stddev	.078886	.010135	.0030325
%RSD	1.395584	.2506217	.7492165
#1	5.564416	4.041550	.4017879
#2	5.676786	4.055313	.4078496
#3	5.716512	4.035543	.4046449

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3109.311	108553.6	10332.73	4376.393	5425.113
Stddev	48.859	120.5	63.58	5.366	78.952
%RSD	1.571378	.1109794	.6153307	.1226079	1.455307
#1	3164.738	108557.7	10394.75	4378.171	5515.406
#2	3090.715	108672.0	10267.70	4370.364	5390.872
#3	3072.481	108431.1	10335.73	4380.644	5369.063

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CCV06 Acquired: 8/15/2024 17:14:26 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV06 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.868866	5.166773	4.922290	4.952119	4.953719	9.741222
Stddev	.073957	.034981	.081603	.075291	.083616	.097807
%RSD	1.518983	.6770398	1.657825	1.520374	1.687953	1.004053
#1	4.897983	5.188587	4.969815	4.986929	4.987011	9.846838
#2	4.923834	5.185307	4.968990	5.003706	5.015561	9.653771
#3	4.784782	5.126425	4.828064	4.865722	4.858585	9.723055

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.05758	.2667033	2.387656	25.56268	.9458610	2.389219
Stddev	.08304	.0036549	.035966	.28256	.0055928	.036001
%RSD	.8255992	1.370416	1.506312	1.105362	.5912873	1.506802
#1	10.08871	.2704316	2.405311	25.83316	.9452422	2.405595
#2	9.96347	.2631264	2.411381	25.26942	.9517374	2.414121
#3	10.12055	.2665518	2.346274	25.58546	.9406033	2.347942

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.239660	4.839616	2.530600	24.16464	2.423366	1.250322
Stddev	.021525	.048344	.026625	.21179	.037446	.004973
%RSD	1.736356	.9989215	1.052138	.8764420	1.545189	.3977493
#1	1.249886	4.808823	2.557317	24.30777	2.442827	1.247546
#2	1.254166	4.895336	2.504067	23.92135	2.447075	1.256064
#3	1.214929	4.814689	2.530416	24.26480	2.380198	1.247357

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.22170	2.435536	2.553123	23.84333	5.211497	5.031264
Stddev	.25981	.030261	.009815	.30480	.076778	.078619
%RSD	1.118817	1.242485	.3844316	1.278332	1.473236	1.562606
#1	23.07317	2.468714	2.551418	23.67517	5.289404	5.066331
#2	23.52170	2.409453	2.563679	24.19516	5.135901	5.086247
#3	23.07024	2.428440	2.544272	23.65965	5.209185	4.941214

Sample Name: CCV06 Acquired: 8/15/2024 17:14:26 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV06 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.776776	5.143708	4.781514	4.668627	4.611188	F .2144087
Stddev	.067470	.049642	.044427	.075201	.075763	.0240993
%RSD	1.412465	.9650921	.9291406	1.610771	1.643027	11.23989
#1	4.809093	5.194791	4.739905	4.703873	4.645037	.1923033
#2	4.822009	5.095646	4.828305	4.719732	4.664126	.2108227
#3	4.699226	5.140687	4.776331	4.582277	4.524402	.2401001

Elem	Sr4077
Units	ppm
Avg	5.136848
Stddev	.076470
%RSD	1.488665
#1	5.187352
#2	5.048868
#3	5.174323

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3197.527	104815.1	9776.126	4268.714	5591.778
Stddev	56.840	751.0	125.520	26.824	93.720
%RSD	1.777624	.7164535	1.283945	.6283848	1.676027
#1	3174.514	105170.7	9646.965	4279.013	5549.188
#2	3155.802	103952.4	9897.657	4238.267	5526.915
#3	3262.265	105322.1	9783.755	4288.863	5699.229

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CCB06 Acquired: 8/15/2024 17:18:46 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB06 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001113	-.000797	.0002163	.0009827	.0004587	.0023751
Stddev	.001144	.000914	.0006413	.0005507	.0003506	.0033680
%RSD	102.8524	114.6677	296.5653	56.04287	76.44232	141.8034
#1	-.000056	-.001423	-.000422	.0004505	.0005868	.0059118
#2	-.000954	-.001222	.000211	.0015502	.0007272	.0020075
#3	-.002328	.000252	.000860	.0009474	.0000620	-.000794

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004827	.0000168	.0000029	-.007084	.0002885	-.000057
Stddev	.0002431	.0000153	.0001089	.000692	.0001296	.000216
%RSD	50.37219	90.95452	3773.823	9.765243	44.91875	379.3263
#1	.0007616	.0000270	.0001102	-.006374	.0003504	-.000187
#2	.0003151	-.000001	.0000061	-.007123	.0001396	.000193
#3	.0003714	.000024	-.000108	-.007756	.0003755	-.000176

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000469	.0050445	.0001211	-.001002	.0001147	.0004318
Stddev	.0002305	.0010160	.0000660	.010200	.0000296	.0003722
%RSD	491.3977	20.14178	54.47512	1018.345	25.82116	86.18669
#1	.0000587	.0060943	.0001586	-.002526	.0000823	.0001543
#2	-.000189	.0049732	.0001598	.009875	.0001403	.0008547
#3	.000271	.0040660	.0000449	-.010353	.0001216	.0002863

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002712	-.001685	-.000576	.0140638	.0054707	.0004489
Stddev	.003369	.001414	.000184	.0082191	.0003414	.0001463
%RSD	124.2461	83.90600	31.92952	58.44141	6.241247	32.59952
#1	-.000505	-.000053	-.000518	.0189362	.0057863	.0002840
#2	-.001040	-.002518	-.000781	.0045744	.0055176	.0005634
#3	-.006590	-.002486	-.000427	.0186808	.0051083	.0004993

Sample Name: CCB06 Acquired: 8/15/2024 17:18:46 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB06 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001148	.0001778	.0089128	.0006669	.0065781	F .0667420
Stddev	.000372	.0002975	.0088945	.0006852	.0022683	.0233223
%RSD	32.38932	167.3371	99.79448	102.7341	34.48293	34.94399
#1	-.001258	.0002111	.0189195	.0014481	.0039800	.0650966
#2	-.000734	-.000135	.0059124	.0003847	.0081648	.0442859
#3	-.001453	.000457	.0019065	.0001680	.0075895	.0908434

Elem	Sr4077
Units	ppm
Avg	.0000671
Stddev	.0001058
%RSD	157.6738
#1	.0001608
#2	.0000880
#3	-.000048

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3229.400	107268.0	10442.15	4409.967	5846.220
Stddev	3.960	209.2	37.57	13.546	17.963
%RSD	.1226227	.1950010	.3597503	.3071629	.3072604
#1	3231.937	107212.8	10398.77	4394.409	5863.194
#2	3224.837	107091.9	10464.03	4419.149	5827.409
#3	3231.426	107499.2	10463.65	4416.342	5848.058

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3596-02 Acquired: 8/15/2024 17:23:14 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012499	-.002155	.0030945	-.000081	-.001050	.2684981	.1020197
Stddev	.0008355	.001170	.0004744	.002484	.001257	.0019975	.0012645
%RSD	66.84554	54.30879	15.32915	3083.329	119.6538	.7439375	1.239446
#1	.0007029	-.003468	.0036227	-.002910	.000163	.2669262	.1015742
#2	.0022116	-.001221	.0027049	.000928	-.002346	.2707458	.1010383
#3	.0008352	-.001777	.0029559	.001741	-.000967	.2678223	.1034466

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000155	-.000066	33.25045	.0012299	.0011786	.0065509	5.455247
Stddev	.0000113	.000040	.26751	.0000245	.0000570	.0001183	.020716
%RSD	72.68517	59.90014	.8045292	1.991959	4.835538	1.806374	.3797468
#1	.0000187	-.000020	33.13376	.0012566	.0011368	.0064155	5.476759
#2	.0000030	-.000088	33.06112	.0012245	.0012435	.0066347	5.435431
#3	.0000249	-.000090	33.55649	.0012085	.0011555	.0066023	5.453550

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8320260	5.227183	.0017692	.0005780	108.2129	.0013508	.0677077
Stddev	.0042690	.017792	.0001411	.0000212	.4039	.0022722	.0003797
%RSD	.5130808	.3403715	7.977281	3.662486	.3732653	168.2115	.5607940
#1	.8299944	5.237506	.0016945	.0006019	108.6298	.0017775	.0680367
#2	.8291522	5.206639	.0016810	.0005619	108.1854	.0033794	.0677941
#3	.8369313	5.237403	.0019320	.0005700	107.8234	-.001105	.0672922

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.322209	.1157808	.0010123	-.010869	.0052726	3.942733	.1498435
Stddev	.011841	.0009584	.0002207	.000608	.0006205	.033515	.0008771
%RSD	.2739583	.8277478	21.80357	5.597661	11.76807	.8500548	.5853515
#1	4.331889	.1162445	.0007660	-.010226	.0058641	3.979450	.1489210
#2	4.325732	.1146788	.0010788	-.010948	.0053270	3.913784	.1506668
#3	4.309007	.1164192	.0011921	-.011435	.0046267	3.934965	.1499427

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3596-02 Acquired: 8/15/2024 17:23:14 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.095220	.2167711	.2016111
Stddev	.019698	.0079533	.0007742
%RSD	.3866053	3.668984	.3840274
#1	5.073655	.2251759	.2011982
#2	5.099740	.2093634	.2011308
#3	5.112266	.2157741	.2025043

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3237.460	108844.9	10657.73	4388.555	5725.738
Stddev	16.966	347.4	50.28	22.428	21.137
%RSD	.5240441	.3191371	.4717818	.5110570	.3691645
#1	3249.181	108462.1	10660.17	4381.070	5741.762
#2	3245.193	109140.0	10706.74	4370.828	5733.670
#3	3218.005	108932.7	10606.27	4413.769	5701.782

Sample Name: P3518-25 Acquired: 8/15/2024 17:27:36 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0574969	-.004357	.8156316	-.020586	.0053887	156.0228
Stddev	.0022156	.001673	.0055252	.002768	.0012723	.6337
%RSD	3.853492	38.40844	.6774195	13.44636	23.60979	.4061268
#1	.0576118	-.006081	.8161065	-.018454	.0039197	155.3312
#2	.0596529	-.002740	.8209042	-.019589	.0061233	156.1617
#3	.0552261	-.004249	.8098843	-.023714	.0061232	156.5755

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.120321	.0106074	.0085771	76.55950	.2310740	.1089246
Stddev	.004535	.0001902	.0000377	.38762	.0009450	.0006048
%RSD	.4047561	1.792798	.4391089	.5062974	.4089439	.5552111
#1	1.115440	.0103897	.0085399	76.17680	.2321650	.1093616
#2	1.121123	.0107410	.0086152	76.54984	.2305403	.1091778
#3	1.124402	.0106915	.0085761	76.95186	.2305165	.1082344

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5341273	226.4782	5.445356	45.79223	.2452463	.0107767
Stddev	.0017993	1.5049	.031018	.33222	.0013549	.0003712
%RSD	.3368629	.6644609	.5696306	.7255027	.5524635	3.444396
#1	.5335888	228.1261	5.412835	45.43701	.2459788	.0112024
#2	.5361343	226.1317	5.448618	45.84442	.2460773	.0105202
#3	.5326588	225.1768	5.474614	46.09528	.2436828	.0106076

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.525588	.4287288	1.338653	22.64070	.0349970	.0078809
Stddev	.011146	.0025697	.004266	.14950	.0023880	.0004117
%RSD	.4413303	.5993845	.3187033	.6603175	6.823537	5.224291
#1	2.538455	.4257726	1.343534	22.79928	.0375537	.0080097
#2	2.519419	.4299843	1.335633	22.62049	.0346132	.0082127
#3	2.518891	.4304294	1.336791	22.50233	.0328241	.0074201

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3518-25 Acquired: 8/15/2024 17:27:36 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0646691	6.275406	F 12.93290	F 15.28547	6.036021	3.569945
Stddev	.0010522	.032736	.08814	.10747	.043461	.003828
%RSD	1.626970	.5216498	.6815408	.7030882	.7200264	.1072220
#1	.0640780	6.242662	13.00763	15.36406	6.068571	3.570002
#2	.0658839	6.275423	12.95538	15.32935	6.052825	3.573744
#3	.0640455	6.308133	12.83570	15.16300	5.986667	3.566089

Elem	Sr4077
Units	ppm
Avg	.0422482
Stddev	.0029102
%RSD	6.888363
#1	.0391579
#2	.0426501
#3	.0449366

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3437.106	118574.9	11197.62	4692.429	5166.174
Stddev	16.611	764.2	73.55	30.120	26.170
%RSD	.4832900	.6445260	.6568624	.6418763	.5065572
#1	3421.720	117700.3	11262.37	4659.091	5144.467
#2	3434.879	118910.3	11212.85	4700.520	5158.821
#3	3454.718	119114.0	11117.65	4717.678	5195.233

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3518-27 Acquired: 8/15/2024 17:31:46 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0584439	-.004706	.7371456	-.015583	.0053933	137.0432
Stddev	.0010958	.001869	.0028005	.004274	.0009264	.0653
%RSD	1.874907	39.72559	.3799071	27.42692	17.17697	.0476464
#1	.0586682	-.002650	.7372844	-.011143	.0048914	136.9845
#2	.0594102	-.006303	.7398741	-.015937	.0048262	137.1135
#3	.0572534	-.005165	.7342783	-.019669	.0064624	137.0317

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9887527	.0093512	.0073464	69.76758	.2276415	.0994883
Stddev	.0020345	.0000911	.0001605	.43100	.0025128	.0004758
%RSD	.2057661	.9738320	2.184287	.6177601	1.103856	.4782821
#1	.9898215	.0093382	.0073478	69.27253	.2264697	.0992200
#2	.9900300	.0092674	.0075061	69.97098	.2259286	.1000377
#3	.9864065	.0094481	.0071852	70.05924	.2305262	.0992073

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4491487	200.5483	5.332084	41.60286	.2236351	.0099464
Stddev	.0004995	2.1909	.015548	.15438	.0005691	.0002327
%RSD	.1112054	1.092432	.2915952	.3710803	.2544657	2.339908
#1	.4495719	198.8705	5.314135	41.42593	.2235251	.0097666
#2	.4492766	199.7475	5.341406	41.67253	.2242512	.0102093
#3	.4485978	203.0269	5.340710	41.71013	.2231291	.0098633

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.385554	.3794420	1.171172	21.15254	.0487086	.0075262
Stddev	.021319	.0012779	.010357	.18244	.0027322	.0000889
%RSD	.8936636	.3367724	.8843069	.8624874	5.609334	1.181241
#1	2.376634	.3780235	1.164827	21.04186	.0464736	.0076087
#2	2.370143	.3805032	1.165566	21.05266	.0478978	.0074321
#3	2.409883	.3797993	1.183124	21.36311	.0517545	.0075377

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3518-27 Acquired: 8/15/2024 17:31:46 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1093892	5.528950	F 12.59038	F 13.75556	5.569637	3.080691
Stddev	.0005132	.007143	.12007	.03683	.024844	.027457
%RSD	.4691270	.1291919	.9537013	.2677815	.4460557	.8912577
#1	.1088310	5.520842	12.49722	13.73926	5.558280	3.057680
#2	.1098406	5.531696	12.54804	13.79773	5.598129	3.111084
#3	.1094961	5.534313	12.72589	13.72969	5.552500	3.073310

Elem	Sr4077
Units	ppm
Avg	.0446035
Stddev	.0023689
%RSD	5.311099
#1	.0461222
#2	.0458143
#3	.0418738

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3329.072	118140.5	11444.13	4686.865	5093.654
Stddev	2.950	987.7	12.84	43.340	11.825
%RSD	.0886087	.8360317	.1121818	.9247056	.2321430
#1	3331.916	118635.5	11439.26	4721.660	5103.025
#2	3329.274	118782.8	11434.44	4700.618	5080.369
#3	3326.027	117003.2	11458.69	4638.318	5097.569

Sample Name: P3518-29 Acquired: 8/15/2024 17:35:56 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0668826	-.007021	.8727077	-.024403	.0069451	143.5067
Stddev	.0029714	.001139	.0011073	.002025	.0005745	.3726
%RSD	4.442719	16.21692	.1268813	8.296239	8.272273	.2596108
#1	.0645557	-.007494	.8731119	-.022079	.0074852	143.1361
#2	.0658623	-.005722	.8735562	-.025349	.0063414	143.5029
#3	.0702297	-.007846	.8714551	-.025781	.0070086	143.8812

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.185313	.0089253	.0084595	502.8339	.2369960	.1075848
Stddev	.003658	.0000299	.0001382	1.8536	.0039701	.0001467
%RSD	.3085871	.3350202	1.633423	.3686322	1.675160	.1363274
#1	1.182288	.0089106	.0083462	503.2622	.2383241	.1076543
#2	1.184273	.0089597	.0084187	504.4358	.2401319	.1076839
#3	1.189378	.0089056	.0086134	500.8036	.2325322	.1074163

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7164718	230.3939	6.623041	48.08376	.2268192	.0116893
Stddev	.0008955	1.3689	.009591	.15444	.0008135	.0000814
%RSD	.1249892	.5941360	.1448051	.3211880	.3586481	.6964309
#1	.7166499	230.7510	6.611985	48.13169	.2275614	.0117830
#2	.7155006	231.5488	6.628021	48.20854	.2259495	.0116361
#3	.7172649	228.8819	6.629116	47.91103	.2269466	.0116488

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.077751	.4105064	1.605708	28.67778	.1194717	.0098337
Stddev	.036790	.0013736	.019225	.09224	.0005173	.0001900
%RSD	.4052791	.3346067	1.197322	.3216423	.4329521	1.931669
#1	9.074763	.4094807	1.621815	28.68478	.1196849	.0096157
#2	9.115944	.4099716	1.610884	28.76632	.1198483	.0099221
#3	9.042546	.4120669	1.584424	28.58224	.1188820	.0099634

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3518-29 Acquired: 8/15/2024 17:35:56 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1520834	6.098667	F 11.95259	F 15.57870	7.750470	5.948519
Stddev	.0005684	.018199	.06341	.01333	.009933	.038260
%RSD	.3737731	.2984085	.5305532	.0855705	.1281662	.6431810
#1	.1515371	6.079894	11.97571	15.59400	7.760576	5.910464
#2	.1520416	6.099874	12.00120	15.57250	7.740719	5.948111
#3	.1526716	6.116232	11.88086	15.56960	7.750114	5.986980

Elem	Sr4077
Units	ppm
Avg	1.388896
Stddev	.017063
%RSD	1.228566
#1	1.369688
#2	1.402304
#3	1.394695

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3350.603	111427.2	11553.70	4407.839	4995.769
Stddev	1.681	1028.6	41.89	39.590	5.978
%RSD	.0501696	.9231410	.3625569	.8981746	.1196613
#1	3351.731	110921.1	11523.82	4372.157	4990.219
#2	3348.671	110749.6	11535.70	4400.932	4994.989
#3	3351.406	112610.8	11601.58	4450.429	5002.098

Sample Name: P3549-01 Acquired: 8/15/2024 17:40:26 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0273732	-.007639	.2141368	-.025075	.0034481	121.0488	.3787402
Stddev	.0005867	.001542	.0005491	.003453	.0003713	.5158	.0011079
%RSD	2.143404	20.18385	.2564308	13.76935	10.76816	.4260684	.2925329
#1	.0274757	-.005861	.2138968	-.025391	.0033387	120.4920	.3782409
#2	.0279019	-.008452	.2147651	-.021475	.0031439	121.1442	.3779698
#3	.0267420	-.008604	.2137485	-.028359	.0038619	121.5102	.3800099

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0064533	.0062174	24.49215	.2340618	.1325177	.3708047	225.6619
Stddev	.0000352	.0000789	.09269	.0007176	.0008585	.0026472	.6342
%RSD	.5460245	1.268219	.3784351	.3065941	.6478120	.7138963	.2810534
#1	.0064611	.0062765	24.38566	.2337492	.1316516	.3683058	225.3468
#2	.0064148	.0061278	24.53616	.2335534	.1325332	.3705297	225.2469
#3	.0064840	.0062477	24.55463	.2348827	.1333683	.3735787	226.3919

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.941525	31.03917	.1916586	.0086215	7.495326	.4806711	.3936679
Stddev	.014303	.12472	.0013019	.0003625	.039196	.0029108	.0007917
%RSD	.3628867	.4018051	.6792579	4.204595	.5229430	.6055687	.2010999
#1	3.925018	30.91555	.1903801	.0087929	7.477758	.4825194	.3929292
#2	3.949323	31.16496	.1916130	.0082051	7.467987	.4773158	.3945036
#3	3.950235	31.03699	.1929826	.0088666	7.540233	.4821782	.3935709

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.100789	.0054477	.0039166	.0221805	5.848126	6.807648	5.368742
Stddev	.010190	.0005468	.0001455	.0003433	.029098	.022531	.031690
%RSD	.1997632	10.03685	3.715654	1.547719	.4975570	.3309602	.5902710
#1	5.095802	.0060391	.0039255	.0220310	5.817847	6.811668	5.336239
#2	5.094053	.0053437	.0037669	.0219374	5.850651	6.783378	5.370438
#3	5.112511	.0049604	.0040575	.0225732	5.875878	6.827898	5.399551

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3549-01 Acquired: 8/15/2024 17:40:26 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.856412	1.680515	-.124990
Stddev	.021562	.027129	.000338
%RSD	.7548497	1.614326	.2700439
#1	2.833668	1.667141	-.125130
#2	2.859013	1.711735	-.124605
#3	2.876555	1.662670	-.125236

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3639.354	129094.6	12261.94	5170.928	5214.818
Stddev	20.645	48.0	34.11	15.411	30.614
%RSD	.5672597	.0371987	.2782038	.2980224	.5870563
#1	3659.143	129049.8	12288.44	5169.622	5246.151
#2	3640.969	129088.7	12223.45	5156.213	5213.327
#3	3617.949	129145.3	12273.93	5186.950	5184.977

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3549-01DUP Acquired: 8/15/2024 17:44:38 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0298775	-.007289	.2109139	-.024439	.0024730	124.2877	.3867767
Stddev	.0006672	.001209	.0012543	.002686	.0012351	.1884	.0004995
%RSD	2.233196	16.58907	.5946856	10.99122	49.94443	.1516152	.1291528
#1	.0291768	-.005931	.2109678	-.023763	.0012625	124.1153	.3862045
#2	.0305052	-.007685	.2121403	-.022156	.0024251	124.4889	.3871263
#3	.0299504	-.008250	.2096335	-.027399	.0037314	124.2589	.3869992

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065555	.0052200	25.24988	.2414124	.1318448	.3597968	237.0582
Stddev	.0000660	.0002980	.09503	.0007119	.0002617	.0028897	1.9287
%RSD	1.007395	5.707837	.3763393	.2949006	.1985252	.8031371	.8135945
#1	.0064795	.0053893	25.14931	.2406149	.1318730	.3621029	235.1480
#2	.0065982	.0053947	25.26216	.2416384	.1320913	.3607322	237.0218
#3	.0065890	.0048760	25.33817	.2419839	.1315701	.3565553	239.0048

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.015007	31.78022	.1907077	.0094789	7.872527	.4886615	.4037279
Stddev	.010666	.03706	.0007191	.0003894	.038799	.0016143	.0016296
%RSD	.2656448	.1166106	.3770594	4.108272	.4928461	.3303579	.4036323
#1	4.002732	31.73775	.1912543	.0090324	7.828309	.4888232	.4025891
#2	4.020284	31.80596	.1909757	.0097483	7.888388	.4901888	.4055945
#3	4.022006	31.79696	.1898931	.0096560	7.900883	.4869723	.4030001

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.389223	.0205560	.0038679	.0172298	6.040453	8.831501	5.210497
Stddev	.038675	.0033737	.0002664	.0006202	.011905	.041039	.014748
%RSD	.7176345	16.41205	6.886346	3.599522	.1970880	.4646874	.2830516
#1	5.345281	.0170728	.0036550	.0169964	6.026707	8.792198	5.204818
#2	5.418091	.0207869	.0041666	.0167602	6.047192	8.828225	5.227241
#3	5.404297	.0238082	.0037820	.0179328	6.047460	8.874079	5.199432

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3549-01DUP Acquired: 8/15/2024 17:44:38 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.719729	1.763908	-.133711
Stddev	.011889	.021386	.001801
%RSD	.4371341	1.212401	1.346581
#1	2.719099	1.788585	-.132100
#2	2.731921	1.752365	-.133379
#3	2.708168	1.750773	-.135655

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3728.427	123806.7	12101.13	5017.408	5363.389
Stddev	10.161	235.9	56.28	18.255	15.887
%RSD	.2725411	.1905740	.4650643	.3638295	.2962192
#1	3726.270	124077.1	12058.24	5022.573	5358.779
#2	3719.517	123701.0	12080.30	4997.127	5350.316
#3	3739.494	123642.1	12164.86	5032.524	5381.071

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3520-01 Acquired: 8/15/2024 17:48:51 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0150128	-.011743	.0333352	-.039366	.0066937	139.3652	.1381679
Stddev	.0013918	.002915	.0011963	.002927	.0007102	.6223	.0009212
%RSD	9.270763	24.82313	3.588642	7.436108	10.61045	.4465246	.6667369
#1	.0153057	-.013245	.0345850	-.036040	.0070523	138.7337	.1371475
#2	.0162347	-.013600	.0322008	-.040506	.0058756	139.3841	.1384178
#3	.0134978	-.008383	.0332197	-.041552	.0071531	139.9778	.1389383

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0042847	.0083483	131.7991	.0305523	.2596284	.7482777	368.2729
Stddev	.0001065	.0003076	.4377	.0001889	.0007834	.0013525	.8341
%RSD	2.486548	3.684188	.3320758	.6183429	.3017502	.1807454	.2264989
#1	.0042884	.0085887	131.3466	.0307665	.2604008	.7488921	368.3493
#2	.0041763	.0084544	131.8306	.0304097	.2588344	.7467270	367.4032
#3	.0043893	.0080017	132.2202	.0304806	.2596501	.7492138	369.0662

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.981500	85.03068	.1845691	.0144712	21.47095	1.051727	.4778329
Stddev	.015643	.31168	.0002577	.0003225	.04084	.003152	.0016414
%RSD	.5246780	.3665526	.1396163	2.228250	.1902028	.2996592	.3435139
#1	2.965664	84.67176	.1848020	.0146755	21.46924	1.048105	.4781144
#2	2.981893	85.18708	.1842923	.0140995	21.43099	1.053235	.4793153
#3	2.996943	85.23319	.1846131	.0146387	21.51261	1.053841	.4760689

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.053618	.4467006	.0041989	.0096697	8.063893	3.275448	9.349828
Stddev	.018371	.0009889	.0003312	.0004241	.040557	.020965	.034203
%RSD	.8945440	.2213893	7.886719	4.386300	.5029407	.6400503	.3658142
#1	2.061143	.4467055	.0042377	.0092330	8.024909	3.293137	9.328464
#2	2.032679	.4457092	.0038501	.0100801	8.060913	3.252292	9.389277
#3	2.067031	.4476871	.0045090	.0096959	8.105857	3.280916	9.331743

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3520-01 Acquired: 8/15/2024 17:48:51 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	3.279946	2.335504	-.051787
Stddev	.014387	.038336	.001392
%RSD	.4386495	1.641451	2.687815
#1	3.269953	2.321730	-.053391
#2	3.296436	2.378825	-.051081
#3	3.273449	2.305959	-.050890

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3608.968	119995.8	12377.25	4841.631	5120.555
Stddev	1.464	115.6	42.16	18.570	.769
%RSD	.0405658	.0963415	.3406177	.3835512	.0150157
#1	3610.272	119904.7	12425.36	4860.684	5120.534
#2	3609.248	120125.8	12359.64	4823.585	5119.797
#3	3607.384	119956.8	12346.76	4840.624	5121.334

Sample Name: P3520-03 Acquired: 8/15/2024 17:53:04 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0186768	-.023611	.0469722	-.054731	.0098992	175.5689
Stddev	.0007488	.001817	.0016887	.000874	.0021187	.6981
%RSD	4.009311	7.693543	3.595108	1.597435	21.40283	.3975988
#1	.0178822	-.025471	.0450228	-.053907	.0110610	175.0726
#2	.0193694	-.021841	.0479071	-.055648	.0111828	175.2670
#3	.0187788	-.023522	.0479868	-.054638	.0074537	176.3671

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1753330	.0058100	.0167522	151.1498	.0405239	.3369650
Stddev	.0011922	.0000720	.0001109	.4756	.0001486	.0016372
%RSD	.6799826	1.239991	.6622287	.3146652	.3666389	.4858638
#1	.1751455	.0057587	.0166700	150.6108	.0405512	.3385030
#2	.1742457	.0057790	.0168784	151.3281	.0403635	.3352440
#3	.1766079	.0058924	.0167082	151.5104	.0406569	.3371480

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.002050	460.8635	3.998949	102.2905	.2235824	.0165844
Stddev	.003812	.5129	.018104	.2892	.0007499	.0002008
%RSD	.3804150	.1112989	.4527166	.2827316	.3354089	1.210516
#1	1.005072	461.4120	3.978394	102.0322	.2238970	.0163827
#2	.997768	460.3958	4.005925	102.2362	.2227264	.0167842
#3	1.003312	460.7826	4.012527	102.6029	.2241237	.0165862

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	33.39288	1.548258	.6671390	2.819373	.4659619	.0081564
Stddev	.06449	.003350	.0018513	.008752	.0043492	.0002448
%RSD	.1931130	.2163487	.2774944	.3104113	.9333902	3.001813
#1	33.34898	1.547781	.6662413	2.827033	.4708278	.0083735
#2	33.36273	1.545173	.6659077	2.821250	.4646049	.0078910
#3	33.46691	1.551821	.6692679	2.809834	.4624529	.0082047

Sample Name: P3520-03 Acquired: 8/15/2024 17:53:04 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027300	F 12.47196	3.566422	F 11.56185	9.214761	3.022963
Stddev	.0014373	.04132	.004458	.03933	.044611	.056517
%RSD	52.64904	.3313213	.1249867	.3401671	.4841306	1.869597
#1	.0022291	12.42914	3.561864	11.60663	9.263904	2.975076
#2	.0016102	12.47514	3.566631	11.53293	9.176814	3.008510
#3	.0043508	12.51160	3.570772	11.54599	9.203564	3.085304

Elem	Sr4077
Units	ppm
Avg	-.113183
Stddev	.001543
%RSD	1.363370
#1	-.114892
#2	-.112764
#3	-.111892

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3688.263	123745.1	12285.18	4950.298	4992.025
Stddev	6.349	159.7	44.31	24.042	10.463
%RSD	.1721365	.1290243	.3606511	.4856739	.2096012
#1	3686.312	123832.0	12308.14	4955.411	4985.998
#2	3695.359	123842.5	12313.29	4971.373	5004.107
#3	3683.119	123560.9	12234.10	4924.111	4985.971

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3520-05 Acquired: 8/15/2024 17:57:23 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0153966	-.010388	.0304302	-.036484	.0063486	119.1841	.0762334
Stddev	.0013861	.002556	.0014139	.002339	.0025096	.4465	.0003691
%RSD	9.002286	24.60614	4.646335	6.410246	39.52991	.3746464	.4841352
#1	.0168561	-.011205	.0288057	-.033804	.0090093	118.7127	.0763246
#2	.0140980	-.012436	.0313830	-.038110	.0040240	119.2390	.0758272
#3	.0152357	-.007523	.0311020	-.037539	.0060125	119.6006	.0765482

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040732	.0067784	99.98324	.0301010	.2599799	.8757569	360.2892
Stddev	.0000581	.0001620	.31792	.0001973	.0008841	.0037000	.0572
%RSD	1.426403	2.390093	.3179713	.6552797	.3400670	.4224933	.0158796
#1	.0040828	.0068115	99.76654	.0303057	.2598170	.8763545	360.3432
#2	.0040109	.0069213	100.3482	.0300852	.2609341	.8791218	360.2950
#3	.0041259	.0066024	99.8350	.0299122	.2591885	.8717945	360.2292

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.501862	78.37276	.1914189	.0146379	20.46352	1.167210	.4707896
Stddev	.009911	.32798	.0011691	.0004274	.08637	.004084	.0006244
%RSD	.3961401	.4184844	.6107408	2.919496	.4220807	.3498963	.1326319
#1	2.491203	78.11512	.1914499	.0149428	20.44330	1.166719	.4714993
#2	2.510799	78.74197	.1925721	.0141494	20.38905	1.171517	.4705449
#3	2.503585	78.26120	.1902346	.0148214	20.55821	1.163394	.4703246

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.437319	.2257302	.0045300	-.003134	8.797827	2.650081	9.809893
Stddev	.013906	.0009844	.0003332	.001437	.021543	.009136	.057999
%RSD	.9675232	.4360761	7.355493	45.85818	.2448650	.3447333	.5912269
#1	1.421421	.2268580	.0049100	-.004118	8.773000	2.641205	9.813044
#2	1.443310	.2252890	.0042874	-.003798	8.811585	2.649582	9.866252
#3	1.447226	.2250436	.0043928	-.001485	8.808896	2.659456	9.750383

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3520-05 Acquired: 8/15/2024 17:57:23 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	3.890920	2.123954	-.125551
Stddev	.027481	.025019	.001026
%RSD	.7062850	1.177954	.8168922
#1	3.878820	2.132881	-.126528
#2	3.922375	2.095695	-.125641
#3	3.871566	2.143285	-.124483

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3586.012	120199.1	12549.60	4840.968	5123.877
Stddev	8.994	71.5	51.90	8.392	19.994
%RSD	.2508012	.0594850	.4135532	.1733596	.3902079
#1	3585.141	120168.9	12589.96	4848.243	5131.677
#2	3577.486	120147.6	12491.05	4831.786	5101.159
#3	3595.410	120280.7	12567.77	4842.875	5138.794

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3520-07 Acquired: 8/15/2024 18:01:35 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0128592	-.013506	.0312648	-.036043	.0043529	112.6416
Stddev	.0009697	.001871	.0012689	.001226	.0011145	.4430
%RSD	7.540708	13.85030	4.058571	3.400278	25.60268	.3932482
#1	.0131739	-.014840	.0301825	-.037106	.0032414	112.5032
#2	.0136324	-.011368	.0309506	-.034703	.0043470	112.2843
#3	.0117713	-.014310	.0326613	-.036320	.0054703	113.1372

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0684871	.0039849	.0084099	95.30443	.0289436	.2460003
Stddev	.0004484	.0000739	.0007307	.30511	.0003428	.0043353
%RSD	.6546629	1.854002	8.688640	.3201440	1.184330	1.762304
#1	.0679953	.0039984	.0078124	95.44335	.0292841	.2419629
#2	.0688730	.0040510	.0081927	94.95458	.0289480	.2454560
#3	.0685931	.0039052	.0092245	95.51536	.0285986	.2505821

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8116500	309.2867	2.383728	75.98797	.1813326	.0109216
Stddev	.0117568	.3700	.010132	.36491	.0029764	.0001553
%RSD	1.448511	.1196181	.4250444	.4802266	1.641404	1.421687
#1	.8011496	309.0473	2.384478	75.89763	.1786530	.0107432
#2	.8094483	309.0999	2.373242	75.67672	.1808085	.0109960
#3	.8243520	309.7128	2.393464	76.38957	.1845362	.0110258

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.10222	1.002483	.4401720	1.221329	.1859048	.0038405
Stddev	.04730	.006449	.0011073	.005726	.0009506	.0001588
%RSD	.2613207	.6433351	.2515512	.4688341	.5113570	4.135413
#1	18.05916	1.001785	.4406972	1.227940	.1849257	.0036618
#2	18.09465	.996411	.4409189	1.218051	.1859645	.0039655
#3	18.15285	1.009253	.4388999	1.217995	.1868242	.0038941

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3520-07 Acquired: 8/15/2024 18:01:35 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003739	7.595478	2.836223	F 10.03950	4.762158	2.223342
Stddev	.000812	.025793	.011009	.14477	.073682	.027967
%RSD	21.70849	.3395858	.3881647	1.441972	1.547241	1.257876
#1	-.002809	7.602499	2.841509	9.89911	4.695833	2.200991
#2	-.004307	7.566901	2.823568	10.03110	4.749170	2.254704
#3	-.004100	7.617033	2.843593	10.18828	4.841470	2.214331

Elem	Sr4077
Units	ppm
Avg	-.092718
Stddev	.000167
%RSD	.1797468
#1	-.092846
#2	-.092778
#3	-.092529

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3728.932	124208.7	11955.22	4997.969	5313.478
Stddev	45.287	132.4	51.29	20.058	80.044
%RSD	1.214479	.1065921	.4289906	.4013192	1.506439
#1	3768.842	124076.0	11926.17	4981.417	5386.148
#2	3738.242	124340.8	12014.44	4992.216	5326.604
#3	3679.714	124209.1	11925.05	5020.275	5227.681

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CCV07 Acquired: 8/15/2024 18:11:41 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV07 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.139906	5.332064	5.104373	5.248710	5.134005	9.828762
Stddev	.008020	.024459	.004853	.011450	.012861	.057726
%RSD	.1560365	.4587064	.0950837	.2181435	.2505097	.5873155
#1	5.140794	5.337966	5.102843	5.250985	5.139175	9.762365
#2	5.131479	5.353031	5.100469	5.236294	5.119363	9.867044
#3	5.147445	5.305194	5.109807	5.258852	5.143477	9.856877

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.14719	.2737015	2.480708	25.80915	.9688268	2.465264
Stddev	.12786	.0013057	.002084	.14912	.0023845	.001575
%RSD	1.260028	.4770544	.0840279	.5777857	.2461262	.0638804
#1	10.04740	.2721963	2.483099	25.63699	.9694715	2.466108
#2	10.10285	.2745282	2.479269	25.89230	.9661863	2.463447
#3	10.29132	.2743801	2.479757	25.89815	.9708228	2.466237

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.286103	4.865335	2.559037	24.65095	2.517386	1.282066
Stddev	.003120	.023622	.010324	.11412	.001105	.001966
%RSD	.2426309	.4855119	.4034328	.4629411	.0438753	.1533135
#1	1.288039	4.842821	2.547116	24.52544	2.516691	1.279877
#2	1.282503	4.863257	2.564953	24.67896	2.516807	1.282643
#3	1.287767	4.889927	2.565042	24.74846	2.518660	1.283678

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.26084	2.469549	2.604185	23.86594	5.366403	5.097693
Stddev	.06867	.006628	.003537	.08710	.010168	.008714
%RSD	.2952245	.2684054	.1358277	.3649378	.1894748	.1709360
#1	23.21243	2.461948	2.601665	23.76640	5.356065	5.105367
#2	23.23064	2.474130	2.608228	23.90332	5.376392	5.088220
#3	23.33943	2.472567	2.602661	23.92811	5.366753	5.099492

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CCV07 Acquired: 8/15/2024 18:11:41 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV07 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.957599	5.194306	4.821155	5.093498	4.987038	F .1582718
Stddev	.006747	.021362	.038057	.012299	.005767	.0700159
%RSD	.1360855	.4112599	.7893713	.2414727	.1156332	44.23777
#1	4.965268	5.169683	4.783631	5.079449	4.989225	.0803675
#2	4.954951	5.205338	4.820110	5.098719	4.991392	.2159434
#3	4.952579	5.207896	4.859723	5.102325	4.980498	.1785046

Elem	Sr4077
Units	ppm
Avg	5.185777
Stddev	.037743
%RSD	.7278117
#1	5.142466
#2	5.211627
#3	5.203239

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3116.519	105347.9	9783.023	4310.139	5392.792
Stddev	7.380	295.4	23.661	11.146	5.734
%RSD	.2368047	.2803893	.2418536	.2586091	.1063253
#1	3111.651	105568.0	9810.254	4317.049	5386.782
#2	3125.010	105463.6	9767.490	4297.280	5398.203
#3	3112.894	105012.2	9771.323	4316.087	5393.392

Sample Name: CCB07 Acquired: 8/15/2024 18:16:00 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB07 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000511	-.002331	-.000165	-.001893	.0005725	.0040725
Stddev	.001308	.000352	.000237	.001863	.0014988	.0138715
%RSD	256.1946	15.11036	143.7803	98.43006	261.7965	340.6111
#1	.000534	-.002649	-.000120	-.003859	.0014072	.0199642
#2	-.001977	-.002392	-.000421	-.001664	-.001158	-.005608
#3	-.000088	-.001953	.000047	-.000155	.001468	-.002139

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012855	.0000155	.0000496	-.001156	.0001097	.0000146
Stddev	.0006286	.0000272	.0000155	.005243	.0004097	.0000649
%RSD	48.89847	175.4256	31.37366	453.6478	373.4455	445.9604
#1	.0007068	.0000221	.0000468	.004381	.0005621	-.000032
#2	.0019543	-.000014	.0000356	-.006045	-.000236	.000089
#3	.0011955	.000039	.0000664	-.001803	.000003	-.000013

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000010	.0023504	-.000343	-.014554	.0001764	.0000654
Stddev	.000513	.0055300	.000098	.018367	.0000558	.0002563
%RSD	5031.520	235.2803	28.57928	126.2004	31.62201	391.8605
#1	-.000109	.0087333	-.000447	-.034970	.0002261	.0001589
#2	-.000467	-.000683	-.000253	.000627	.0001869	.0002619
#3	.000545	-.001000	-.000328	-.009319	.0001161	-.000225

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.023231	-.001852	-.000661	-.035570	.0079451	.0004944
Stddev	.004696	.000740	.000318	.028171	.0004000	.0001402
%RSD	20.21530	39.98563	48.03015	79.19972	5.035071	28.35857
#1	-.019627	-.001574	-.000927	-.003642	.0079009	.0005517
#2	-.028542	-.002691	-.000747	-.046141	.0083653	.0005969
#3	-.021525	-.001290	-.000310	-.056927	.0075689	.0003346

Sample Name: CCB07 Acquired: 8/15/2024 18:16:00 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB07 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001673	.0003872	.0035021	.0012131	-.003740	F .0593292
Stddev	.000593	.0002420	.0021168	.0009642	.000983	.0464980
%RSD	35.43884	62.49559	60.44398	79.48525	26.29225	78.37286
#1	-.001839	.0006358	.0058690	.0004577	-.004571	.0092204
#2	-.001015	.0003735	.0017905	.0022992	-.003995	.0676834
#3	-.002166	.0001524	.0028466	.0008825	-.002655	.1010839

Elem	Sr4077
Units	ppm
Avg	.0000135
Stddev	.0001067
%RSD	788.7442
#1	.0001311
#2	-.000014
#3	-.000077

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3410.772	107565.8	10239.05	4472.930	6305.194
Stddev	21.595	75.9	39.72	20.947	44.578
%RSD	.6331402	.0705365	.3879522	.4683020	.7070116
#1	3435.676	107486.1	10203.76	4470.124	6356.618
#2	3397.239	107574.0	10231.33	4453.528	6277.499
#3	3399.400	107637.2	10282.07	4495.139	6281.466

Sample Name: P3520-09 Acquired: 8/15/2024 18:20:28 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0226663	-.013290	.0363218	-.042160	.0068979	170.3826
Stddev	.0013320	.000440	.0004404	.002844	.0030541	.3195
%RSD	5.876520	3.310699	1.212421	6.745757	44.27653	.1875372
#1	.0213531	-.013588	.0358178	-.045300	.0103731	170.7448
#2	.0226294	-.013498	.0365158	-.039757	.0046409	170.1406
#3	.0240163	-.012785	.0366319	-.041423	.0056795	170.2622

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1713452	.0048448	.0091663	139.9762	.0511974	.2939275
Stddev	.0003193	.0001014	.0006247	.5926	.0000502	.0030392
%RSD	.1863742	2.092269	6.815138	.4233311	.0980406	1.033995
#1	.1717040	.0048082	.0097813	140.6592	.0511896	.2962744
#2	.1712396	.0047668	.0091851	139.5990	.0512511	.2950136
#3	.1710921	.0049594	.0085324	139.6704	.0511516	.2904944

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7614947	428.6495	3.336458	95.86712	.2249198	.0173811
Stddev	.0069885	1.0851	.011188	.30333	.0020300	.0003367
%RSD	.9177399	.2531399	.3353171	.3164038	.9025470	1.937047
#1	.7678479	427.6396	3.349335	96.20757	.2260126	.0173973
#2	.7626270	429.7967	3.329122	95.62563	.2261694	.0177094
#3	.7540091	428.5123	3.330917	95.76816	.2225775	.0170366

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.53143	1.330572	.5678390	4.032539	.5176435	.0051136
Stddev	.12828	.004070	.0016584	.028449	.0008548	.0001036
%RSD	.4659391	.3058983	.2920484	.7054976	.1651228	2.026047
#1	27.39859	1.329464	.5664976	4.018454	.5186302	.0051925
#2	27.65461	1.327170	.5696932	4.013880	.5171284	.0049963
#3	27.54110	1.335081	.5673263	4.065283	.5171720	.0051519

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3520-09 Acquired: 8/15/2024 18:20:28 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001782	F 11.56917	9.417857	9.896788	6.000585	2.408570
Stddev	.000469	.04123	.056344	.087674	.056839	.029307
%RSD	26.30189	.3563798	.5982648	.8858864	.9472207	1.216788
#1	-.001293	11.61665	9.381541	9.950103	6.031182	2.411563
#2	-.002228	11.54237	9.482764	9.944662	6.035571	2.377881
#3	-.001826	11.54850	9.389266	9.795599	5.935002	2.436265

Elem	Sr4077
Units	ppm
Avg	-.092858
Stddev	.001726
%RSD	1.858228
#1	-.091132
#2	-.094583
#3	-.092859

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3607.156	119658.4	12676.22	4828.391	5053.546
Stddev	14.892	55.1	75.08	6.603	36.197
%RSD	.4128337	.0460696	.5922853	.1367441	.7162790
#1	3597.646	119699.1	12598.75	4833.192	5032.397
#2	3599.503	119680.5	12748.66	4820.862	5032.899
#3	3624.317	119595.7	12681.26	4831.120	5095.342

Sample Name: P3520-11 Acquired: 8/15/2024 18:24:41 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0195218	-.020793	.0455427	-.055365	.0077070	174.3851
Stddev	.0020430	.002226	.0010909	.001698	.0020877	.1780
%RSD	10.46542	10.70664	2.395265	3.066760	27.08798	.1020975
#1	.0198121	-.023324	.0449348	-.057165	.0061727	174.3545
#2	.0214041	-.019917	.0448912	-.055135	.0100844	174.5764
#3	.0173491	-.019138	.0468021	-.053793	.0068640	174.2242

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1425057	.0055345	.0153056	166.6539	.0452774	.3442290
Stddev	.0006260	.0000081	.0010511	.3604	.0003693	.0047172
%RSD	.4392570	.1457184	6.867193	.2162580	.8155540	1.370365
#1	.1431870	.0055430	.0164673	166.4280	.0450372	.3492280
#2	.1423741	.0055336	.0144206	167.0696	.0450925	.3398561
#3	.1419560	.0055269	.0150289	166.4642	.0457026	.3436030

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9790929	457.7054	4.240814	125.4404	.2703562	.0159378
Stddev	.0119340	.7794	.004522	.2022	.0032036	.0007126
%RSD	1.218881	.1702935	.1066232	.1611585	1.184945	4.471174
#1	.9924809	458.3201	4.242112	125.4101	.2739268	.0160933
#2	.9695720	457.9673	4.244545	125.6560	.2677336	.0165599
#3	.9752257	456.8287	4.235785	125.2551	.2694081	.0151603

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.14489	1.383155	.6071793	2.573592	.8042259	.0035933
Stddev	.07054	.005591	.0040633	.008883	.0005269	.0002157
%RSD	.3887849	.4041882	.6692153	.3451562	.0655108	6.001521
#1	18.11849	1.383483	.6047508	2.574882	.8048335	.0038067
#2	18.09135	1.388575	.6049169	2.564135	.8038948	.0033755
#3	18.22482	1.377408	.6118703	2.581760	.8039495	.0035978

Sample Name: P3520-11 Acquired: 8/15/2024 18:24:41 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000312	F 11.30128	2.779463	F 11.45176	2.912460	2.786748
Stddev	.001456	.01636	.011068	.14275	.037669	.012073
%RSD	466.2470	.1447682	.3981914	1.246530	1.293388	.4332202
#1	-.001868	11.29118	2.777588	11.60978	2.952532	2.772878
#2	-.000088	11.32016	2.769452	11.33214	2.877773	2.794893
#3	.001019	11.29250	2.791348	11.41335	2.907073	2.792473

Elem	Sr4077
Units	ppm
Avg	-.087651
Stddev	.000586
%RSD	.6683004
#1	-.088181
#2	-.087750
#3	-.087022

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3573.705	124202.3	12434.47	4953.101	4895.052
Stddev	27.910	527.6	14.54	27.391	55.560
%RSD	.7809904	.4248143	.1168980	.5530126	1.135027
#1	3542.144	124503.8	12450.57	4977.754	4834.539
#2	3595.135	124510.0	12422.32	4957.935	4943.763
#3	3583.836	123593.1	12430.51	4923.615	4906.855

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3520-13 Acquired: 8/15/2024 18:29:00 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0259181	-.016079	.0409348	-.042390	.0058779	127.2909
Stddev	.0016371	.004032	.0021260	.002187	.0011625	.9003
%RSD	6.316333	25.07600	5.193582	5.158181	19.77726	.7072728
#1	.0269049	-.020735	.0394236	-.039973	.0047840	128.1858
#2	.0268211	-.013756	.0400150	-.042969	.0070986	126.3853
#3	.0240284	-.013746	.0433658	-.044230	.0057511	127.3017

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1198244	.0044320	.0111357	106.7555	.0350072	.2836994
Stddev	.0003209	.0001106	.0006459	.8499	.0004343	.0037008
%RSD	.2678167	2.494356	5.799828	.7961130	1.240686	1.304482
#1	.1201930	.0045184	.0118799	107.6499	.0346081	.2879699
#2	.1196736	.0043074	.0108051	105.9585	.0349436	.2816970
#3	.1196067	.0044701	.0107220	106.6582	.0354698	.2814312

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8443447	365.2959	2.887774	75.42691	.1918365	.0136213
Stddev	.0108121	.9025	.025907	.57804	.0029894	.0002163
%RSD	1.280536	.2470620	.8971239	.7663539	1.558319	1.588126
#1	.8568026	364.5834	2.915052	76.01119	.1952760	.0135467
#2	.8388250	364.9935	2.863501	74.85533	.1898631	.0138651
#3	.8374065	366.3107	2.884770	75.41420	.1903705	.0134522

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.47146	1.138030	.4994079	1.920323	.1750411	.0053962
Stddev	.06706	.008353	.0024191	.007335	.0021939	.0002006
%RSD	.3275830	.7340086	.4844024	.3819518	1.253364	3.717652
#1	20.39440	1.145854	.4967194	1.913996	.1755689	.0054315
#2	20.50335	1.129233	.5000958	1.928363	.1726314	.0055768
#3	20.51661	1.139003	.5014087	1.918612	.1769229	.0051803

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3520-13 Acquired: 8/15/2024 18:29:00 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003357	8.874761	3.677193	F 10.62462	F 11.39570	1.949775
Stddev	.000794	.069449	.015927	.16022	.13771	.039999
%RSD	23.65948	.7825463	.4331294	1.507974	1.208429	2.051444
#1	-.003314	8.946490	3.666085	10.80949	11.55401	1.969930
#2	-.004172	8.807841	3.670053	10.52617	11.30368	1.903709
#3	-.002585	8.869951	3.695441	10.53821	11.32939	1.975687

Elem	Sr4077
Units	ppm
Avg	-.097144
Stddev	.002181
%RSD	2.244614
#1	-.094633
#2	-.098558
#3	-.098240

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3607.396	125749.5	12762.97	5026.310	5010.195
Stddev	29.033	433.6	98.22	17.771	56.352
%RSD	.8048105	.3448037	.7695963	.3535571	1.124743
#1	3575.040	126187.4	12673.70	5037.415	4946.790
#2	3631.171	125740.6	12868.19	5035.700	5054.561
#3	3615.977	125320.4	12747.03	5005.813	5029.236

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3520-15 Acquired: 8/15/2024 18:33:12 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0179888	-.019655	.0463154	-.049837	.0086454	162.9933
Stddev	.0003507	.001690	.0000893	.004078	.0010116	.4888
%RSD	1.949655	8.600665	.1928219	8.182129	11.70062	.2999045
#1	.0183600	-.020623	.0463554	-.054068	.0097523	162.5207
#2	.0176630	-.017703	.0463777	-.045932	.0077690	163.4969
#3	.0179434	-.020640	.0462131	-.049510	.0084149	162.9622

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1370881	.0053913	.0148637	135.3834	.0350979	.3096076
Stddev	.0010048	.0000260	.0004694	.4842	.0002406	.0027459
%RSD	.7329550	.4829559	3.157714	.3576592	.6853857	.8868949
#1	.1361122	.0054119	.0147145	134.9840	.0348394	.3094606
#2	.1381195	.0053620	.0144872	135.9220	.0351390	.3069381
#3	.1370326	.0054000	.0153896	135.2444	.0353152	.3124240

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9103468	429.4004	3.485680	99.88376	.2228855	.0142104
Stddev	.0072007	.4763	.009866	.29915	.0024336	.0002428
%RSD	.7909807	.1109114	.2830508	.2994938	1.091883	1.708666
#1	.9089391	429.6731	3.477995	99.78564	.2220314	.0142649
#2	.9039540	429.6777	3.496806	100.2196	.2209940	.0144213
#3	.9181474	428.8505	3.482240	99.6460	.2256311	.0139449

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	28.75717	1.400509	.5633224	2.150480	.5316912	.0050362
Stddev	.03037	.003924	.0030449	.005230	.0016332	.0001088
%RSD	.1056185	.2801568	.5405193	.2431859	.3071799	2.160588
#1	28.78533	1.396005	.5645532	2.149509	.5309559	.0049689
#2	28.72498	1.402334	.5598548	2.145804	.5305549	.0051617
#3	28.76120	1.403187	.5655592	2.156127	.5335629	.0049780

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3520-15 Acquired: 8/15/2024 18:33:12 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000782	F 11.06561	2.696632	F 10.78315	8.829040	2.597357
Stddev	.000227	.04696	.013423	.08606	.085700	.029398
%RSD	28.99387	.4243424	.4977603	.7980838	.9706632	1.131833
#1	-.000522	11.01862	2.710441	10.75716	8.785338	2.593834
#2	-.000938	11.11253	2.683631	10.71309	8.774000	2.628358
#3	-.000887	11.06569	2.695824	10.87921	8.927782	2.569880

Elem	Sr4077
Units	ppm
Avg	-.092807
Stddev	.001573
%RSD	1.694784
#1	-.094516
#2	-.091420
#3	-.092485

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3625.617	125866.1	12220.05	5027.077	4996.562
Stddev	15.651	308.3	63.72	33.770	33.453
%RSD	.4316887	.2449341	.5214053	.6717627	.6695267
#1	3630.289	126148.6	12293.42	5029.077	5012.053
#2	3638.401	125912.6	12178.66	5059.802	5019.462
#3	3608.162	125537.2	12188.06	4992.351	4958.171

Sample Name: P3520-17 Acquired: 8/15/2024 18:37:26 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000173	.0024558	.0541483	-.012347	.0031074	45.00859
Stddev	.002238	.0002343	.0005750	.002809	.0007900	.08596
%RSD	1295.623	9.541757	1.061848	22.75188	25.42302	.1909934
#1	.001748	.0024671	.0547955	-.015024	.0026163	45.10183
#2	-.002630	.0026842	.0539525	-.009422	.0040187	44.99145
#3	.000364	.0022160	.0536967	-.012596	.0026872	44.93248

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5945030	.0022084	.0004451	19.50440	.0800814	.1291175
Stddev	.0021960	.0000459	.0000772	.04907	.0005296	.0007208
%RSD	.3693793	2.078084	17.34777	.2515658	.6613370	.5582415
#1	.5970012	.0022365	.0003568	19.54277	.0798794	.1290546
#2	.5936306	.0022333	.0004997	19.52131	.0806822	.1284302
#3	.5928774	.0021555	.0004789	19.44911	.0796824	.1298677

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2784105	111.7921	.5029292	20.22843	.1793756	.0055538
Stddev	.0010776	.1869	.0020834	.08497	.0005023	.0002062
%RSD	.3870365	.1671603	.4142587	.4200363	.2800221	3.712097
#1	.2785220	111.7310	.5048455	20.18815	.1791139	.0055780
#2	.2772816	112.0019	.5032307	20.32604	.1790583	.0057467
#3	.2794280	111.6435	.5007115	20.17109	.1799547	.0053365

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3411150	.1255434	.2912989	42.48363	-.009916	-.000701
Stddev	.0086321	.0029501	.0011549	.03587	.001206	.000030
%RSD	2.530567	2.349846	.3964500	.0844441	12.16278	4.246739
#1	.3510727	.1289044	.2912295	42.46972	-.010831	-.000677
#2	.3357511	.1243434	.2924868	42.52437	-.010366	-.000691
#3	.3365214	.1233825	.2901802	42.45679	-.008549	-.000734

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3520-17 Acquired: 8/15/2024 18:37:26 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008939	6.974010	6.315077	5.757316	F 15.10047	1.918697
Stddev	.0005524	.017522	.019838	.009141	.03041	.061398
%RSD	61.79487	.2512525	.3141404	.1587721	.2013715	3.199993
#1	.0015296	6.984845	6.296580	5.758143	15.07000	1.877228
#2	.0006210	6.983391	6.336029	5.747790	15.10059	1.989231
#3	.0005311	6.953794	6.312623	5.766016	15.13082	1.889632

Elem	Sr4077
Units	ppm
Avg	-.053964
Stddev	.000218
%RSD	.4048739
#1	-.053833
#2	-.054216
#3	-.053842

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3413.130	112533.9	10737.08	4621.386	5739.907
Stddev	12.947	169.7	39.54	21.099	15.290
%RSD	.3793324	.1508018	.3682838	.4565478	.2663734
#1	3417.368	112481.3	10699.05	4603.029	5743.129
#2	3423.427	112396.8	10734.22	4616.692	5753.330
#3	3398.595	112723.7	10777.98	4644.436	5723.264

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3386-02 Acquired: 8/15/2024 18:41:39 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002925	-.002092	.0001491	-.000187	-.000935	.0233492	.0060571
Stddev	.000592	.002173	.0006013	.001209	.000698	.0046534	.0010430
%RSD	20.24359	103.8989	403.2206	645.9716	74.62591	19.92950	17.21996
#1	-.002818	-.004018	.0008134	-.001472	-.001733	.0251102	.0065973
#2	-.002394	.000265	-.000358	.000928	-.000439	.0180724	.0048548
#3	-.003563	-.002522	-.000008	-.000018	-.000633	.0268652	.0067192

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000063	-.000060	10.63479	.0062040	.0000586	.0408336	.1534792
Stddev	.000029	.000038	.01475	.0002258	.0000739	.0005025	.0033998
%RSD	46.57949	63.40765	.1387221	3.640034	126.1842	1.230643	2.215138
#1	-.000042	-.000018	10.65030	.0061759	.0001412	.0403459	.1528949
#2	-.000097	-.000091	10.63315	.0059935	-.000001	.0408050	.1571332
#3	-.000051	-.000071	10.62093	.0064426	.000036	.0413498	.1504094

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0084150	2.528064	.0039938	.0000402	18.13447	-.000052	.2344297
Stddev	.0002196	.009938	.0001620	.0001968	.06648	.000499	.0006774
%RSD	2.609277	.3931213	4.055581	489.8349	.3666111	963.4239	.2889493
#1	.0082616	2.528444	.0039673	.0001916	18.05961	-.000442	.2347557
#2	.0086665	2.517942	.0041674	.0001112	18.15718	.000510	.2336510
#3	.0083168	2.537808	.0038467	-.000182	18.18662	-.000223	.2348825

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6747080	.0053665	.0005398	-.010122	.0000680	1.454812	.7882665
Stddev	.0157677	.0001631	.0000811	.000377	.0006091	.009811	.0041095
%RSD	2.336972	3.038892	15.02806	3.723057	895.5901	.6743787	.5213351
#1	.6604180	.0052354	.0004597	-.009699	.0007093	1.444183	.7877448
#2	.6720822	.0055491	.0006219	-.010420	-.000503	1.463521	.7926120
#3	.6916238	.0053150	.0005378	-.010249	-.000002	1.456731	.7844428

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3386-02 Acquired: 8/15/2024 18:41:39 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.797458	.1201917	.0329202
Stddev	.009659	.0690724	.0001101
%RSD	.3452949	57.46850	.3343857
#1	2.804790	.1828315	.0328921
#2	2.801071	.0461145	.0328269
#3	2.786513	.1316291	.0330416

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3273.197	109861.5	10415.20	4514.478	5927.324
Stddev	8.752	92.7	47.11	6.336	18.083
%RSD	.2673949	.0844073	.4523613	.1403556	.3050781
#1	3278.679	109800.7	10360.85	4514.474	5932.187
#2	3263.103	109968.2	10440.26	4520.817	5907.307
#3	3277.807	109815.5	10444.48	4508.144	5942.479

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3386-02DUP Acquired: 8/15/2024 18:46:04 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003640	-.002769	.0004941	.0013063	-.000302	.0181799	.0072156
Stddev	.000441	.000181	.0001651	.0009515	.000699	.0048606	.0005890
%RSD	12.12863	6.539708	33.40950	72.83804	231.2761	26.73608	8.163242
#1	-.003421	-.002767	.0006710	.0010519	-.001059	.0139144	.0074102
#2	-.003351	-.002588	.0003442	.0023591	.000319	.0171535	.0065539
#3	-.004148	-.002950	.0004671	.0005079	-.000166	.0234716	.0076827

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000046	-.000074	10.71110	.0048084	.0000049	.0416406	.1301967
Stddev	.000022	.000036	.02765	.0002585	.0001018	.0002301	.0007940
%RSD	48.30735	48.11765	.2581050	5.376181	2062.514	.5526566	.6098688
#1	-.000071	-.000060	10.71009	.0046740	.0000323	.0417390	.1293700
#2	-.000030	-.000115	10.73923	.0046447	.0000903	.0413777	.1309534
#3	-.000036	-.000048	10.68397	.0051064	-.000108	.0418052	.1302668

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0078686	2.575584	.0029587	.0000735	17.04608	-.001753	.2274529
Stddev	.0002573	.021871	.0001288	.0000926	.02455	.001153	.0004193
%RSD	3.270052	.8491711	4.352828	125.9144	.1440425	65.78228	.1843366
#1	.0077866	2.573273	.0030476	-.000025	17.07390	-.000437	.2274232
#2	.0076622	2.598518	.0030174	.000159	17.03693	-.002236	.2278862
#3	.0081569	2.554960	.0028110	.000087	17.02741	-.002587	.2270492

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5998691	.0049410	.0003228	-.009106	.0004089	1.372645	.8193158
Stddev	.0049954	.0001994	.0002303	.000259	.0005412	.003958	.0009726
%RSD	.8327411	4.035202	71.33559	2.848619	132.3489	.2883663	.1187046
#1	.5946687	.0047120	.0004433	-.009100	-.000078	1.375577	.8192781
#2	.6003080	.0050348	.0004679	-.009368	.000992	1.374216	.8183626
#3	.6046305	.0050762	.0000573	-.008849	.000312	1.368142	.8203066

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3386-02DUP Acquired: 8/15/2024 18:46:04 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.918178	.0803169	.0331715
Stddev	.010130	.0213424	.0000605
%RSD	.3471273	26.57275	.1824203
#1	2.911810	.0592038	.0331030
#2	2.912865	.1018814	.0331938
#3	2.929859	.0798655	.0332177

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3180.355	114969.8	9980.684	4633.962	5723.197
Stddev	5.295	163.7	34.276	15.706	7.493
%RSD	.1665004	.1423623	.3434246	.3389327	.1309219
#1	3181.543	115158.8	10020.25	4644.725	5727.547
#2	3174.567	114878.1	9961.84	4615.939	5714.545
#3	3184.956	114872.5	9959.97	4641.222	5727.498

Sample Name: P3386-02LX5 Acquired: 8/15/2024 18:50:28 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001969	-.001858	-.000048	-.000860	-.000552	.0041601	.0030284
Stddev	.000860	.000861	.000477	.001006	.001143	.0044794	.0006271
%RSD	43.66646	46.33854	983.7208	116.9859	206.8904	107.6744	20.70694
#1	-.002685	-.001471	-.000442	-.001465	-.001059	.0035666	.0037271
#2	-.001016	-.002844	.000481	-.001415	.000756	.0000071	.0028438
#3	-.002207	-.001258	-.000185	.000301	-.001355	.0089066	.0025144

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000011	-.000012	2.231127	.0004198	.0000097	.0087224	.0304843
Stddev	.000041	.000064	.019782	.0000127	.0000244	.0003831	.0023309
%RSD	376.7828	524.9265	.8866356	3.025694	251.9499	4.391727	7.646331
#1	.000013	-.000050	2.208309	.0004177	.0000350	.0085225	.0331726
#2	-.000058	.000062	2.243442	.0004334	-.000014	.0084807	.0290249
#3	.000012	-.000048	2.241630	.0004082	.000008	.0091641	.0292556

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015780	.5212269	.0002437	.0001469	3.774685	-.003178	.0477256
Stddev	.0001186	.0102622	.0000948	.0000715	.011509	.000726	.0003638
%RSD	7.518767	1.968858	38.91973	48.71626	.3049029	22.85665	.7622743
#1	.0017045	.5097208	.0001551	.0002290	3.782387	-.002626	.0477837
#2	.0015601	.5245260	.0002322	.0000979	3.761455	-.004000	.0473363
#3	.0014692	.5294338	.0003437	.0001137	3.780213	-.002906	.0480569

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0617073	-.000097	.0001260	-.002799	-.000007	.3097445	.1644905
Stddev	.0107219	.000354	.0001358	.000687	.000229	.0082397	.0017524
%RSD	17.37539	366.3938	107.8018	24.55353	3111.448	2.660151	1.065325
#1	.0520555	.000294	.0002105	-.003077	.000240	.3061120	.1637545
#2	.0598182	-.000188	-.000031	-.002016	-.000210	.3191763	.1664908
#3	.0732482	-.000395	.000198	-.003304	-.000052	.3039453	.1632262

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3386-02LX5 Acquired: 8/15/2024 18:50:28 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5864495	.0484737	.0068452
Stddev	.0027782	.0454358	.0000487
%RSD	.4737379	93.73287	.7115094
#1	.5880889	.0097982	.0067975
#2	.5832418	.0371102	.0068949
#3	.5880180	.0985128	.0068432

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3245.344	105177.3	10029.26	4381.052	5872.728
Stddev	9.257	330.8	43.87	11.429	14.203
%RSD	.2852454	.3145579	.4373767	.2608835	.2418522
#1	3234.920	105539.7	10078.58	4386.296	5856.814
#2	3252.605	104891.3	9994.62	4388.919	5884.120
#3	3248.508	105100.9	10014.58	4367.942	5877.248

Sample Name: P3386-02MS Acquired: 8/15/2024 18:54:54 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6965212	1.808233	.8716438	1.680994	.7453309	1.849326	.1959384
Stddev	.0020301	.011367	.0015152	.008641	.0002636	.004494	.0003265
%RSD	.2914671	.6286319	.1738297	.5140431	.0353726	.2429854	.1666199
#1	.6977218	1.815714	.8731806	1.679217	.7454818	1.848905	.1955902
#2	.6941773	1.795152	.8701512	1.673380	.7454844	1.854016	.1962376
#3	.6976646	1.813832	.8715995	1.690386	.7450264	1.845059	.1959875

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1980180	.1678405	11.29938	.3737627	.1819912	.3260414	2.976919
Stddev	.0006407	.0001762	.02692	.0014820	.0001151	.0004586	.014514
%RSD	.3235484	.1049517	.2382600	.3965081	.0632198	.1406488	.4875610
#1	.1974516	.1676802	11.29467	.3725173	.1819029	.3259971	2.987828
#2	.1978890	.1678123	11.27513	.3754018	.1819494	.3256066	2.982484
#3	.1987134	.1680291	11.32835	.3733691	.1821213	.3265205	2.960446

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2013597	4.266728	.4608617	.0722105	20.40382	.2769139	.4251105
Stddev	.0006236	.008643	.0002670	.0002371	.10261	.0009916	.0010513
%RSD	.3096933	.2025743	.0579325	.3282888	.5028729	.3580833	.2472918
#1	.2008629	4.261226	.4611643	.0724460	20.42750	.2758241	.4259499
#2	.2011566	4.276690	.4606593	.0719719	20.49251	.2771547	.4239314
#3	.2020595	4.262268	.4607614	.0722136	20.29144	.2777630	.4254502

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.840732	.2654977	.3952062	.6152203	.1923284	2.108771	5.874585
Stddev	.028407	.0016525	.0004265	.0023018	.0009870	.014368	.022564
%RSD	.2886660	.6224012	.1079087	.3741501	.5131948	.6813409	.3841020
#1	9.849636	.2639339	.3948827	.6132268	.1914930	2.098228	5.894211
#2	9.863621	.2653329	.3950464	.6146945	.1920748	2.125136	5.849931
#3	9.808940	.2672264	.3956895	.6177395	.1934175	2.102949	5.879614

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3386-02MS Acquired: 8/15/2024 18:54:54 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.555965	3.529431	.2122480
Stddev	.005595	.061211	.0003556
%RSD	.2188960	1.734314	.1675482
#1	2.557072	3.476095	.2118617
#2	2.549900	3.515933	.2123204
#3	2.560924	3.596264	.2125618

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3430.916	111282.6	10706.09	4575.239	6233.139
Stddev	7.196	335.7	20.97	17.072	8.133
%RSD	.2097342	.3016541	.1959153	.3731421	.1304867
#1	3432.791	111163.3	10730.19	4563.037	6231.429
#2	3436.988	111022.9	10691.98	4594.748	6241.992
#3	3422.968	111661.7	10696.10	4567.930	6225.997

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3386-02MSD Acquired: 8/15/2024 18:59:01 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7496843	1.912234	.9265574	1.827968	.7754230	1.921370	.2023386
Stddev	.0005993	.006253	.0027364	.003616	.0023886	.011202	.0002016
%RSD	.0799459	.3269770	.2953316	.1978086	.3080343	.5830389	.0996405
#1	.7502313	1.911595	.9254297	1.828289	.7757036	1.908591	.2021208
#2	.7497778	1.906326	.9296775	1.824202	.7729065	1.926024	.2023764
#3	.7490436	1.918782	.9245651	1.831413	.7776589	1.929496	.2025187

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2050410	.1787462	11.58038	.3855797	.1918748	.3458291	2.999431
Stddev	.0012743	.0001614	.02222	.0009006	.0002257	.0013115	.019022
%RSD	.6214671	.0903177	.1918789	.2335631	.1176474	.3792296	.6341737
#1	.2063457	.1788423	11.58363	.3852566	.1918200	.3467952	2.977888
#2	.2049779	.1788365	11.60079	.3865972	.1921229	.3443361	3.006491
#3	.2037995	.1785598	11.55671	.3848852	.1916815	.3463561	3.013912

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2100852	4.378446	.4926938	.0739205	20.11388	.2883633	.4308530
Stddev	.0008148	.043280	.0003412	.0006457	.12637	.0021495	.0005835
%RSD	.3878242	.9884688	.0692544	.8734617	.6282827	.7454214	.1354345
#1	.2093114	4.333102	.4929922	.0733529	20.01065	.2897626	.4301915
#2	.2109355	4.382922	.4927674	.0737856	20.07618	.2858883	.4310728
#3	.2100087	4.419313	.4923218	.0746230	20.25481	.2894390	.4312946

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.857934	.2742691	.3980218	.6397527	.1950741	2.075510	6.502364
Stddev	.059835	.0015156	.0009367	.0020446	.0014338	.016699	.008626
%RSD	.6069779	.5526062	.2353438	.3195922	.7349813	.8045533	.1326587
#1	9.790659	.2757869	.3978345	.6389406	.1943349	2.063508	6.494259
#2	9.877940	.2742648	.3971930	.6382388	.1967266	2.068443	6.501404
#3	9.905203	.2727557	.3990381	.6420785	.1941607	2.094581	6.511430

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3386-02MSD Acquired: 8/15/2024 18:59:01 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.808088	3.651948	.2192132
Stddev	.004022	.039968	.0003261
%RSD	.1432243	1.094439	.1487735
#1	2.811063	3.696259	.2190719
#2	2.803513	3.640966	.2195861
#3	2.809690	3.618619	.2189815

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3225.739	112658.3	10481.77	4582.708	5766.517
Stddev	5.150	234.0	49.26	19.716	.855
%RSD	.1596681	.2076706	.4699646	.4302350	.0148193
#1	3223.156	112725.6	10433.62	4595.992	5766.498
#2	3231.670	112851.2	10479.62	4592.078	5767.381
#3	3222.392	112398.1	10532.07	4560.054	5765.672

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CCV08 Acquired: 8/15/2024 19:03:07 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV08 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.137121	5.043376	5.138615	5.216143	5.115056	9.725386
Stddev	.018502	.007326	.024104	.018944	.019519	.049841
%RSD	.3601722	.1452683	.4690725	.3631892	.3815993	.5124834
#1	5.115785	5.048721	5.110907	5.194647	5.093246	9.670171
#2	5.148753	5.035025	5.154746	5.223383	5.121040	9.738937
#3	5.146825	5.046383	5.150192	5.230401	5.130883	9.767050

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.19717	.2680981	2.503185	25.87594	.9745929	2.482249
Stddev	.13188	.0008762	.010875	.11468	.0017068	.012475
%RSD	1.293338	.3268358	.4344643	.4431863	.1751304	.5025602
#1	10.17564	.2681944	2.490928	25.75022	.9734675	2.467973
#2	10.33849	.2689223	2.511679	25.97481	.9737544	2.491049
#3	10.07737	.2671777	2.506950	25.90279	.9765568	2.487725

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.292069	4.944228	2.554462	24.51475	2.536479	1.276223
Stddev	.007470	.031931	.010277	.17201	.012962	.000744
%RSD	.5781646	.6458142	.4023001	.7016795	.5110103	.0583162
#1	1.283453	4.913583	2.544086	24.33672	2.521564	1.275987
#2	1.296743	4.941796	2.564636	24.68004	2.545021	1.275626
#3	1.296010	4.977305	2.554663	24.52750	2.542851	1.277057

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.14770	2.467728	2.605043	23.78410	5.237790	5.068151
Stddev	.20327	.009774	.004914	.25004	.016699	.020894
%RSD	.8781505	.3960698	.1886402	1.051270	.3188178	.4122691
#1	22.93872	2.457042	2.599372	23.52216	5.237800	5.044127
#2	23.15964	2.469928	2.607710	23.80992	5.254484	5.078242
#3	23.34474	2.476215	2.608047	24.02022	5.221086	5.082085

Sample Name: CCV08 Acquired: 8/15/2024 19:03:07 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV08 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.974825	5.188574	4.825093	5.290206	5.022663	F .1163235
Stddev	.018204	.023810	.054475	.020583	.019828	.0212393
%RSD	.3659270	.4588930	1.128989	.3890744	.3947612	18.25883
#1	4.953909	5.161091	4.764237	5.266625	4.999818	.1365288
#2	4.987092	5.201640	4.841738	5.304566	5.032780	.1182590
#3	4.983474	5.202990	4.869303	5.299426	5.035391	.0941827

Elem	Sr4077
Units	ppm
Avg	5.141927
Stddev	.028397
%RSD	.5522694
#1	5.145320
#2	5.168476
#3	5.111986

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3091.576	105739.6	9974.489	4334.421	5326.456
Stddev	15.766	291.5	45.939	25.026	25.584
%RSD	.5099597	.2756866	.4605627	.5773814	.4803242
#1	3109.358	106072.9	9984.350	4360.964	5355.666
#2	3086.063	105532.3	9924.421	4311.255	5315.675
#3	3079.308	105613.7	10014.70	4331.045	5308.026

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CCB08 Acquired: 8/15/2024 19:07:27 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB08 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001248	-.001211	.0000360	-.000553	-.000424	.0073553
Stddev	.000667	.000314	.0001392	.003188	.000121	.0055847
%RSD	53.44088	25.93894	386.9510	576.4152	28.46656	75.92689
#1	-.000480	-.001423	.0000724	.002064	-.000517	.0121584
#2	-.001580	-.001361	.0001533	-.004104	-.000466	.0086801
#3	-.001682	-.000850	-.000118	.000381	-.000288	.0012274

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027686	.0000051	-.000005	-.008354	.0003356	.0000590
Stddev	.0002557	.0000102	.000036	.003080	.0000517	.0000436
%RSD	9.236543	197.9608	656.0220	36.87015	15.41406	73.89298
#1	.0026179	.0000137	.000022	-.011902	.0002872	.0000087
#2	.0030638	-.000006	-.000046	-.006372	.0003296	.0000836
#3	.0026240	.000008	.000008	-.006787	.0003901	.0000848

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000045	.0046201	-.000099	-.015415	.0001144	.0003769
Stddev	.000040	.0036800	.000391	.002887	.0000507	.0000744
%RSD	89.12258	79.65239	397.0747	18.73127	44.30058	19.74052
#1	.000000	.0016170	.000345	-.017968	.0001237	.0004628
#2	-.000076	.0087252	-.000244	-.015996	.0001599	.0003320
#3	-.000060	.0035181	-.000396	-.012281	.0000598	.0003360

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.035752	-.001141	-.000615	-.026998	.0054493	.0003759
Stddev	.004339	.000920	.000079	.001096	.0002464	.0001194
%RSD	12.13742	80.60136	12.84462	4.058682	4.521402	31.74886
#1	-.034361	-.001940	-.000648	-.025744	.0052498	.0005125
#2	-.032279	-.000136	-.000673	-.027480	.0057247	.0003234
#3	-.040616	-.001348	-.000525	-.027770	.0053735	.0002919

Sample Name: CCB08 Acquired: 8/15/2024 19:07:27 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB08 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001784	.0013212	.0076354	-.000767	-.001322	F .0248968
Stddev	.000396	.0005889	.0034952	.001191	.001391	.0101242
%RSD	22.19815	44.56802	45.77658	155.2979	105.1469	40.66470
#1	-.001789	.0019394	.0116122	-.001761	-.002092	.0136998
#2	-.001386	.0012574	.0062430	.000553	-.002158	.0334055
#3	-.002178	.0007669	.0050510	-.001094	.000283	.0275852

Elem	Sr4077
Units	ppm
Avg	.0001211
Stddev	.0000876
%RSD	72.32769
#1	.0001739
#2	.0001694
#3	.0000200

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3313.910	109459.3	9886.453	4522.700	6028.534
Stddev	17.278	683.9	64.430	46.908	39.712
%RSD	.5213638	.6248314	.6517018	1.037179	.6587368
#1	3302.002	108794.2	9821.065	4501.471	5993.892
#2	3333.726	109423.2	9888.415	4490.160	6071.874
#3	3306.003	110160.6	9949.880	4576.471	6019.836

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: P3386-02A Acquired: 8/15/2024 19:11:55 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7277931	1.917353	.9156876	1.770518	.7870530	1.990984	.2062015
Stddev	.0020683	.017929	.0008176	.003562	.0007551	.012887	.0002911
%RSD	.2841809	.9350860	.0892902	.2011960	.0959386	.6472600	.1411482
#1	.7275429	1.897974	.9147665	1.767763	.7878087	1.976104	.2060099
#2	.7299751	1.933349	.9159688	1.774541	.7870518	1.998344	.2060581
#3	.7258613	1.920736	.9163276	1.769250	.7862985	1.998505	.2065364

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2197904	.1761558	11.82059	.3962731	.1905118	.3417952	3.032755
Stddev	.0006464	.0000280	.02549	.0013577	.0002499	.0002188	.014883
%RSD	.2940788	.0158754	.2156319	.3426186	.1311941	.0640255	.4907444
#1	.2191201	.1761373	11.80334	.3978041	.1903625	.3420478	3.046916
#2	.2198414	.1761421	11.80856	.3952153	.1903726	.3416729	3.017242
#3	.2204097	.1761880	11.84987	.3958000	.1908004	.3416648	3.034106

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2151869	4.569222	.4858726	.0758709	20.75442	.2938306	.4432185
Stddev	.0008133	.017172	.0004934	.0004007	.03077	.0010186	.0007845
%RSD	.3779546	.3758131	.1015389	.5281860	.1482787	.3466504	.1769992
#1	.2143675	4.588490	.4864363	.0763107	20.77968	.2949104	.4435116
#2	.2159940	4.555534	.4856623	.0757755	20.72014	.2928870	.4423296
#3	.2151993	4.563643	.4855193	.0755264	20.76344	.2936943	.4438142

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.02270	.2955922	.4149247	.6516480	.2052408	2.160407	6.226694
Stddev	.02497	.0017345	.0004933	.0012748	.0006590	.007627	.024030
%RSD	.2491805	.5867929	.1188804	.1956243	.3210692	.3530456	.3859174
#1	10.04336	.2941012	.4146093	.6508453	.2054289	2.168385	6.213171
#2	9.99495	.2951795	.4146717	.6531179	.2045082	2.153187	6.254438
#3	10.02979	.2974958	.4154931	.6509807	.2057853	2.159651	6.212472

Sample Name: P3386-02A Acquired: 8/15/2024 19:11:55 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.686618	3.855859	.2228967
Stddev	.013877	.028687	.0002140
%RSD	.5165309	.7439787	.0959953
#1	2.670989	3.826339	.2226621
#2	2.691368	3.883633	.2229468
#3	2.697496	3.857604	.2230811

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3318.772	107622.5	9830.050	4439.440	6000.598
Stddev	8.863	249.1	36.504	5.756	7.997
%RSD	.2670572	.2314614	.3713535	.1296659	.1332719
#1	3314.570	107737.0	9866.800	4443.984	5998.744
#2	3312.791	107793.7	9829.555	4441.369	5993.691
#3	3328.954	107336.7	9793.796	4432.966	6009.359

Sample Name: PB162768BL Acquired: 8/15/2024 19:16:02 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001625	-.001967	-.000512	.0001310	.0001627	.0005750
Stddev	.000530	.000478	.001231	.0005858	.0007145	.0034992
%RSD	32.63230	24.31763	240.2450	447.1700	439.1493	608.5706
#1	-.001416	-.001427	-.001578	-.000545	.0009626	-.002012
#2	-.002228	-.002338	-.000795	.000487	-.000062	-.000819
#3	-.001231	-.002135	.000835	.000451	-.000412	.004556

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009936	.0000246	.0000003	-.004889	.0000666	.0000045
Stddev	.0000818	.0000298	.0000541	.006496	.0001870	.0000806
%RSD	8.227954	121.2565	16511.74	132.8833	280.5345	1787.399
#1	.0009274	.0000162	-.000057	.000607	-.000007	-.000064
#2	.0010850	.0000576	.000008	-.003215	.000279	.000093
#3	.0009685	-.000000	.000050	-.012058	-.000073	-.000016

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000011	-.002198	-.000218	-.015337	.0002589	.0000612
Stddev	.000466	.002957	.000082	.004644	.0001086	.0002536
%RSD	4307.357	134.5692	37.73085	30.28255	41.95768	414.0396
#1	-.000184	-.002193	-.000123	-.010182	.0003837	-.000146
#2	.000517	-.005157	-.000257	-.019195	.0001860	-.000014
#3	-.000365	.000757	-.000273	-.016633	.0002069	.000344

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.031870	-.001683	-.000898	-.055697	.0005260	.0002961
Stddev	.004828	.001742	.000199	.002686	.0001699	.0001234
%RSD	15.14907	103.5342	22.16507	4.823164	32.29380	41.67609
#1	-.034769	.000167	-.001099	-.058426	.0003472	.0002998
#2	-.034544	-.001922	-.000893	-.055611	.0005456	.0001709
#3	-.026296	-.003293	-.000701	-.053055	.0006852	.0004176

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: PB162768BL Acquired: 8/15/2024 19:16:02 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000876	-.000336	.0003314	-.000316	-.001860	F .0166837
Stddev	.000787	.000832	.0074742	.002255	.000852	.0304005
%RSD	89.81115	247.8826	2255.435	714.2362	45.82028	182.2164
#1	-.001675	.000144	-.007956	.001739	-.002015	-.007171
#2	-.000853	.000146	.002389	-.002728	-.002623	.050914
#3	-.000101	-.001296	.006561	.000043	-.000941	.006308

Elem	Sr4077
Units	ppm
Avg	-.000143
Stddev	.000026
%RSD	18.29390
#1	-.000114
#2	-.000151
#3	-.000164

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3258.952	111341.5	10616.22	4594.632	5905.347
Stddev	30.871	385.5	11.22	20.507	66.059
%RSD	.9472687	.3462423	.1056483	.4463354	1.118638
#1	3291.135	111785.1	10623.58	4612.960	5977.852
#2	3256.136	111151.6	10621.78	4598.455	5889.616
#3	3229.586	111087.7	10603.31	4572.483	5848.574

Sample Name: PB162768BS Acquired: 8/15/2024 19:20:30 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7181051	1.910232	.9127302	1.823056	.7598571	1.846178
Stddev	.0029089	.024225	.0047292	.012770	.0065159	.005535
%RSD	.4050783	1.268197	.5181422	.7004773	.8575141	.2997848
#1	.7152734	1.888082	.9088293	1.808728	.7537228	1.844860
#2	.7179565	1.906511	.9113709	1.827205	.7591514	1.852252
#3	.7210855	1.936102	.9179902	1.833236	.7666971	1.841421

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1920093	.2068206	.1766689	1.026482	.3761277	.1879194
Stddev	.0004614	.0005893	.0011933	.012619	.0010820	.0012349
%RSD	.2402766	.2849569	.6754454	1.229376	.2876675	.6571652
#1	.1917328	.2062258	.1756656	1.015342	.3748821	.1867326
#2	.1925419	.2068317	.1763526	1.023918	.3766660	.1878281
#3	.1917532	.2074043	.1779885	1.040187	.3768350	.1891974

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2976364	2.849789	.1968721	1.852594	.4786813	.0738685
Stddev	.0017772	.013830	.0009633	.013385	.0029680	.0001302
%RSD	.5970958	.4853041	.4892954	.7224915	.6200319	.1763125
#1	.2959658	2.865278	.1957623	1.841863	.4762034	.0737826
#2	.2974397	2.845408	.1974912	1.867592	.4778698	.0740184
#3	.2995037	2.838679	.1973629	1.848327	.4819706	.0738045

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.560426	.2756058	.2029625	8.867211	.2845133	.3853248
Stddev	.006367	.0024586	.0007719	.036878	.0019726	.0025149
%RSD	.2486662	.8920710	.3803126	.4158909	.6933309	.6526608
#1	2.553831	.2760973	.2024191	8.824947	.2823293	.3829778
#2	2.560909	.2729386	.2038461	8.883839	.2861654	.3850172
#3	2.566538	.2777816	.2026224	8.892847	.2850453	.3879793

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: PB162768BS Acquired: 8/15/2024 19:20:30 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6418310	.1911216	F .6502395	5.543731	F -.008603	F 3.569733
Stddev	.0059117	.0013798	.0035844	.043581	.000952	.058411
%RSD	.9210711	.7219697	.5512491	.7861314	11.06388	1.636290
#1	.6372773	.1903015	.6467846	5.501379	-.009280	3.548666
#2	.6397037	.1903487	.6499933	5.541367	-.009015	3.635755
#3	.6485119	.1927147	.6539407	5.588445	-.007515	3.524778

Elem	Sr4077
Units	ppm
Avg	.1813003
Stddev	.0004638
%RSD	.2558051
#1	.1810301
#2	.1810350
#3	.1818358

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3315.869	108523.1	10287.40	4528.875	5935.790
Stddev	17.724	254.6	16.46	21.841	30.923
%RSD	.5345162	.2345728	.1600145	.4822616	.5209510
#1	3335.882	108256.5	10304.49	4514.619	5968.714
#2	3309.569	108549.4	10271.65	4517.985	5931.297
#3	3302.155	108763.6	10286.06	4554.020	5907.360

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CCV09 Acquired: 8/15/2024 19:35:46 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV09 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.026645	5.216600	5.015202	5.112767	4.972619	9.549649
Stddev	.007209	.009202	.023533	.013440	.012115	.015340
%RSD	.1434152	.1764004	.4692409	.2628654	.2436329	.1606334
#1	5.034189	5.227220	5.033335	5.125225	4.979275	9.566220
#2	5.025920	5.211605	5.023663	5.114553	4.979946	9.546782
#3	5.019825	5.210977	4.988608	5.098524	4.958635	9.535945

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.878518	.2664981	2.452110	25.38200	.9458075	2.423268
Stddev	.093329	.0008137	.009274	.02683	.0014216	.006707
%RSD	.9447661	.3053153	.3782138	.1057177	.1503094	.2767800
#1	9.969429	.2674067	2.458757	25.39222	.9474457	2.428804
#2	9.782946	.2662509	2.456057	25.35156	.9448983	2.425191
#3	9.883179	.2658367	2.441515	25.40223	.9450784	2.415810

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.251508	4.649791	2.504243	24.20483	2.472675	1.227202
Stddev	.003299	.027122	.008751	.04073	.006926	.001613
%RSD	.2635806	.5832848	.3494560	.1682766	.2801208	.1314302
#1	1.254669	4.634052	2.505153	24.15780	2.478444	1.228684
#2	1.251766	4.634213	2.495073	24.22758	2.474587	1.225484
#3	1.248087	4.681108	2.512504	24.22910	2.464993	1.227438

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 21.79740	2.414875	2.494223	F 22.41920	5.229535	4.955232
Stddev	.10335	.010200	.005459	.12065	.020441	.015816
%RSD	.4741298	.4223854	.2188812	.5381397	.3908842	.3191863
#1	21.78374	2.416648	2.500144	22.40790	5.250148	4.972070
#2	21.70155	2.403905	2.489388	22.30461	5.229186	4.952939
#3	21.90689	2.424073	2.493138	22.54510	5.209269	4.940687

Sample Name: CCV09 Acquired: 8/15/2024 19:35:46 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV09 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.901766	5.058844	4.554849	5.082273	4.925014	F .1824026
Stddev	.015176	.016251	.043317	.013647	.008557	.0385749
%RSD	.3095951	.3212381	.9510011	.2685267	.1737386	21.14822
#1	4.909212	5.065588	4.550057	5.091062	4.934106	.2124037
#2	4.911780	5.040307	4.514128	5.089205	4.923816	.1959147
#3	4.884306	5.070637	4.600363	5.066551	4.917119	.1388893

Elem	Sr4077
Units	ppm
Avg	5.011588
Stddev	.025907
%RSD	.5169509
#1	5.000485
#2	5.041196
#3	4.993082

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3198.318	110613.1	10020.65	4562.502	5491.951
Stddev	7.729	242.9	41.42	9.211	15.136
%RSD	.2416600	.2195657	.4133661	.2018921	.2755986
#1	3191.066	110382.4	9973.64	4552.776	5482.424
#2	3197.440	110866.5	10036.50	4571.094	5484.026
#3	3206.449	110590.3	10051.81	4563.637	5509.404

Reviewed By:Mohan
On:8/22/2024 9:20:54 AM
Inst Id :P4
LB :LB132039

Sample Name: CCB09 Acquired: 8/15/2024 19:40:16 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB09 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001781	-.002248	.0001053	.0006823	.0013376	.0040540
Stddev	.000824	.001154	.0002271	.0011927	.0005613	.0071471
%RSD	46.24088	51.33889	215.7856	174.8007	41.96390	176.2975
#1	-.002459	-.003196	.0001230	.0016547	.0019379	.0039320
#2	-.002020	-.000963	-.000130	-.000649	.0012491	.0112614
#3	-.000865	-.002586	.000323	.001041	.0008258	-.003031

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0021405	.0000291	.0000133	-.003566	.0000911	.0000302
Stddev	.0005838	.0000264	.0000110	.003052	.0001511	.0000627
%RSD	27.27343	90.55292	82.99050	85.60102	165.7476	207.5710
#1	.0021901	.0000436	.0000192	-.004522	.0002146	.0000950
#2	.0015335	.0000451	.0000202	-.000150	-.000077	.0000258
#3	.0026979	-.000001	.0000006	-.006025	.000136	-.000030

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000207	-.003940	-.000380	-.018436	.0001200	.0001982
Stddev	.0002474	.002212	.000088	.009493	.0001338	.0003733
%RSD	1196.783	56.14822	23.20356	51.48952	111.4825	188.3364
#1	.0000075	-.004016	-.000467	-.016954	.0002738	.0005821
#2	.0002744	-.001691	-.000290	-.009772	.0000564	-.000164
#3	-.000220	-.006113	-.000382	-.028582	.0000299	.000176

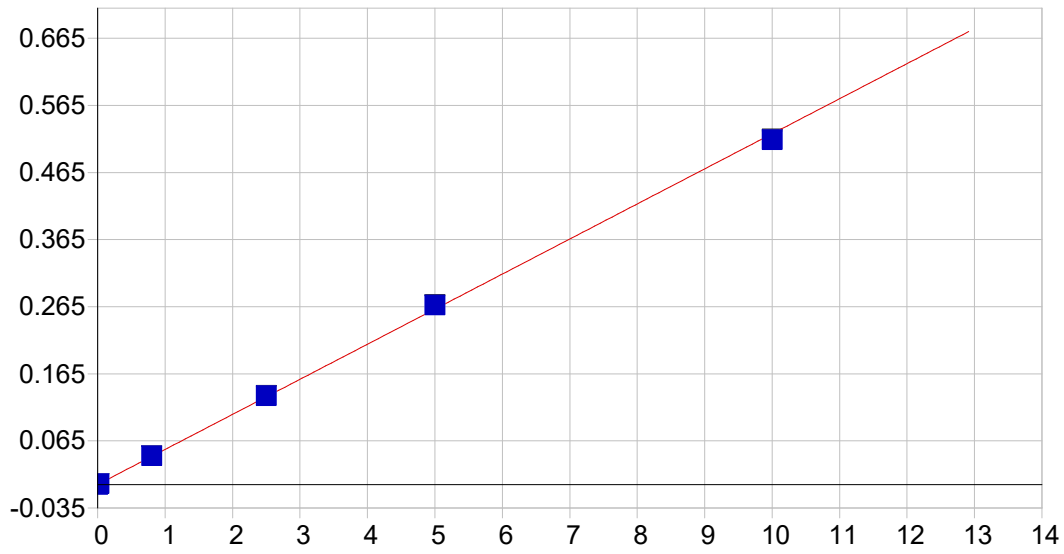
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.029194	-.002599	-.000623	-.027462	.0093869	.0004820
Stddev	.001194	.000434	.000098	.018341	.0007906	.0002314
%RSD	4.088469	16.71538	15.71877	66.78673	8.422418	48.00529
#1	-.030538	-.002817	-.000733	-.033614	.0090532	.0007253
#2	-.028258	-.002882	-.000594	-.041937	.0088179	.0004559
#3	-.028786	-.002099	-.000543	-.006836	.0102896	.0002648

Sample Name: CCB09 Acquired: 8/15/2024 19:40:16 Type: Unk
Method: NON EPA-6010-200.7(v2350) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB09 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001057	.0013835	-.001123	-.002546	-.004233	F .0866429
Stddev	.000874	.0013433	.013215	.001278	.001207	.0213326
%RSD	82.62586	97.09264	1176.819	50.20961	28.51086	24.62126
#1	-.001818	.0027652	-.015951	-.001488	-.003181	.0691746
#2	-.000103	.0013031	.003171	-.003966	-.003969	.1104178
#3	-.001251	.0000822	.009411	-.002184	-.005551	.0803363

Elem	Sr4077
Units	ppm
Avg	-.000069
Stddev	.000058
%RSD	84.67172
#1	-.000126
#2	-.000010
#3	-.000070

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3244.734	106754.6	10288.12	4490.055	5813.081
Stddev	37.259	290.4	57.90	11.765	71.085
%RSD	1.148279	.2719950	.5627414	.2620247	1.222846
#1	3287.119	106990.2	10337.42	4496.351	5894.067
#2	3229.933	106430.2	10302.56	4476.481	5784.169
#3	3217.151	106843.4	10224.37	4497.331	5761.008

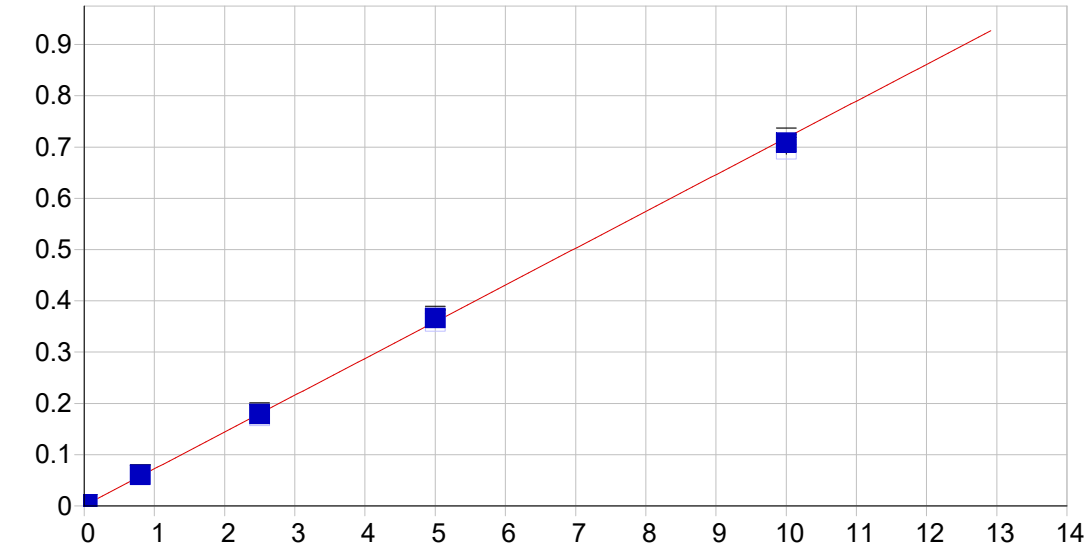


As 189.042 {479}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000056	Re-Slope:	1.000000
A1 (Gain):	0.052273	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999817	Status:	OK.
Std Error of Est:	0.000023		
Predicted MDL:	0.002888		
Predicted MQL:	0.009628		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00006	.000	1
S1	.02000	.02239	.002	12.0	.00111	.000	1
S3	2.5000	2.5305	.030	1.22	.13208	.000	1
S4	5.0000	5.1185	.118	2.37	.26722	.001	1
S5	10.000	9.8312	-.169	-1.69	.51329	.001	1
S2	.80000	.81747	.017	2.18	.04263	.000	1

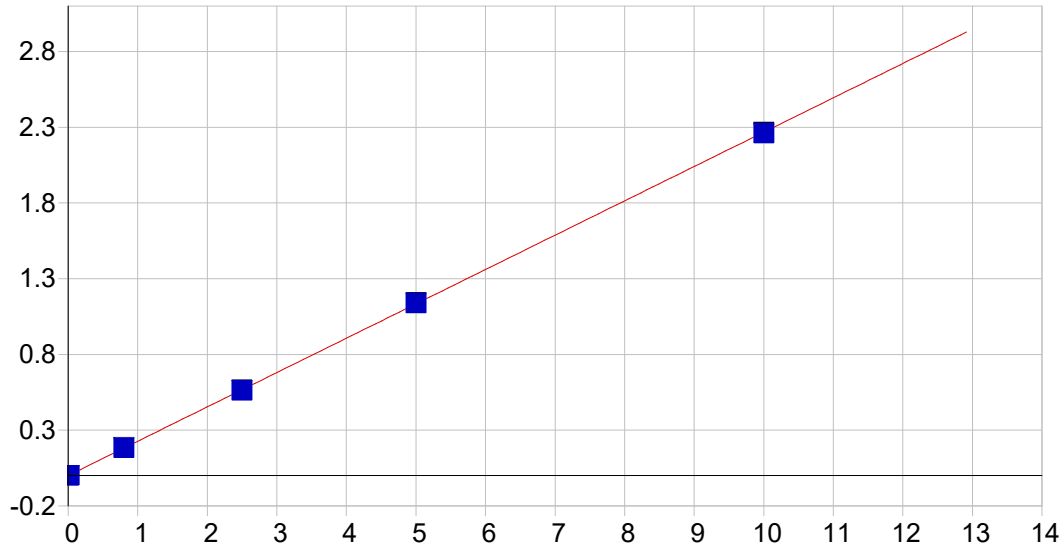


Tl 190.856 {477}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000649	Re-Slope:	1.000000
A1 (Gain):	0.071708	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999841	Status:	OK.
Std Error of Est:	0.000042		
Predicted MDL:	0.001905		
Predicted MQL:	0.006351		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00065	.000	1
S1	.04000	.04290	.003	7.25	.00354	.000	1
S3	2.5000	2.4861	-.014	-.555	.17562	.003	1
S4	5.0000	5.0982	.098	1.96	.35962	.004	1
S5	10.000	9.8746	-.125	-1.25	.69552	.009	1
S2	.80000	.83835	.038	4.79	.05971	.000	1

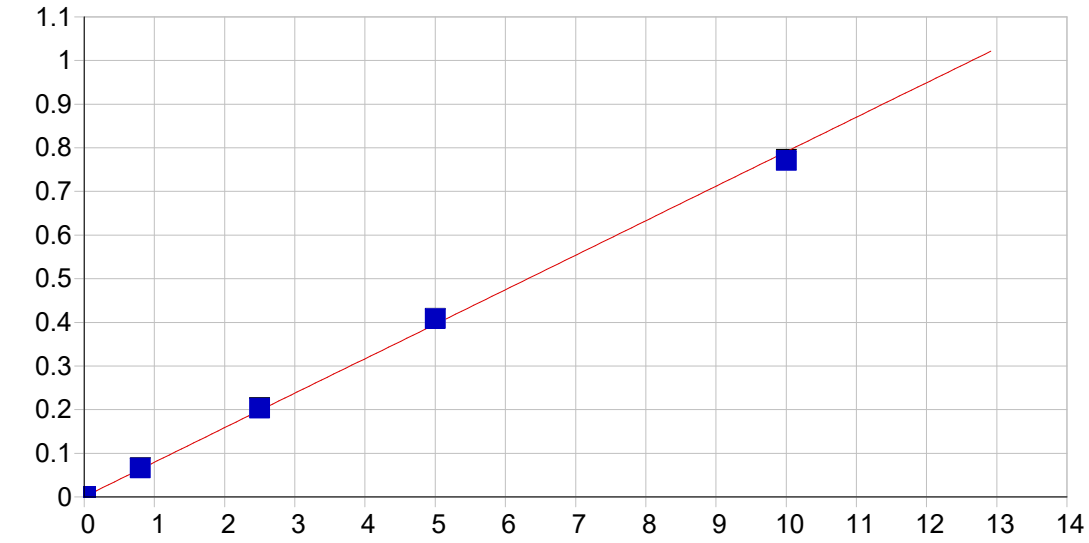


Pb 220.353 {453}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000255	Re-Slope:	1.000000
A1 (Gain):	0.226723	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999968	Status:	OK.
Std Error of Est:	0.000033		
Predicted MDL:	0.001509		
Predicted MQL:	0.005029		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00025	.000	1
S1	.01200	.01459	.003	21.6	.00351	.000	1
S3	2.5000	2.4825	-.017	-.698	.56248	.001	1
S4	5.0000	5.0245	.024	.490	1.1382	.002	1
S5	10.000	9.9746	-.025	-.254	2.2592	.006	1
S2	.80000	.81583	.016	1.98	.18502	.000	1

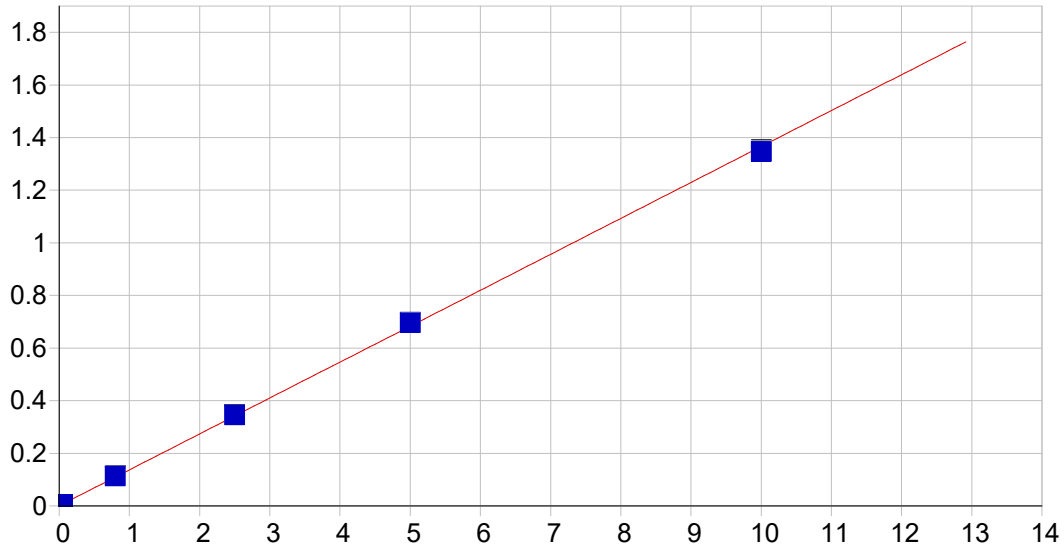


Se 196.090 {472}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000473	Re-Slope:	1.000000
A1 (Gain):	0.079051	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999612	Status:	OK.
Std Error of Est:	0.000052		
Predicted MDL:	0.002836		
Predicted MQL:	0.009455		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00047	.000	1
S1	.02000	.01863	-.001	-6.85	.00195	.000	1
S3	2.5000	2.5647	.065	2.59	.20317	.001	1
S4	5.0000	5.1581	.158	3.16	.40812	.001	1
S5	10.000	9.7484	-.252	-2.52	.77089	.002	1
S2	.80000	.83014	.030	3.77	.06608	.000	1

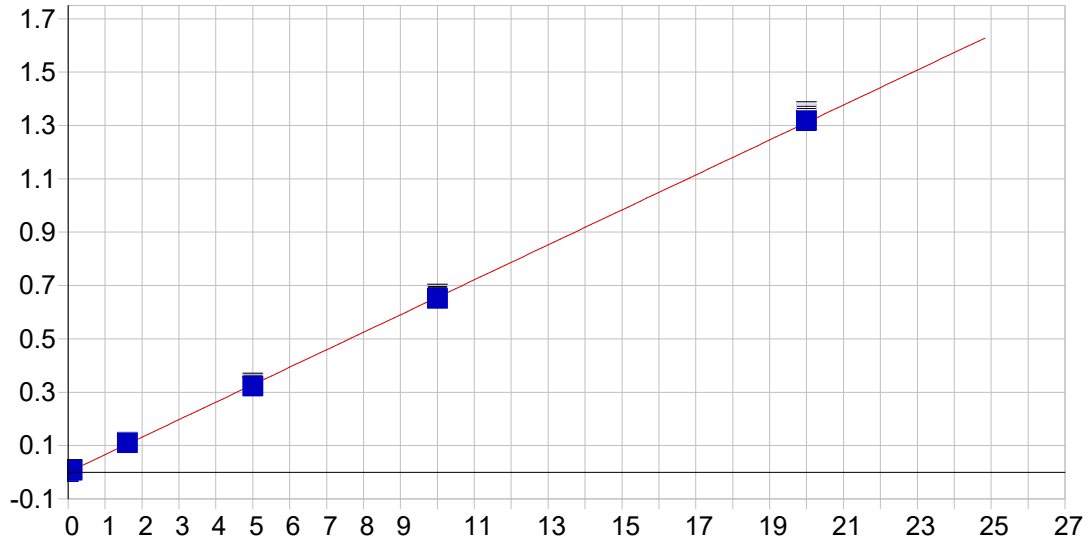


Sb 206.833 {463}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000406	Re-Slope:	1.000000
A1 (Gain):	0.136558	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999871	Status:	OK.
Std Error of Est:	0.000082		
Predicted MDL:	0.002094		
Predicted MQL:	0.006980		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00041	.000	1
S1	.05000	.04954	-.000	-.928	.00719	.000	1
S3	2.5000	2.5232	.023	.929	.34590	.001	1
S4	5.0000	5.0883	.088	1.77	.69711	.001	1
S5	10.000	9.8602	-.140	-1.40	1.3506	.003	1
S2	.80000	.82875	.029	3.59	.11388	.000	1

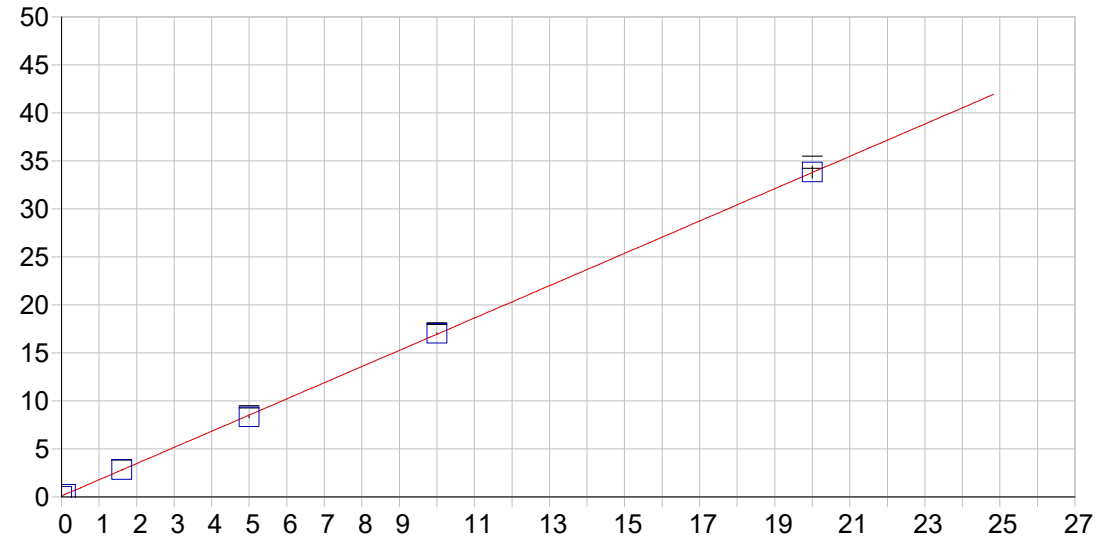


Al 396.152 { 85}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000523	Re-Slope:	1.000000
A1 (Gain):	0.065533	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999929	Status:	OK.
Std Error of Est:	0.000059		
Predicted MDL:	0.017467		
Predicted MQL:	0.058224		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00052	.001	1
S1	.10000	.10254	.003	2.54	.00775	.002	1
S3	5.0000	4.9094	-.091	-1.81	.32861	.005	1
S4	10.000	9.9208	-.079	-.792	.66337	.004	1
S5	20.000	20.104	.104	.519	1.3434	.009	1
S2	1.6000	1.6634	.063	3.96	.11157	.000	1

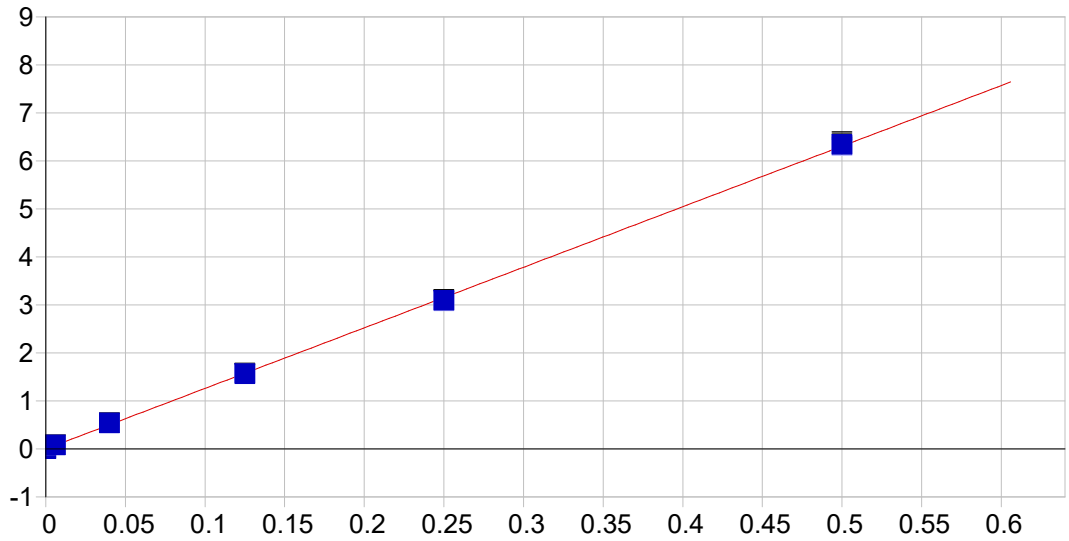


Ba 493.409 { 68}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.103198	Re-Slope:	1.000000
A1 (Gain):	1.684421	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999955	Status:	OK.
Std Error of Est:	0.001185		
Predicted MDL:	0.001567		
Predicted MQL:	0.005225		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.10319	.004	1
S1	.10000	.10592	.006	5.92	.28162	.003	1
S3	5.0000	4.8942	-.106	-2.12	8.3471	.117	1
S4	10.000	10.043	.043	.432	17.020	.093	1
S5	20.000	20.029	.029	.144	33.840	.640	1
S2	1.6000	1.6279	.028	1.74	2.8452	.005	1

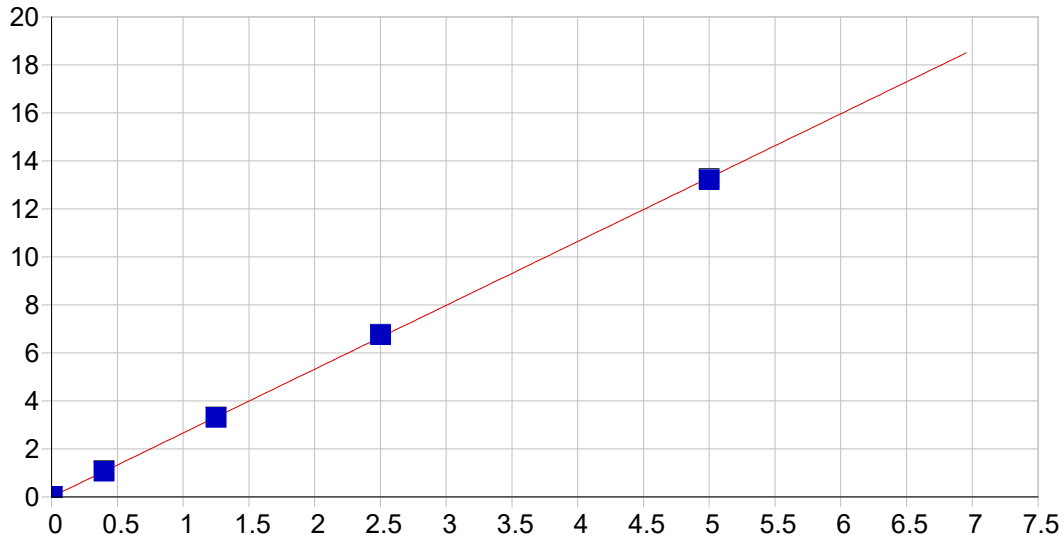


Be 234.861 {144}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001225	Re-Slope:	1.000000
A1 (Gain):	12.618394	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999830	Status:	OK.
Std Error of Est:	0.000666		
Predicted MDL:	0.000054		
Predicted MQL:	0.000180		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00123	.001	1
S1	.00600	.00633	.000	5.52	.07810	.000	1
S3	.12500	.12407	-.001	-.747	1.5572	.013	1
S4	.25000	.24543	-.005	-1.83	3.0816	.015	1
S5	.50000	.50242	.002	.485	6.3103	.063	1
S2	.04000	.04275	.003	6.88	.53595	.004	1

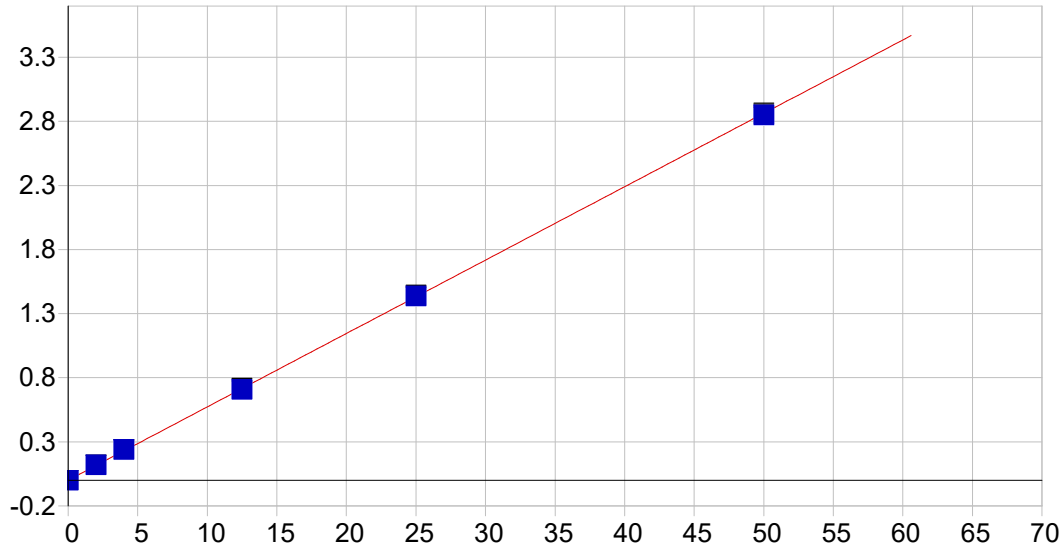


Cd 226.502 {449}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000365	Re-Slope:	1.000000
A1 (Gain):	2.660671	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999950	Status:	OK.
Std Error of Est:	0.000241		
Predicted MDL:	0.000103		
Predicted MQL:	0.000344		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00036	.000	1
S1	.00600	.00627	.000	4.51	.01711	.000	1
S3	1.2500	1.2424	-.008	-.605	3.3083	.014	1
S4	2.5000	2.5387	.039	1.55	6.7596	.012	1
S5	5.0000	4.9657	-.034	-.686	13.222	.030	1
S2	.40000	.40287	.003	.718	1.0730	.002	1

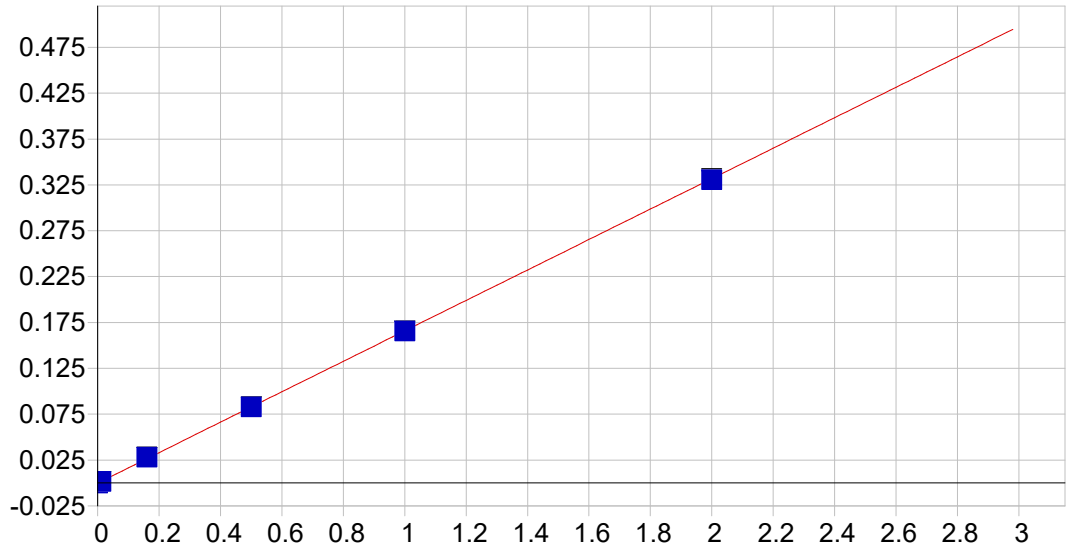


Ca 373.690 { 90}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000405	Re-Slope:	1.000000
A1 (Gain):	0.057252	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999940	Status:	OK.
Std Error of Est:	0.000330		
Predicted MDL:	0.017446		
Predicted MQL:	0.058154		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00013	-.000	.000	.00040	.001	1
S2	4.0000	4.1597	.160	3.99	.23791	.002	1
S3	12.500	12.370	-.130	-1.04	.70659	.011	1
S4	25.000	25.094	.094	.377	1.4330	.007	1
S5	50.000	49.808	-.192	-.384	2.8439	.014	1
S1	2.0000	2.0677	.068	3.38	.11870	.001	1

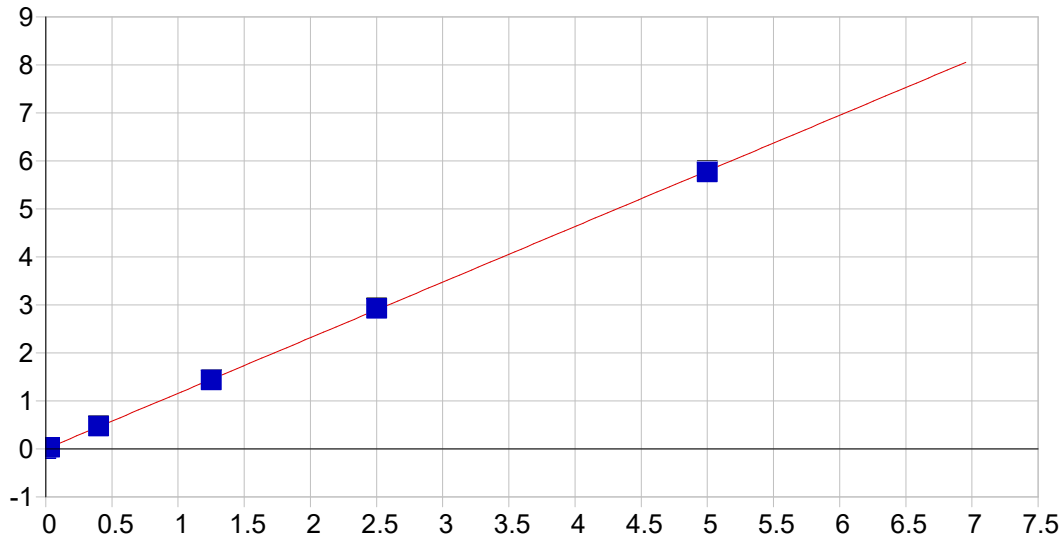


Cr 267.716 {126}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000117	Re-Slope:	1.000000
A1 (Gain):	0.165995	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999912	Status:	OK.
Std Error of Est:	0.000016		
Predicted MDL:	0.000590		
Predicted MQL:	0.001967		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00012	.000	1
S1	.01000	.01030	.000	3.00	.00159	.000	1
S3	.50000	.49999	-.000	-.001	.08290	.000	1
S4	1.0000	.99867	-.001	-.133	.16571	.001	1
S5	2.0000	1.9913	-.009	-.436	.33053	.001	1
S2	.16000	.16976	.010	6.10	.02807	.000	1

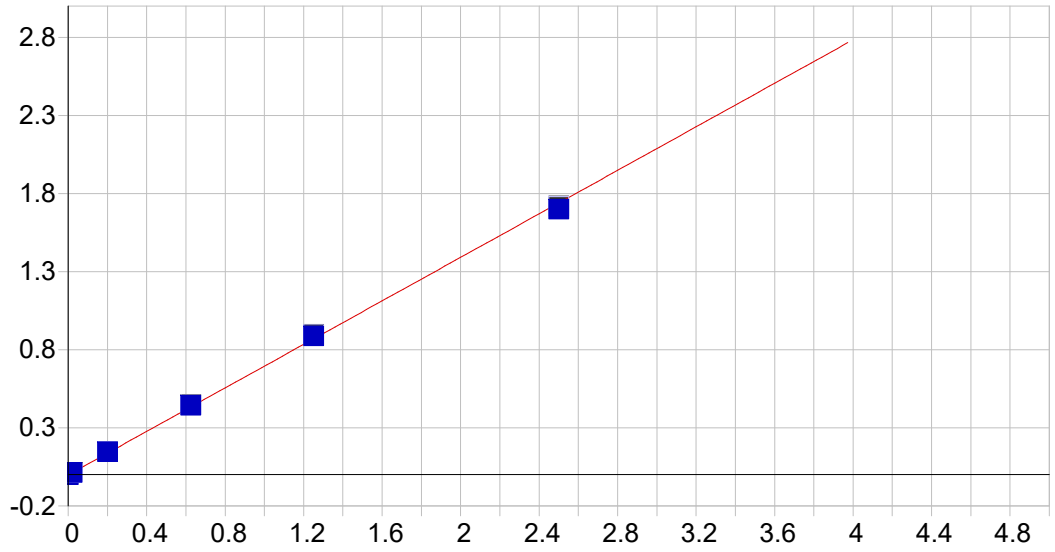


Co 228.616 {448}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000038	Re-Slope:	1.000000
A1 (Gain):	1.158332	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999970	Status:	OK.
Std Error of Est:	0.000182		
Predicted MDL:	0.000232		
Predicted MQL:	0.000773		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00004	.000	1
S1	.03000	.03019	.000	.635	.03479	.000	1
S3	1.2500	1.2382	-.012	-.940	1.4367	.007	1
S4	2.5000	2.5244	.024	.977	2.9290	.006	1
S5	5.0000	4.9802	-.020	-.396	5.7785	.014	1
S2	.40000	.40694	.007	1.74	.47212	.001	1

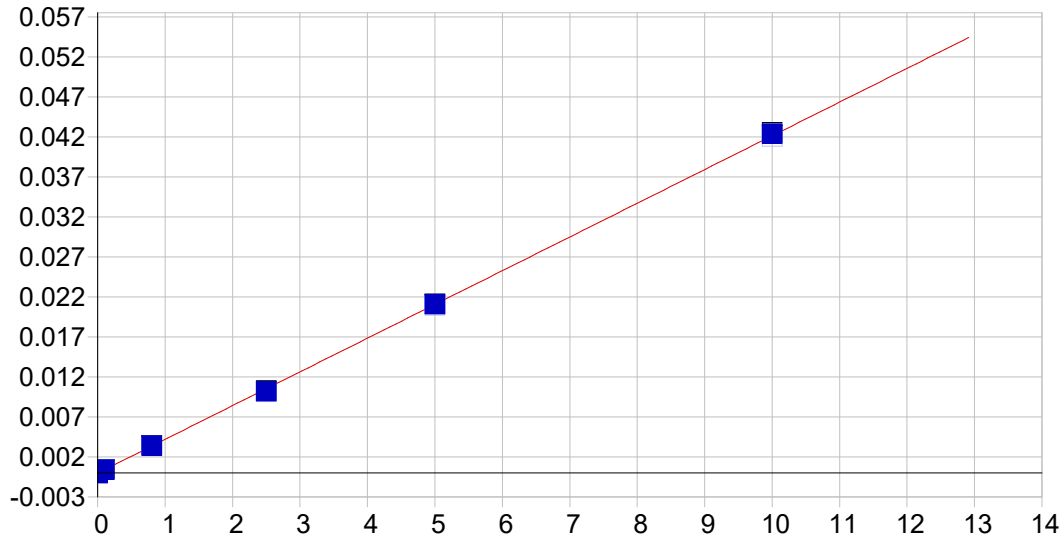


Cu 224.700 {450}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001685	Re-Slope:	1.000000
A1 (Gain):	0.696455	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999649	Status:	OK.
Std Error of Est:	0.000219		
Predicted MDL:	0.000557		
Predicted MQL:	0.001856		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00169	.000	1
S1	.02000	.02228	.002	11.4	.01402	.000	1
S3	.62500	.63986	.015	2.38	.44827	.002	1
S4	1.2500	1.2777	.028	2.22	.89683	.001	1
S5	2.5000	2.4428	-.057	-2.29	1.7169	.003	1
S2	.20000	.21230	.012	6.15	.14755	.000	1

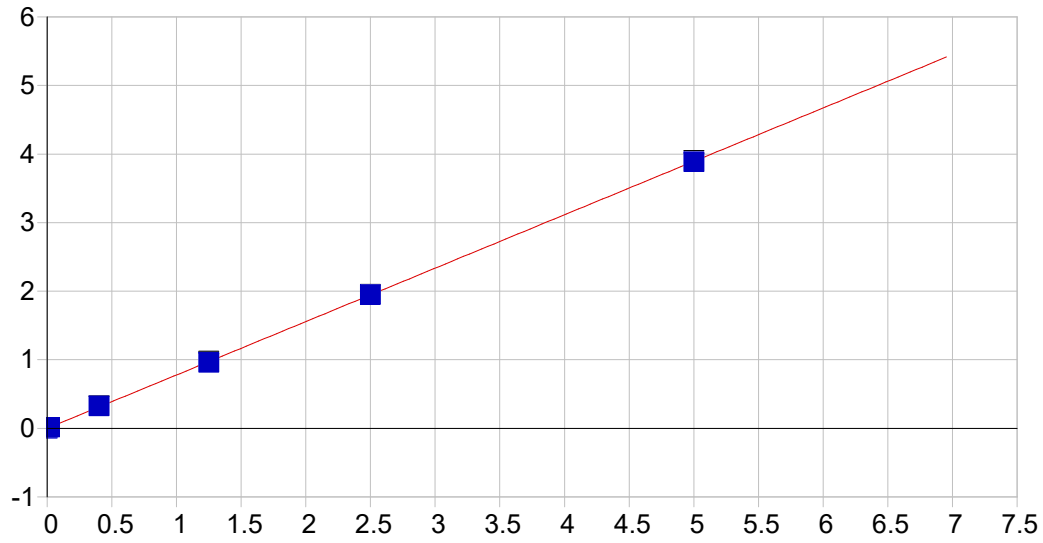


Fe 240.488 {140}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000025	Re-Slope:	1.000000
A1 (Gain):	0.004215	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999932	Status:	OK.
Std Error of Est:	0.000003		
Predicted MDL:	0.009360		
Predicted MQL:	0.031202		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00002	.000	1
S1	.10000	.09832	-.002	-1.68	.00038	.000	1
S3	2.5000	2.4289	-.071	-2.84	.01012	.000	1
S4	5.0000	5.0067	.007	.134	.02090	.000	1
S5	10.000	10.058	.058	.585	.04201	.000	1
S2	.80000	.80760	.008	.951	.00335	.000	1

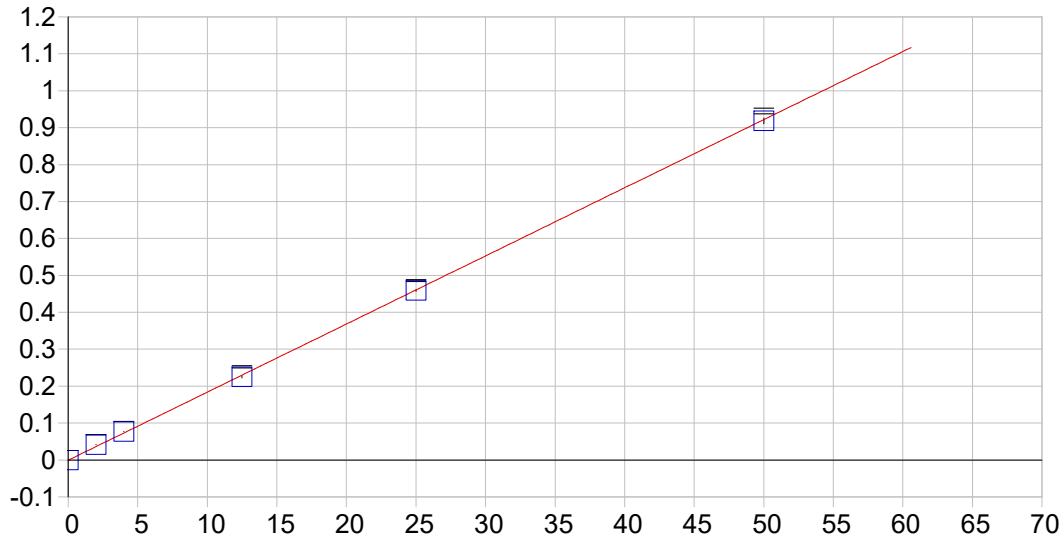


Mn 257.610 {131}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000584	Re-Slope:	1.000000
A1 (Gain):	0.778811	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999930	Status:	OK.
Std Error of Est:	0.000153		
Predicted MDL:	0.000527		
Predicted MQL:	0.001756		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00059	.000	1
S1	.02000	.02198	.002	9.92	.01654	.000	1
S3	1.2500	1.2364	-.014	-1.09	.96242	.015	1
S4	2.5000	2.5022	.002	.088	1.9484	.006	1
S5	5.0000	4.9903	-.010	-.195	3.8863	.019	1
S2	.40000	.41919	.019	4.80	.32592	.001	1

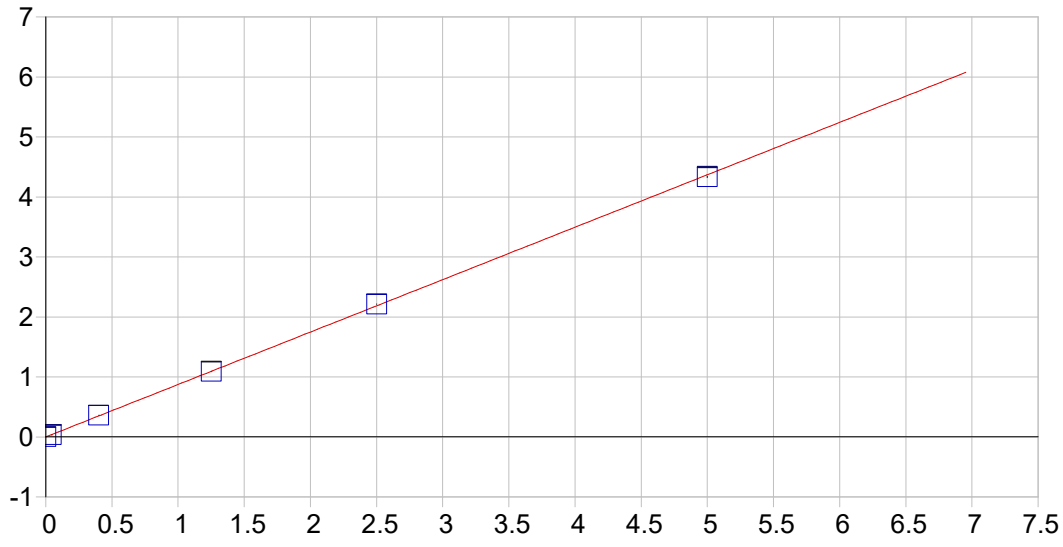


Mg 279.079 {121}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000707	Re-Slope:	1.000000
A1 (Gain):	0.018447	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999686	Status:	OK.
Std Error of Est:	0.000245		
Predicted MDL:	0.024796		
Predicted MQL:	0.082654		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00034	-.000	.000	-.00071	.001	1
S2	4.0000	4.2125	.212	5.31	.07700	.000	1
S3	12.500	12.255	-.245	-1.96	.22538	.003	1
S4	25.000	24.915	-.085	-.338	.45892	.002	1
S5	50.000	49.828	-.172	-.345	.91848	.008	1
S1	2.0000	2.2889	.289	14.4	.04152	.000	1

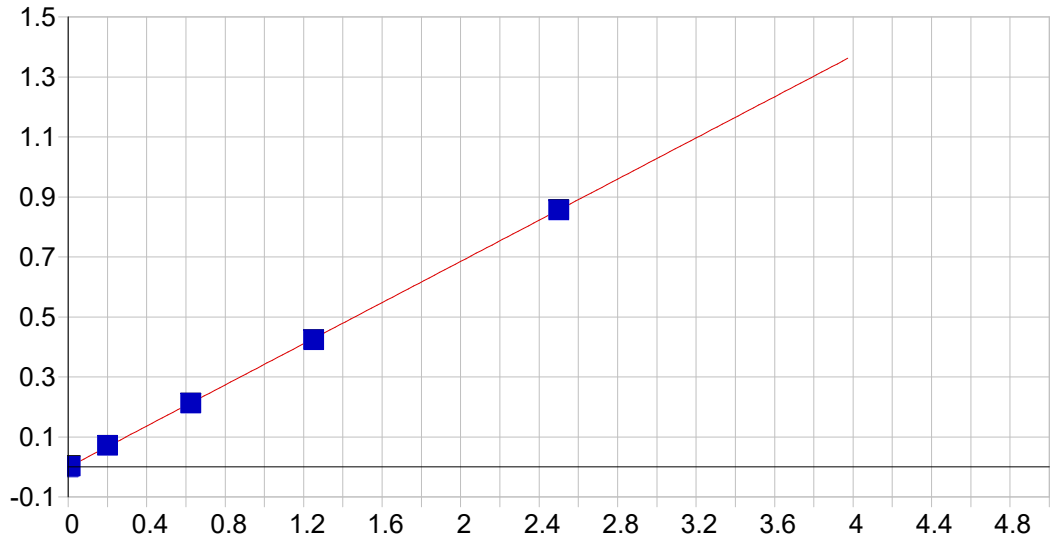


Ni 231.604 {446}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000094	Re-Slope:	1.000000
A1 (Gain):	0.873688	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999942	Status:	OK.
Std Error of Est:	0.000220		
Predicted MDL:	0.000344		
Predicted MQL:	0.001145		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00009	.000	1
S1	.04000	.03983	-.000	-.414	.03490	.000	1
S3	1.2500	1.2462	-.004	-.304	1.0889	.005	1
S4	2.5000	2.5323	.032	1.29	2.2125	.004	1
S5	5.0000	4.9604	-.040	-.791	4.3340	.011	1
S2	.40000	.41123	.011	2.81	.35938	.000	1

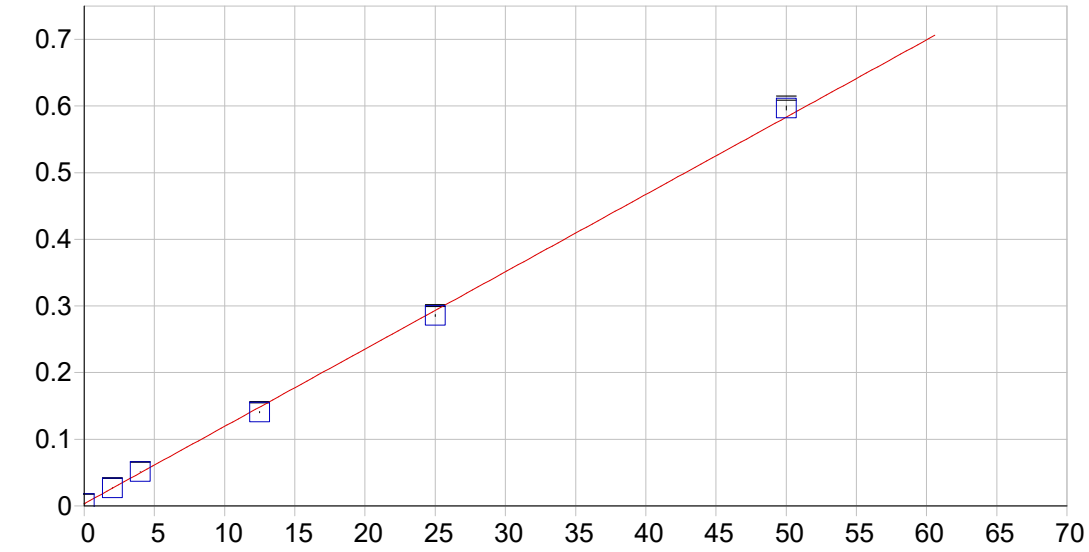


Ag 328.068 {103}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001093	Re-Slope:	1.000000
A1 (Gain):	0.343030	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999891	Status:	OK.
Std Error of Est:	0.000042		
Predicted MDL:	0.000584		
Predicted MQL:	0.001945		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00109	.000	1
S1	.01000	.01154	.002	15.4	.00284	.000	1
S3	.62500	.62130	-.004	-.592	.21121	.000	1
S4	1.2500	1.2392	-.011	-.860	.42235	.001	1
S5	2.5000	2.5016	.002	.065	.85374	.000	1
S2	.20000	.21130	.011	5.65	.07112	.000	1

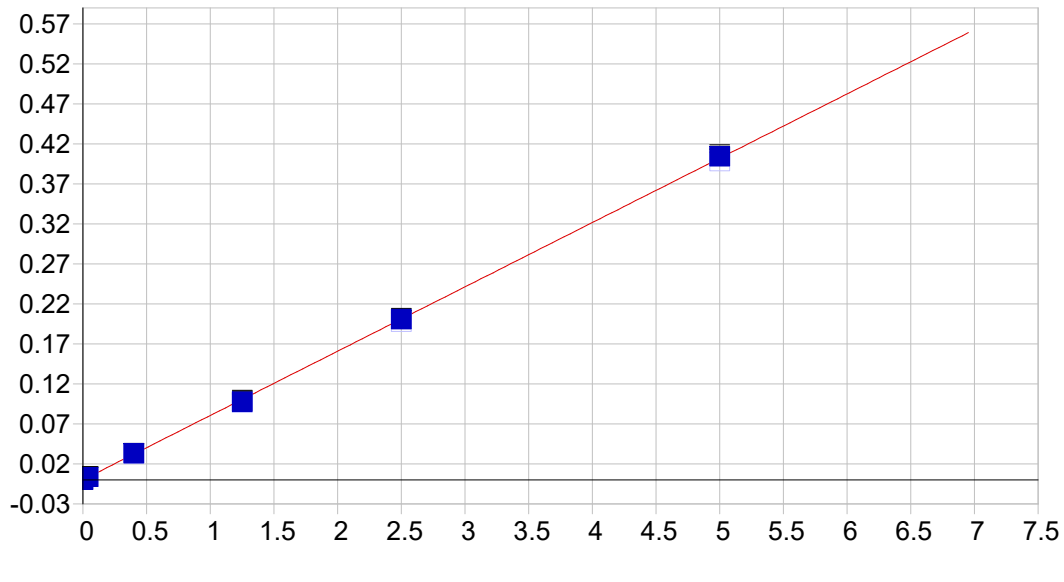


Na 589.592 { 57}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.003350	Re-Slope:	1.000000
A1 (Gain):	0.011598	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999542	Status:	OK.
Std Error of Est:	0.000186		
Predicted MDL:	0.023609		
Predicted MQL:	0.078697		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00003	.000	.000	.00335	.000	1
S2	4.0000	4.1224	.122	3.06	.05116	.000	1
S3	12.500	11.825	-.675	-5.40	.14050	.001	1
S4	25.000	24.345	-.655	-2.62	.28571	.001	1
S5	50.000	51.183	1.18	2.37	.59699	.003	1
S1	2.0000	2.0246	.025	1.23	.02683	.001	1

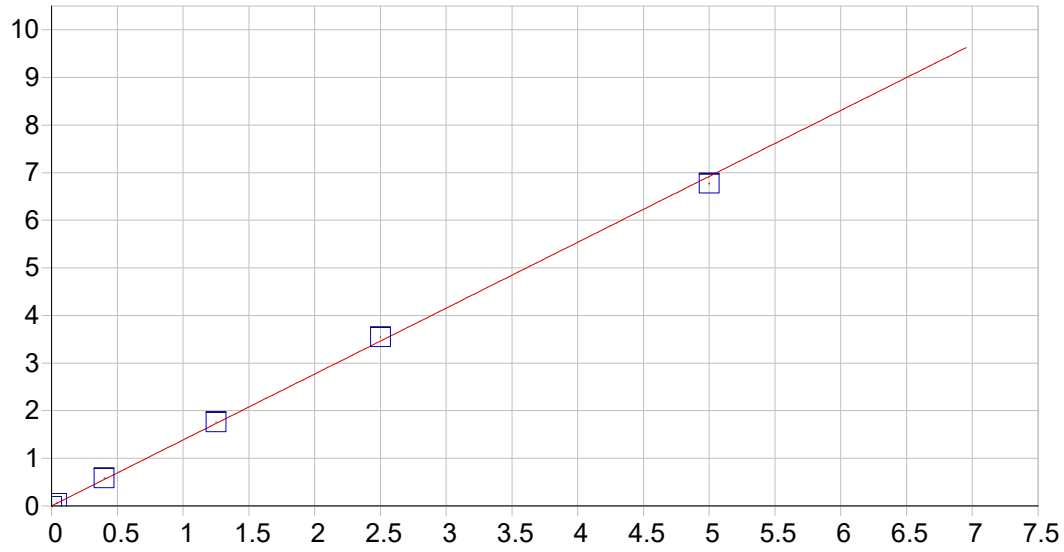


V 292.402 {115}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000127	Re-Slope:	1.000000
A1 (Gain):	0.080395	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999897	Status:	OK.
Std Error of Est:	0.000027		
Predicted MDL:	0.005409		
Predicted MQL:	0.018029		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00013	.000	1
S1	.04000	.04411	.004	10.3	.00355	.000	1
S3	1.2500	1.2140	-.036	-2.88	.09626	.002	1
S4	2.5000	2.4949	-.005	-.205	.19777	.001	1
S5	5.0000	5.0280	.028	.560	.39849	.002	1
S2	.40000	.40910	.009	2.28	.03255	.000	1

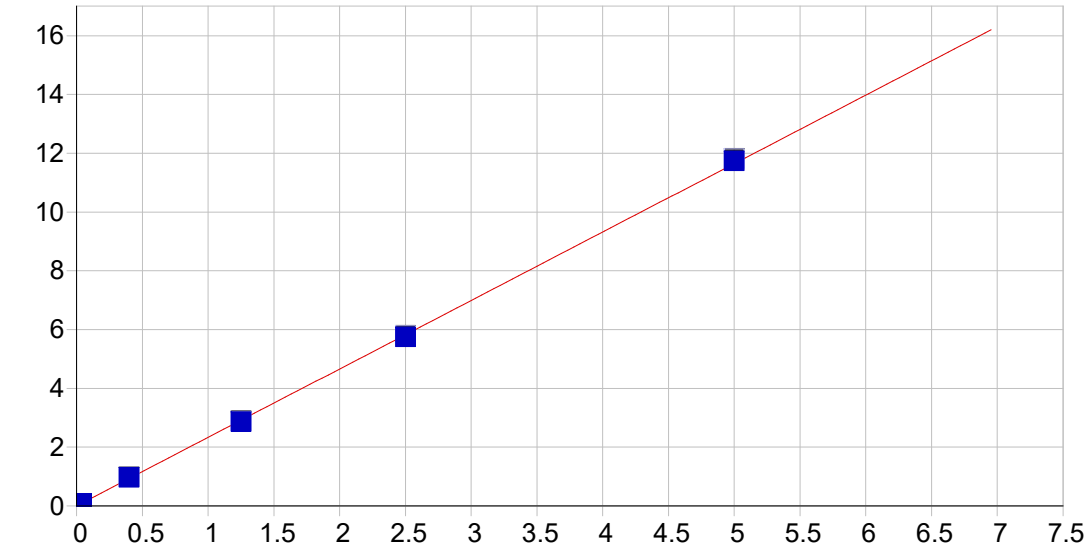


Zn 206.200 {464}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001068	Re-Slope:	1.000000
A1 (Gain):	1.384364	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999707	Status:	OK.
Std Error of Est:	0.000787		
Predicted MDL:	0.000164		
Predicted MQL:	0.000548		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00106	.000	1
S1	.04000	.04189	.002	4.73	.05906	.000	1
S3	1.2500	1.2729	.023	1.83	1.7632	.005	1
S4	2.5000	2.5612	.061	2.45	3.5467	.001	1
S5	5.0000	4.8931	-.107	-2.14	6.7749	.009	1
S2	.40000	.42089	.021	5.22	.58374	.001	1

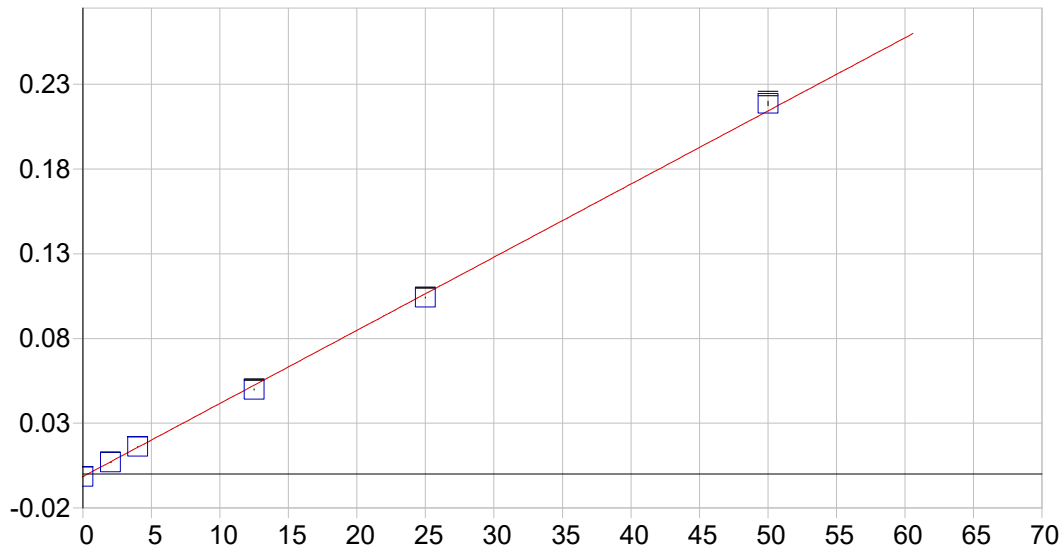


Zn 213.856 {158}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001826	Re-Slope:	1.000000
A1 (Gain):	2.329464	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999911	Status:	OK.
Std Error of Est:	0.000736		
Predicted MDL:	0.000361		
Predicted MQL:	0.001203		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00182	.001	1
S1	.04000	.04106	.001	2.64	.09812	.000	1
S3	1.2500	1.2285	-.021	-1.72	2.8839	.010	1
S4	2.5000	2.4683	-.032	-1.27	5.7921	.010	1
S5	5.0000	5.0367	.037	.735	11.816	.014	1
S2	.40000	.41543	.015	3.86	.97603	.001	1

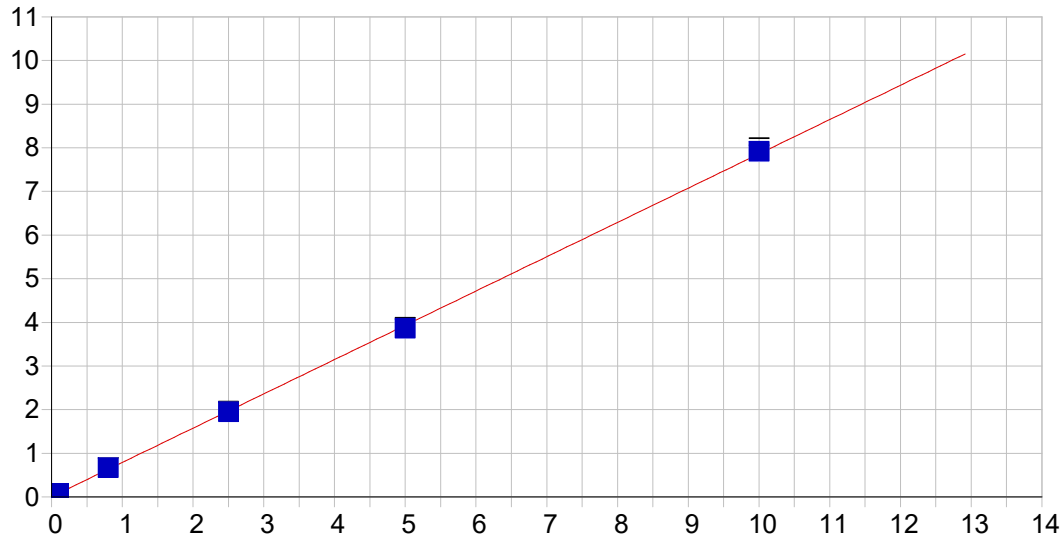


K 766.490 { 44}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001507	Re-Slope:	1.000000
A1 (Gain):	0.004316	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999665	Status:	OK.
Std Error of Est:	0.000059		
Predicted MDL:	0.067652		
Predicted MQL:	0.225507		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00006	.000	.000	-.00151	.000	1
S2	4.0000	4.0999	.100	2.50	.01619	.000	1
S3	12.500	11.901	-.599	-4.79	.04986	.000	1
S4	25.000	24.490	-.510	-2.04	.10419	.000	1
S5	50.000	51.024	1.02	2.05	.21872	.001	1
S1	2.0000	1.9844	-.016	-.782	.00706	.000	1

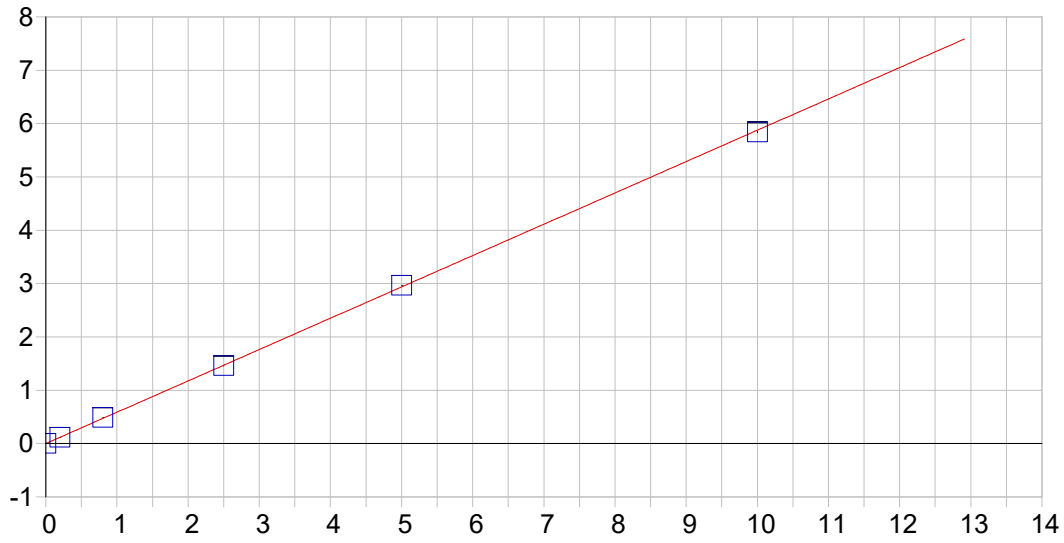


B 249.678 {135}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.004696	Re-Slope:	1.000000
A1 (Gain):	0.785670	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999874	Status:	OK.
Std Error of Est:	0.000654		
Predicted MDL:	0.000993		
Predicted MQL:	0.003308		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00470	.000	1
S1	.10000	.09741	-.003	-2.59	.08089	.001	1
S3	2.5000	2.4728	-.027	-1.09	1.9437	.017	1
S4	5.0000	4.9143	-.086	-1.71	3.8580	.019	1
S5	10.000	10.073	.073	.730	7.9034	.082	1
S2	.80000	.84251	.043	5.31	.66540	.006	1

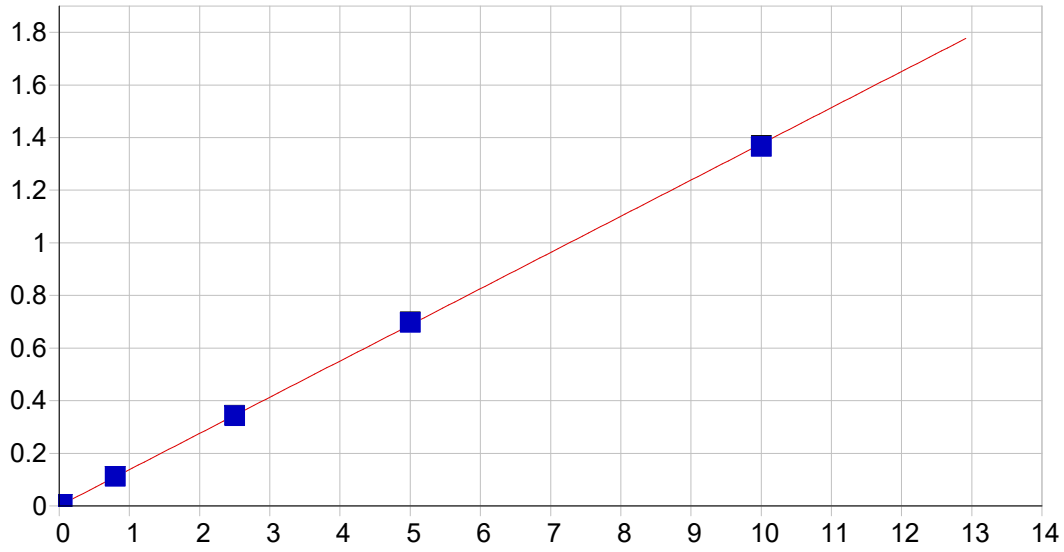


Mo 202.030 {467}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000046	Re-Slope:	1.000000
A1 (Gain):	0.587492	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999951	Status:	OK.
Std Error of Est:	0.000432		
Predicted MDL:	0.000394		
Predicted MQL:	0.001312		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00004	.000	1
S1	.20000	.20071	.001	.355	.11796	.000	1
S3	2.5000	2.4837	-.016	-.650	1.4592	.004	1
S4	5.0000	5.0469	.047	.938	2.9650	.001	1
S5	10.000	9.9416	-.058	-.584	5.8406	.011	1
S2	.80000	.82708	.027	3.38	.48595	.001	1

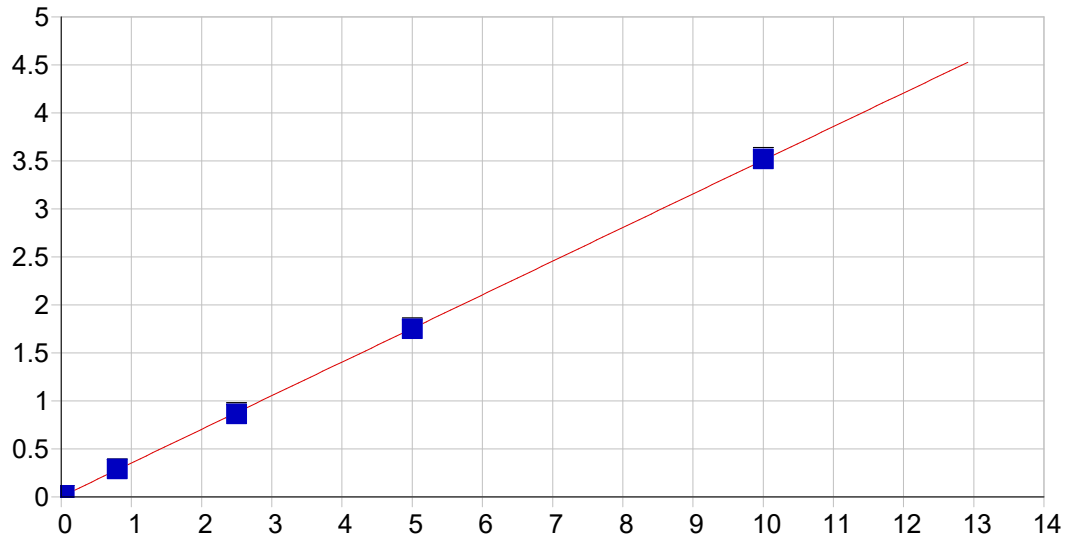


Sn 189.989 {478}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000255	Re-Slope:	1.000000
A1 (Gain):	0.137577	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999952	Status:	OK.
Std Error of Est:	0.000045		
Predicted MDL:	0.000825		
Predicted MQL:	0.002750		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00026	.000	1
S1	.04000	.03926	-.001	-1.86	.00565	.000	1
S3	2.5000	2.4892	-.011	-.430	.34236	.002	1
S4	5.0000	5.0682	.068	1.36	.69682	.001	1
S5	10.000	9.9285	-.071	-.715	1.3648	.004	1
S2	.80000	.81478	.015	1.85	.11224	.000	1

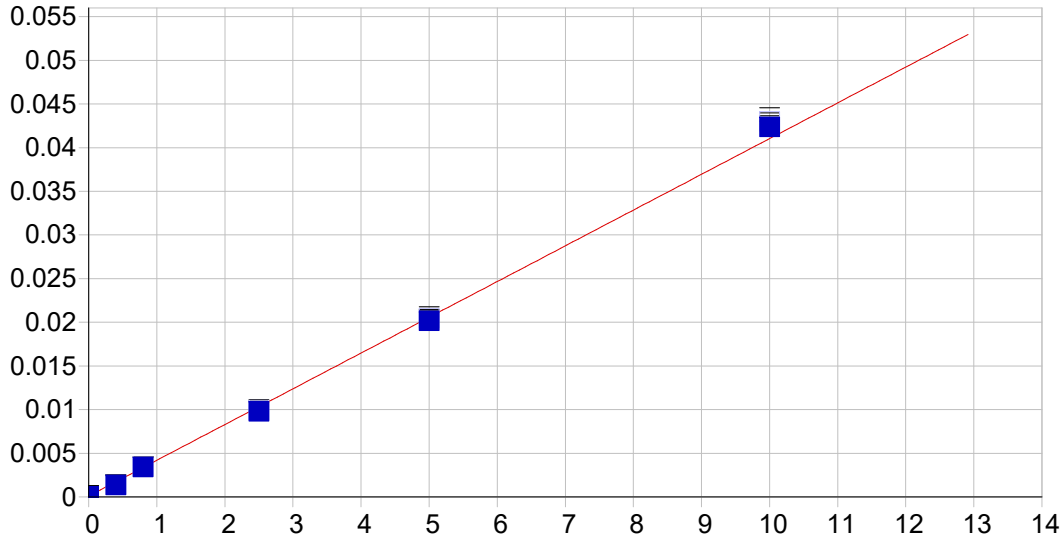


Ti 336.121 {100}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.003054	Re-Slope:	1.000000
A1 (Gain):	0.350347	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999962	Status:	OK.
Std Error of Est:	0.000102		
Predicted MDL:	0.002062		
Predicted MQL:	0.006872		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00305	.000	1
S1	.04000	.04027	.000	.668	.01715	.001	1
S3	2.5000	2.4571	-.043	-1.72	.86357	.013	1
S4	5.0000	4.9866	-.013	-.269	1.7495	.010	1
S5	10.000	10.036	.036	.361	3.5179	.018	1
S2	.80000	.81994	.020	2.49	.29022	.001	1

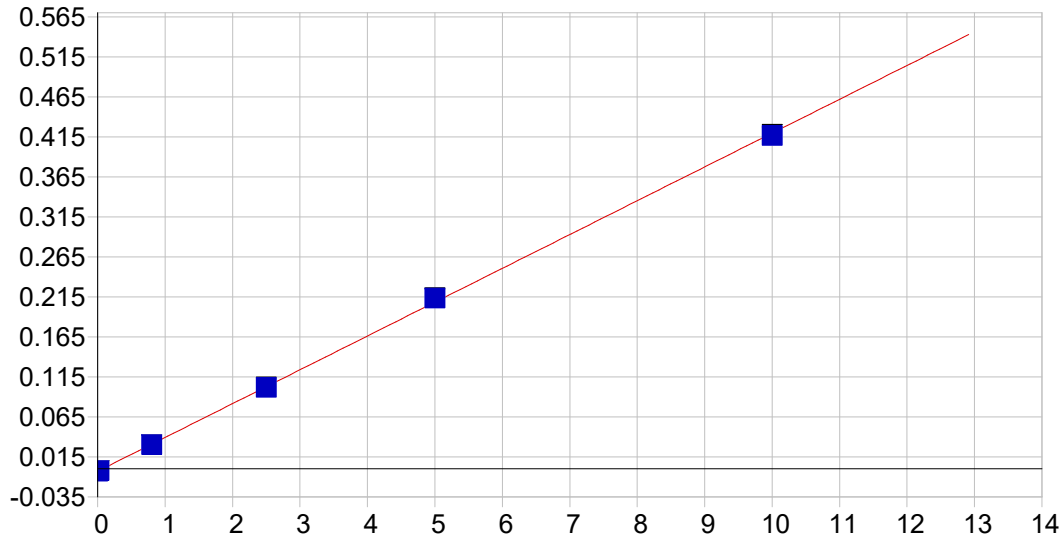


Si 288.158 {117}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000097	Re-Slope:	1.000000
A1 (Gain):	0.004094	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998878	Status:	OK.
Std Error of Est:	0.000021		
Predicted MDL:	0.015661		
Predicted MQL:	0.052202		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00011	.000	.000	.00010	.000	1
S1	.40000	.30367	-.096	-24.1	.00134	.000	1
S3	2.5000	2.3647	-.135	-5.41	.00993	.000	1
S4	5.0000	4.8981	-.102	-2.04	.02046	.000	1
S5	10.000	10.325	.325	3.25	.04298	.000	1
S2	.80000	.80729	.007	.911	.00345	.000	1

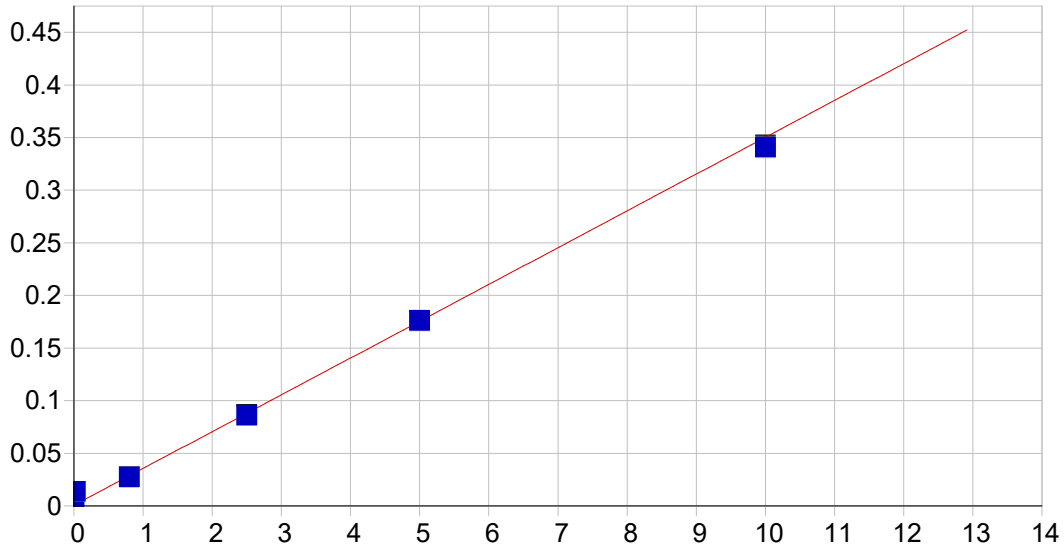


P 177.495 {490}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.002956	Re-Slope:	1.000000
A1 (Gain):	0.042267	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999891	Status:	OK.
Std Error of Est:	0.000015		
Predicted MDL:	0.002402		
Predicted MQL:	0.008007		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00296	.000	1
S1	.02000	.02192	.002	9.62	-.00203	.000	1
S3	2.5000	2.4743	-.026	-1.03	.10161	.000	1
S4	5.0000	5.1152	.115	2.30	.21321	.001	1
S5	10.000	9.9240	-.076	-.760	.41644	.002	1
S2	.80000	.78460	-.015	-1.92	.03020	.000	1

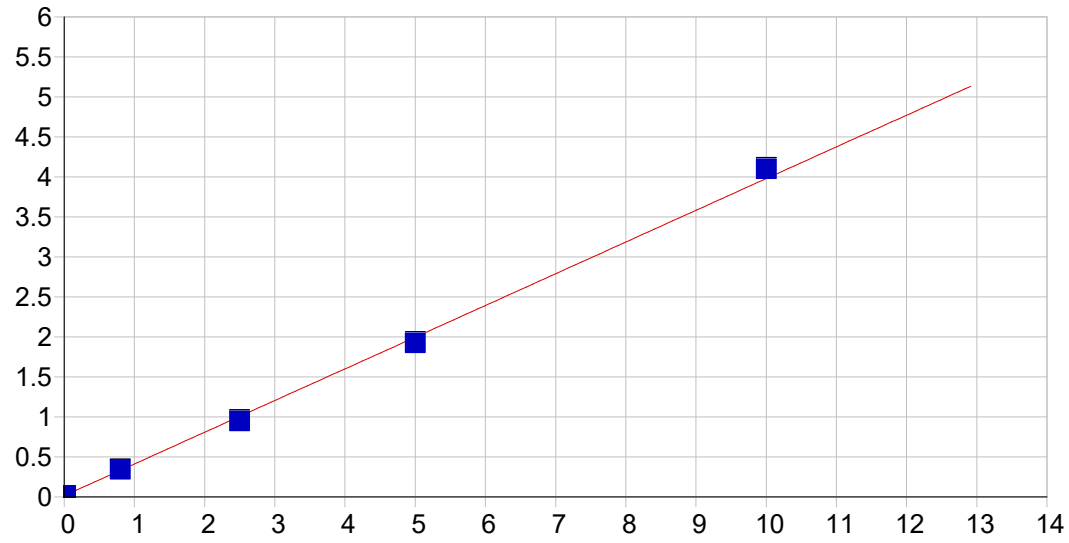


S 182.034 {485}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000647	Re-Slope:	1.000000
A1 (Gain):	0.034966	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.863064	Status:	OK.
Std Error of Est:	0.000478		
Predicted MDL:	0.003147		
Predicted MQL:	0.010490		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00035	-.000	.000	.00063	.000	1
S1	.02000	.37286	.353	1760.	.01365	.000	1
S3	2.5000	2.4458	-.054	-2.17	.08594	.001	1
S4	5.0000	5.0154	.015	.308	.17556	.000	1
S5	10.000	9.7335	-.266	-2.66	.34008	.002	1
S2	.80000	.76661	-.033	-4.17	.02738	.000	1

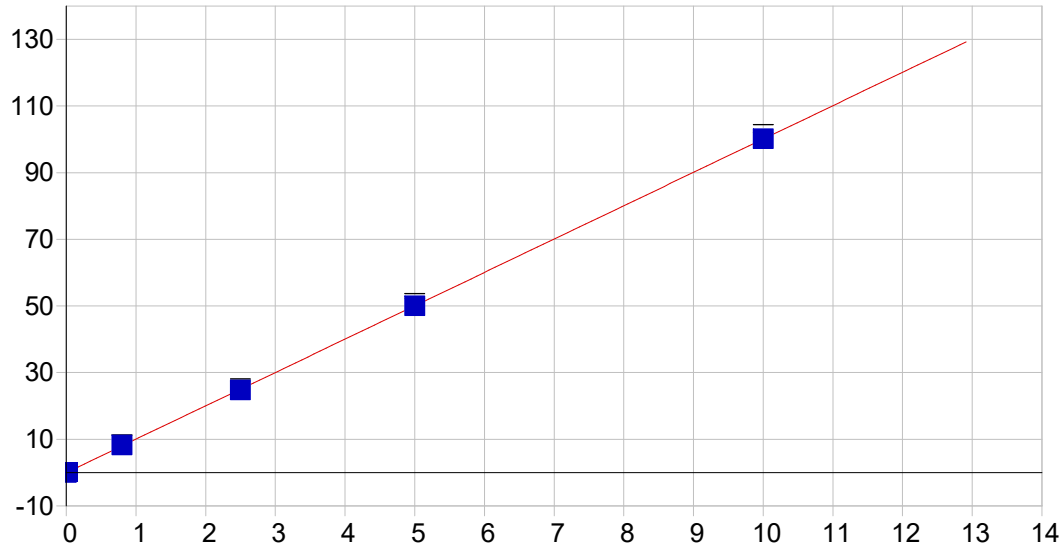


Li 670.784 { 50}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.015118	Re-Slope:	1.000000
A1 (Gain):	0.396338	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998980	Status:	OK.
Std Error of Est:	0.000420		
Predicted MDL:	0.005454		
Predicted MQL:	0.018180		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.01512	.003	1
S5	10.000	10.309	.309	3.09	4.1045	.017	1
S4	5.0000	4.8203	-.180	-3.59	1.9274	.014	1
S3	2.5000	2.3526	-.147	-5.90	.94844	.016	1
S1	.02000	.00491	-.015	-75.5	.01721	.003	1
S2	.80000	.83361	.034	4.20	.34580	.001	1

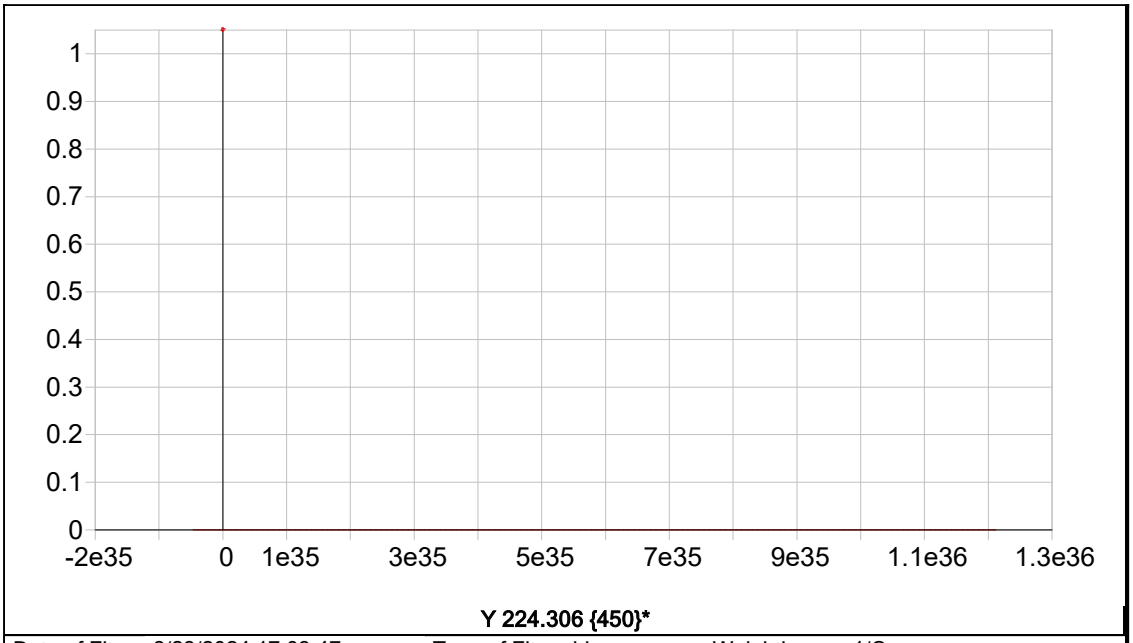


Sr 407.771 { 83}

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000242	Re-Slope:	1.000000
A1 (Gain):	10.009918	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999964	Status:	OK.
Std Error of Est:	0.001999		
Predicted MDL:	0.000131		
Predicted MQL:	0.000436		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00023	.001	1
S1	.02000	.02116	.001	5.81	.21306	.001	1
S3	2.5000	2.4696	-.030	-1.22	24.746	.359	1
S4	5.0000	4.9961	-.004	-.077	50.061	.723	1
S5	10.000	10.006	.006	.065	100.26	1.20	1
S2	.80000	.82663	.027	3.33	8.2827	.026	1

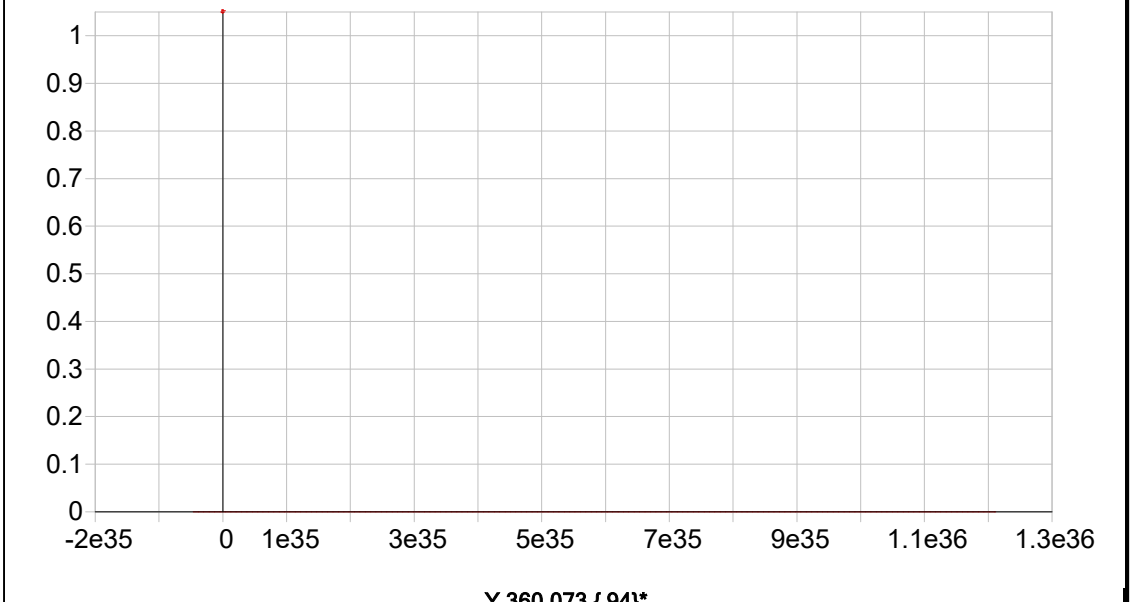


Y 224.306 {450}*

Date of Fit:	8/23/2024 17:03:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	0.000000		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



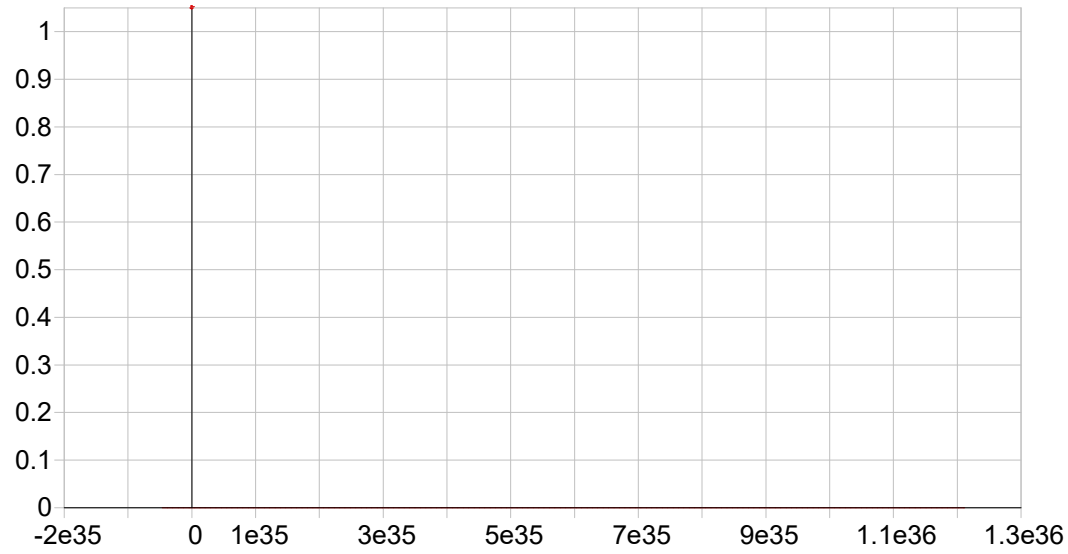
Y 360.073 { 94}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000

A2 (Curvature):	0.000000					
n (Exponent):	1.000000					
Correlation:	0.000000		Status:	Warning	Zero Gain	
Std Error of Est:	0.000000					
Predicted MDL:	n/a					
Predicted MQL:	n/a					

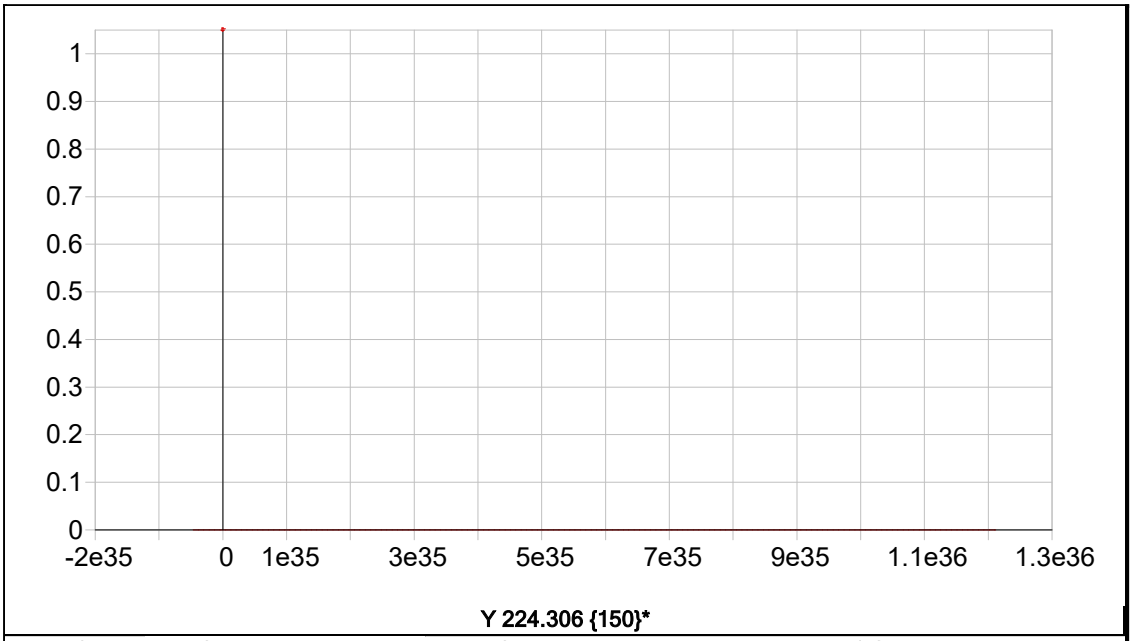
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Y 371.030 { 91}*

Date of Fit:	<not fit>		Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):		0.000000		Re-Slope:	1.000000	
A1 (Gain):		0.000000		Y-int:	0.000000	
A2 (Curvature):		0.000000				
n (Exponent):		1.000000				
Correlation:		0.000000		Status:	Warning	Zero Gain
Std Error of Est:		0.000000				
Predicted MDL:		n/a				
Predicted MQL:		n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

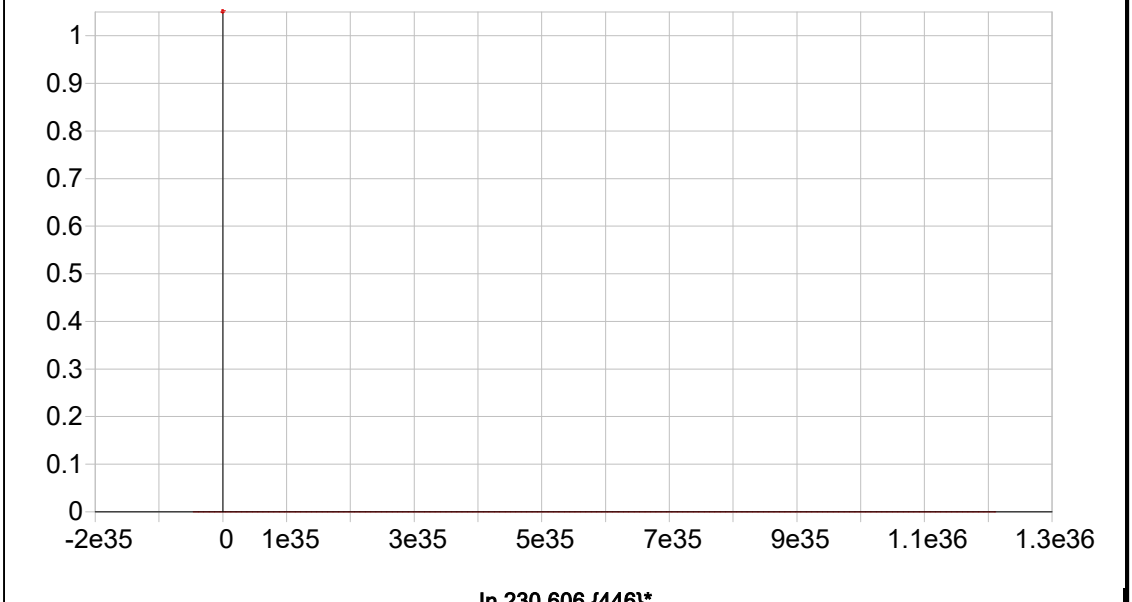


Y 224.306 {150}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	0.000000		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



In 230.606 {446}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000

A2 (Curvature):		0.000000					
n (Exponent):		1.000000					
Correlation:		0.000000		Status:	Warning	Zero Gain	
Std Error of Est:		0.000000					
Predicted MDL:		n/a					
Predicted MQL:		n/a					
Std. Name	**Stated Conc.**	**Found Conc.**	**Difference**	**% Diff.**	**(S)IR**	**Std Dev**	**Emphasis**

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: S0 Acquired: 8/23/2024 9:27:21 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00006	.00065	.00025	.00047	.00041	.00052	.10319	-.00123
Stddev	.00017	.00011	.00039	.00029	.00024	.00088	.00418	.00086
%RSD	307.96	17.224	152.26	60.910	59.233	168.30	4.0468	70.104
#1	-.00018	.00076	.00057	.00015	.00015	-.00017	.10704	-.00139
#2	.00014	.00054	-.00018	.00056	.00043	.00151	.09875	-.00201
#3	-.00012	.00065	.00037	.00071	.00063	.00023	.10378	-.00030

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00036	.00040	-.00012	-.00004	-.00169	-.00002	-.00059	-.00071
Stddev	.00016	.00072	.00005	.00012	.00046	.00005	.00045	.00053
%RSD	43.762	181.13	41.211	307.59	27.446	184.67	76.383	74.733
#1	.00054	.00098	-.00008	-.00009	-.00146	-.00006	-.00067	-.00018
#2	.00031	.00062	-.00017	.00010	-.00138	-.00004	-.00010	-.00124
#3	.00024	-.00041	-.00010	-.00012	-.00222	.00003	-.00099	-.00072

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00009	-.00109	.00335	.00013	.00182	-.00151	.00470	.00004
Stddev	.00036	.00020	.00024	.00035	.00069	.00014	.00009	.00009
%RSD	386.31	17.856	7.0574	275.66	37.838	9.0604	1.9807	216.69
#1	.00038	-.00100	.00314	-.00002	.00195	-.00165	.00474	-.00005
#2	.00021	-.00096	.00331	.00053	.00244	-.00149	.00459	.00013
#3	-.00031	-.00132	.00361	-.00012	.00108	-.00138	.00475	.00005

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00026	.00305	.00010	-.00296	.00063	.01512	.00023
Stddev	.00010	.00023	.00006	.00008	.00004	.00268	.00091
%RSD	37.726	7.3707	63.786	2.6784	6.6527	17.722	401.31
#1	.00014	.00304	.00012	-.00305	.00059	.01529	.00109
#2	.00032	.00329	.00003	-.00290	.00066	.01237	.00030
#3	.00030	.00284	.00015	-.00292	.00066	.01772	-.00072

Sample Name: S0 Acquired: 8/23/2024 9:27:21 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3954.0	59379.	6557.6	3291.0	5671.7
Stddev	11.0	238.	63.8	17.2	8.9
%RSD	.27772	.40164	.97369	.52182	.15723
#1	3943.6	59131.	6594.7	3271.7	5661.5
#2	3965.5	59607.	6594.2	3304.6	5677.8
#3	3953.0	59401.	6483.8	3296.7	5675.9

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: S1 Acquired: 8/23/2024 9:31:42 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00111	.00354	.00351	.00195	.00719	.00775	.28162	.07810
Stddev	.00006	.00008	.00008	.00014	.00021	.00170	.00321	.00036
%RSD	5.0027	2.1519	2.4066	7.1486	2.8843	21.957	1.1382	.45958
#1	.00107	.00363	.00352	.00193	.00695	.00600	.27888	.07824
#2	.00117	.00348	.00359	.00181	.00725	.00940	.28514	.07837
#3	.00109	.00352	.00342	.00209	.00735	.00785	.28083	.07769

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.01711	.11870	.00159	.03479	.01402	.00038	.01654	.04152
Stddev	.00015	.00077	.00004	.00018	.00009	.00004	.00042	.00042
%RSD	.87554	.64772	2.4275	.50335	.62634	11.174	2.5189	1.0097
#1	.01727	.11947	.00159	.03476	.01395	.00035	.01644	.04110
#2	.01699	.11870	.00164	.03497	.01412	.00037	.01700	.04194
#3	.01705	.11793	.00156	.03463	.01400	.00043	.01618	.04151

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.03490	.00284	.02683	.00355	.09812	.00706	.08089	.11796
Stddev	.00016	.00031	.00053	.00035	.00031	.00003	.00051	.00025
%RSD	.45535	10.764	1.9712	9.9587	.31210	.48314	.63559	.21483
#1	.03507	.00251	.02622	.00315	.09830	.00702	.08047	.11771
#2	.03475	.00290	.02709	.00381	.09777	.00706	.08146	.11821
#3	.03487	.00312	.02719	.00370	.09829	.00709	.08073	.11796

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00565	.01715	.00134	-.00203	.01365	.01721	.21306
Stddev	.00008	.00057	.00007	.00008	.00017	.00285	.00126
%RSD	1.4110	3.3373	5.1760	4.0119	1.2661	16.554	.58971
#1	.00569	.01781	.00129	-.00212	.01359	.02036	.21434
#2	.00570	.01678	.00142	-.00202	.01385	.01481	.21183
#3	.00556	.01686	.00131	-.00195	.01352	.01645	.21301

Sample Name: S1 Acquired: 8/23/2024 9:31:42 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4109.0	57944.	6360.0	3227.9	5918.8
Stddev	15.3	261.	16.4	15.5	20.6
%RSD	.37198	.45065	.25818	.48155	.34820
#1	4093.3	58158.	6357.3	3240.1	5897.7
#2	4123.8	57653.	6345.1	3210.4	5938.9
#3	4109.8	58021.	6377.6	3233.1	5919.7

Sample Name: S2 Acquired: 8/23/2024 9:36:01 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.04263	.05971	.18502	.06608	.11388	.11157	2.8452	.53595
Stddev	.00015	.00013	.00046	.00031	.00027	.00049	.0047	.00395
%RSD	.34145	.21073	.25095	.46173	.23804	.43977	.16599	.73636
#1	.04262	.05969	.18474	.06591	.11393	.11184	2.8415	.53144
#2	.04249	.05984	.18556	.06590	.11358	.11100	2.8505	.53767
#3	.04278	.05959	.18477	.06643	.11411	.11186	2.8436	.53875

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.0730	.23791	.02807	.47212	.14755	.00335	.32592	.07700
Stddev	.0017	.00176	.00011	.00107	.00030	.00001	.00127	.00035
%RSD	.15925	.73978	.38005	.22705	.20650	.23776	.38890	.45822
#1	1.0711	.23589	.02816	.47117	.14772	.00335	.32448	.07675
#2	1.0743	.23871	.02795	.47328	.14720	.00336	.32686	.07685
#3	1.0736	.23912	.02810	.47191	.14773	.00334	.32642	.07741

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.35938	.07112	.05116	.03255	.97603	.01619	.66540	.48595
Stddev	.00037	.00033	.00027	.00024	.00106	.00011	.00580	.00071
%RSD	.10388	.46907	.52046	.74494	.10818	.70020	.87110	.14689
#1	.35912	.07084	.05110	.03229	.97489	.01620	.65887	.48514
#2	.35921	.07104	.05146	.03258	.97698	.01630	.66740	.48620
#3	.35981	.07149	.05093	.03277	.97620	.01607	.66993	.48650

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.11224	.29022	.00345	.03020	.02738	.34580	8.2827
Stddev	.00012	.00098	.00002	.00006	.00006	.00146	.0257
%RSD	.10928	.33626	.68239	.20346	.22058	.42267	.30981
#1	.11219	.28948	.00345	.03026	.02744	.34669	8.2573
#2	.11238	.29132	.00347	.03021	.02732	.34658	8.3086
#3	.11215	.28984	.00343	.03014	.02738	.34411	8.2823

Sample Name: S2 Acquired: 8/23/2024 9:36:01 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3999.9	55125.	6160.7	3090.2	5689.0
Stddev	10.3	80.	27.6	6.6	9.9
%RSD	.25632	.14501	.44832	.21452	.17324
#1	3990.0	55033.	6192.6	3097.6	5677.7
#2	4010.5	55174.	6143.8	3088.3	5693.5
#3	3999.1	55168.	6145.7	3084.7	5695.7

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: S3 Acquired: 8/23/2024 9:40:12 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.13208	.17562	.56248	.20317	.34590	.32861	8.3471	1.5572
Stddev	.00050	.00271	.00129	.00108	.00124	.00545	.1169	.0129
%RSD	.37757	1.5427	.22910	.52984	.35713	1.6575	1.4006	.82488
#1	.13250	.17764	.56354	.20440	.34732	.33089	8.4088	1.5558
#2	.13221	.17254	.56285	.20267	.34533	.33254	8.4203	1.5707
#3	.13153	.17668	.56104	.20243	.34506	.32239	8.2123	1.5451

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.3083	.70659	.08290	1.4367	.44827	.01012	.96242	.22538
Stddev	.0138	.01094	.00025	.0066	.00150	.00005	.01452	.00327
%RSD	.41580	1.5481	.29772	.46285	.33541	.47004	1.5090	1.4493
#1	3.3216	.71295	.08262	1.4434	.44948	.01013	.96915	.22756
#2	3.3093	.71287	.08306	1.4366	.44874	.01017	.97236	.22694
#3	3.2941	.69396	.08303	1.4301	.44659	.01007	.94575	.22162

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.0889	.21121	.14050	.09626	2.8839	.04986	1.9437	1.4592
Stddev	.0050	.00026	.00093	.00198	.0100	.00038	.0175	.0036
%RSD	.45648	.12410	.66021	2.0543	.34628	.75879	.89942	.24578
#1	1.0937	.21150	.14110	.09699	2.8774	.05011	1.9479	1.4625
#2	1.0891	.21112	.14097	.09777	2.8954	.05004	1.9586	1.4597
#3	1.0838	.21100	.13943	.09402	2.8789	.04943	1.9244	1.4554

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.34236	.86357	.00993	.10161	.08594	.94844	24.746
Stddev	.00186	.01287	.00009	.00042	.00058	.01643	.359
%RSD	.54412	1.4903	.90163	.41595	.67348	1.7319	1.4518
#1	.34450	.87002	.01001	.10207	.08656	.95679	24.924
#2	.34154	.87193	.00994	.10152	.08584	.95902	24.981
#3	.34105	.84875	.00984	.10124	.08542	.92952	24.332

Sample Name: S3 Acquired: 8/23/2024 9:40:12 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3929.0	58122.	6501.6	3181.2	5500.9
Stddev	11.1	219.	73.2	17.9	20.5
%RSD	.28285	.37753	1.1257	.56117	.37215
#1	3926.5	57921.	6457.4	3173.9	5486.8
#2	3919.4	58089.	6461.4	3168.1	5491.5
#3	3941.2	58356.	6586.1	3201.5	5524.4

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: S4 Acquired: 8/23/2024 9:44:16 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.26722	.35962	1.1382	.40812	.69711	.66337	17.020	3.0816
Stddev	.00066	.00379	.0024	.00091	.00065	.00443	.093	.0154
%RSD	.24842	1.0531	.21414	.22233	.09285	.66757	.54421	.50057
#1	.26731	.36334	1.1407	.40917	.69654	.66000	16.914	3.0744
#2	.26652	.35977	1.1359	.40764	.69697	.66839	17.064	3.0993
#3	.26784	.35577	1.1379	.40756	.69781	.66173	17.082	3.0710

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.7596	1.4330	.16571	2.9290	.89683	.02090	1.9484	.45892
Stddev	.0124	.0073	.00058	.0063	.00088	.00003	.0062	.00239
%RSD	.18373	.50770	.35005	.21500	.09769	.15231	.31763	.52182
#1	6.7711	1.4268	.16597	2.9354	.89598	.02090	1.9416	.45616
#2	6.7464	1.4411	.16611	2.9228	.89677	.02093	1.9538	.46014
#3	6.7614	1.4313	.16504	2.9289	.89773	.02086	1.9497	.46045

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.2125	.42235	.28571	.19777	5.7921	.10419	3.8580	2.9650
Stddev	.0043	.00064	.00130	.00122	.0099	.00030	.0186	.0006
%RSD	.19305	.15081	.45530	.61815	.17141	.28393	.48241	.02158
#1	2.2173	.42211	.28479	.19645	5.8025	.10386	3.8515	2.9657
#2	2.2090	.42308	.28515	.19801	5.7827	.10431	3.8790	2.9649
#3	2.2114	.42188	.28720	.19886	5.7910	.10441	3.8435	2.9645

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.69682	1.7495	.02046	.21321	.17556	1.9274	50.061
Stddev	.00132	.0100	.00019	.00051	.00049	.0138	.723
%RSD	.18953	.57205	.93786	.23838	.28081	.71719	1.4450
#1	.69832	1.7379	.02030	.21370	.17613	1.9119	49.228
#2	.69585	1.7547	.02040	.21269	.17528	1.9318	50.535
#3	.69628	1.7558	.02067	.21325	.17527	1.9385	50.420

Sample Name: S4 Acquired: 8/23/2024 9:44:16 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3829.8	57092.	6444.1	3111.3	5277.9
Stddev	.8	95.	39.3	5.3	7.0
%RSD	.02155	.16561	.61041	.16960	.13318
#1	3830.6	57184.	6471.6	3112.8	5269.8
#2	3829.8	56995.	6399.0	3115.8	5282.1
#3	3829.0	57097.	6461.6	3105.5	5281.9

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: S5 Acquired: 8/23/2024 9:48:28 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.51329	.69552	2.2592	.77089	1.3506	1.3434	33.840	6.3103
Stddev	.00120	.00925	.0061	.00233	.0034	.0086	.640	.0628
%RSD	.23445	1.3302	.26965	.30185	.25043	.64185	1.8925	.99587
#1	.51329	.70273	2.2562	.77200	1.3513	1.3469	34.580	6.3244
#2	.51209	.68509	2.2552	.76822	1.3470	1.3336	33.463	6.2416
#3	.51449	.69875	2.2662	.77246	1.3536	1.3497	33.478	6.3649

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	13.222	2.8439	.33053	5.7785	1.7169	.04201	3.8863	.91848
Stddev	.030	.0139	.00122	.0144	.0031	.00019	.0188	.00793
%RSD	.22882	.48964	.36993	.24837	.17813	.44148	.48496	.86325
#1	13.206	2.8514	.32913	5.7716	1.7150	.04210	3.8909	.92281
#2	13.202	2.8279	.33139	5.7689	1.7153	.04213	3.8656	.90933
#3	13.256	2.8525	.33106	5.7950	1.7205	.04180	3.9024	.92331

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.3340	.85374	.59699	.39849	11.816	.21872	7.9034	5.8406
Stddev	.0106	.00022	.00322	.00189	.014	.00131	.0820	.0109
%RSD	.24397	.02623	.53919	.47307	.12105	.59745	1.0373	.18687
#1	4.3302	.85399	.59653	.39949	11.817	.21836	7.9192	5.8451
#2	4.3258	.85367	.60041	.39632	11.801	.22016	7.8147	5.8282
#3	4.3459	.85356	.59402	.39967	11.829	.21762	7.9763	5.8487

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.3648	3.5179	.04298	.41644	.34008	4.1045	100.26
Stddev	.0040	.0180	.00046	.00153	.00190	.0166	1.20
%RSD	.29570	.51050	1.0765	.36690	.55994	.40351	1.1979
#1	1.3647	3.5244	.04245	.41587	.33969	4.1123	100.76
#2	1.3608	3.4976	.04329	.41527	.33841	4.0854	98.895
#3	1.3689	3.5317	.04320	.41817	.34216	4.1157	101.14

Sample Name: S5 Acquired: 8/23/2024 9:48:28 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3969.2	53953.	6121.3	2935.6	5401.3
Stddev	12.2	143.	47.7	10.6	10.8
%RSD	.30725	.26554	.77999	.36238	.20053
#1	3956.9	53895.	6097.8	2924.1	5389.2
#2	3969.5	53848.	6176.2	2937.7	5404.4
#3	3981.3	54117.	6089.9	2945.0	5410.2

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: ICV01 Acquired: 8/23/2024 9:52:46 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.035920	1.076452	1.020677	1.046154	1.040046	2.683888
Stddev	.002381	.025295	.002473	.001977	.002546	.029372
%RSD	.2298898	2.349880	.2423188	.1890091	.2447614	1.094392
#1	1.038670	1.090716	1.023420	1.048120	1.039317	2.717115
#2	1.034510	1.091394	1.019994	1.046174	1.042876	2.673164
#3	1.034581	1.047247	1.018617	1.044166	1.037944	2.661384

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5359778	.5260279	.5071702	10.72082	.5474316	.5172344
Stddev	.0021905	.0033035	.0003597	.04801	.0026021	.0006429
%RSD	.4086925	.6280011	.0709187	.4477763	.4753277	.1242932
#1	.5381967	.5253037	.5068957	10.73749	.5502975	.5176724
#2	.5359198	.5231467	.5075774	10.75827	.5467803	.5164963
#3	.5338169	.5296334	.5070376	10.66670	.5452170	.5175344

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5323622	10.88699	.5380291	6.325484	.5187534	.2698378
Stddev	.0007055	.12008	.0031691	.016717	.0006153	.0013795
%RSD	.1325131	1.102944	.5890214	.2642835	.1186061	.5112242
#1	.5315507	10.97969	.5405440	6.339316	.5191228	.2712054
#2	.5328289	10.92994	.5390738	6.306908	.5180431	.2698613
#3	.5327071	10.75135	.5344696	6.330229	.5190943	.2684468

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.37641	.5240555	1.058078	10.42559	F .0236492	F .0008284
Stddev	.14067	.0072185	.003237	.17587	.0016846	.0003384
%RSD	1.355701	1.377437	.3058953	1.686876	7.123180	40.85340
#1	10.50544	.5293747	1.061810	10.62736	.0246648	.0012191
#2	10.39734	.5269535	1.056395	10.34460	.0245782	.0006386
#3	10.22644	.5158383	1.056030	10.30480	.0217047	.0006275

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: ICV01 Acquired: 8/23/2024 9:52:46 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.000733	F .0004102	F .0132809	F .0027597	F -.001235	F .0046364
Stddev	.000194	.0018320	.0075613	.0014095	.002639	.0067465
%RSD	26.41409	446.5671	56.93356	51.07332	213.6998	145.5117
#1	-.000779	-.001574	.0117462	.0028905	.001371	.0106124
#2	-.000899	.000767	.0214918	.0012894	-.001170	.0059762
#3	-.000520	.002037	.0066047	.0040992	-.003906	-.002679

Elem	Sr4077
Units	ppm
Avg	F -.009572
Stddev	.000066
%RSD	.6869675
#1	-.009535
#2	-.009533
#3	-.009648

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4220.149	55943.66	6583.455	3143.673	6049.090
Stddev	15.744	381.66	14.176	15.092	17.549
%RSD	.3730713	.6822184	.2153340	.4800869	.2901064
#1	4220.170	55558.05	6580.133	3127.192	6045.654
#2	4204.394	55951.68	6598.997	3147.009	6033.513
#3	4235.882	56321.24	6571.235	3156.818	6068.103

Sample Name: LLICV01 Acquired: 8/23/2024 9:56:56 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0235726	.0421811	.0143033	.0205549	.0507076	.1101683
Stddev	.0013348	.0021568	.0004641	.0032470	.0027300	.0155578
%RSD	5.662587	5.113263	3.244977	15.79666	5.383749	14.12185
#1	.0237722	.0445366	.0143240	.0226826	.0533284	.1277820
#2	.0247963	.0417040	.0147567	.0168176	.0478802	.0983013
#3	.0221491	.0403028	.0138291	.0221645	.0509142	.1044217

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1027856	.0061863	.0063203	2.024854	.0101057	.0307868
Stddev	.0010460	.0000767	.0001158	.037344	.0004775	.0001830
%RSD	1.017649	1.240559	1.832447	1.844289	4.724879	.5942531
#1	.1023895	.0061235	.0064446	2.067879	.0106055	.0308833
#2	.1019954	.0061635	.0062153	2.005841	.0100573	.0305758
#3	.1039717	.0062718	.0063010	2.000843	.0096542	.0309012

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0231428	.1026181	.0213176	2.213799	.0404308	.0116629
Stddev	.0005866	.0051938	.0003644	.034084	.0002512	.0000423
%RSD	2.534746	5.061302	1.709333	1.539632	.6212539	.3626516
#1	.0226133	.1021598	.0215162	2.222320	.0404927	.0116190
#2	.0237734	.0976686	.0215396	2.242815	.0401545	.0116662
#3	.0230418	.1080258	.0208971	2.176263	.0406453	.0117034

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.882588	.0406567	.0407851	1.916912	.1041222	.2010273
Stddev	.026178	.0013467	.0007534	.048260	.0009408	.0001557
%RSD	1.390549	3.312435	1.847249	2.517607	.9035700	.0774707
#1	1.902626	.0411583	.0415145	1.869611	.1041398	.2008812
#2	1.892170	.0391312	.0408309	1.966078	.1031726	.2010096
#3	1.852969	.0416808	.0400098	1.915048	.1050540	.2011912

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: LLICV01 Acquired: 8/23/2024 9:56:56 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0399582	.0388517	F .2867059	.0216304	F .3901480	F -.000811
Stddev	.0003615	.0017542	.0091609	.0009262	.0046366	.002197
%RSD	.9047653	4.515255	3.195222	4.282177	1.188411	270.7277
#1	.0398533	.0397298	.2906295	.0207848	.3922752	-.000504
#2	.0396607	.0368318	.2932515	.0226203	.3933393	.001215
#3	.0403605	.0399935	.2762367	.0214862	.3848296	-.003146

Elem	Sr4077
Units	ppm
Avg	.0205480
Stddev	.0002703
%RSD	1.315443
#1	.0208429
#2	.0204891
#3	.0203121

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3963.068	59455.43	6655.596	3259.343	5649.808
Stddev	10.471	93.21	52.767	15.795	20.482
%RSD	.2642122	.1567800	.7928252	.4845922	.3625341
#1	3958.432	59350.98	6625.074	3255.022	5638.633
#2	3955.715	59485.12	6716.526	3246.159	5637.344
#3	3975.057	59530.18	6625.188	3276.848	5673.448

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: ICB01 Acquired: 8/23/2024 10:01:13 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000553	-.003146	.0001729	.0021291	-.000559	-.012395	.0034712
Stddev	.001920	.002227	.0001754	.0018869	.001072	.012149	.0013155
%RSD	347.4981	70.78410	101.4540	88.62597	191.7258	98.00978	37.89791
#1	.001634	-.001025	-.000020	.0004204	-.001389	-.016990	.0041469
#2	-.001330	-.002947	.000217	.0041542	-.000939	.001381	.0043114
#3	-.001961	-.005465	.000322	.0018126	.000651	-.021576	.0019551

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000679	-.000038	-.007003	.0000136	.0004819	-.000338	.0005522
Stddev	.0000712	.000066	.015890	.0005583	.0000811	.000211	.0033851
%RSD	104.9086	172.1428	226.9016	4104.828	16.83155	62.38867	613.0305
#1	.0000928	-.000115	-.013922	-.000470	.0005748	-.000236	.0006601
#2	-.000012	-.000004	.011173	.000625	.0004455	-.000197	-.002886
#3	.000123	.000004	-.018261	-.000114	.0004254	-.000580	.003882

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005713	.0179644	.0001323	-.000713	.0195371	.0000088	-.000039
Stddev	.0004094	.0152541	.0003126	.000240	.0114052	.0076509	.000221
%RSD	71.65811	84.91284	236.3348	33.60476	58.37712	86842.83	558.3118
#1	.0002450	.0217636	.0004730	-.000882	.0090538	-.008703	-.000212
#2	.0010307	.0309598	.0000653	-.000820	.0178756	.003094	.000209
#3	.0004382	.0011698	-.000141	-.000439	.0316819	.005636	-.000115

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0238251	.0059616	.0000959	.0000606	.0006869	-.006600	.0006593
Stddev	.0351505	.0002011	.0002861	.0007466	.0009697	.004644	.0020162
%RSD	147.5357	3.372755	298.3887	1232.094	141.1694	70.36391	305.8198
#1	-.009569	.0061406	-.000160	.0001393	.0008306	-.001358	.0001700
#2	.020542	.0057440	.000043	-.000722	-.000347	-.008243	.0028751
#3	.060502	.0060002	.000405	.000765	.001577	-.010198	-.001067

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: ICB01 Acquired: 8/23/2024 10:01:13 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.003166	-.002688	.0000641
Stddev	.001012	.005122	.0000343
%RSD	31.95990	190.5284	53.47786
#1	-.003350	-.000927	.0001037
#2	-.004073	-.008458	.0000431
#3	-.002075	.001320	.0000456

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4201.452	56376.41	6568.198	3154.117	6140.132
Stddev	5.464	151.96	22.778	8.684	5.570
%RSD	.1300543	.2695469	.3467891	.2753288	.0907145
#1	4203.124	56209.08	6590.265	3144.300	6134.644
#2	4195.348	56505.82	6569.559	3157.254	6139.972
#3	4205.886	56414.32	6544.770	3160.796	6145.781

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CRI01 Acquired: 8/23/2024 10:05:36 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0225310	.0439881	.0148231	.0228162	.0525979	.1003257
Stddev	.0009407	.0013344	.0020598	.0012061	.0019885	.0051433
%RSD	4.175002	3.033602	13.89591	5.286262	3.780533	5.126621
#1	.0227592	.0427175	.0131550	.0217293	.0541293	.0948015
#2	.0214972	.0453783	.0171254	.0241138	.0503506	.1011992
#3	.0233365	.0438686	.0141888	.0226054	.0533139	.1049762

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1070640	.0061580	.0064771	2.044986	.0101120	.0310966
Stddev	.0016020	.0000755	.0000849	.011803	.0004250	.0000707
%RSD	1.496263	1.226304	1.311075	.5771660	4.203033	.2274611
#1	.1052431	.0061254	.0063908	2.041169	.0103580	.0310176
#2	.1076924	.0061043	.0064799	2.035564	.0103567	.0311541
#3	.1082565	.0062443	.0065606	2.058225	.0096212	.0311180

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0226826	.0995901	.0217451	2.202602	.0410517	.0115749
Stddev	.0004098	.0031787	.0001959	.035409	.0002197	.0004576
%RSD	1.806749	3.191812	.9008056	1.607593	.5352510	3.953159
#1	.0222108	.1025653	.0218280	2.192174	.0412590	.0118303
#2	.0228874	.0962410	.0215214	2.173578	.0408214	.0118477
#3	.0229497	.0999641	.0218860	2.242054	.0410746	.0110466

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.885996	.0446003	.0412432	1.948587	.0955296	.2046067
Stddev	.006609	.0016879	.0002455	.036262	.0012486	.0007009
%RSD	.3504469	3.784476	.5951423	1.860919	1.307010	.3425701
#1	1.893425	.0455865	.0410222	1.981364	.0952035	.2043172
#2	1.883796	.0426514	.0412001	1.954762	.0944763	.2040969
#3	1.880767	.0455631	.0415074	1.909634	.0969088	.2054060

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CRI01 Acquired: 8/23/2024 10:05:36 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0405930	.0407057	.2891433	.0213186	F .4046850	F .0054785
Stddev	.0002442	.0022443	.0072562	.0025042	.0018100	.0029178
%RSD	.6015733	5.513444	2.509539	11.74637	.4472613	53.25820
#1	.0406945	.0396081	.2889464	.0227585	.4064406	.0064287
#2	.0407701	.0392214	.2819875	.0184270	.4047893	.0078027
#3	.0403145	.0432875	.2964959	.0227702	.4028251	.0022041

Elem	Sr4077
Units	ppm
Avg	.0203770
Stddev	.0002207
%RSD	1.082963
#1	.0206142
#2	.0201777
#3	.0203391

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3986.025	60156.64	6787.276	3283.654	5683.173
Stddev	1.090	299.74	35.322	13.319	5.996
%RSD	.0273525	.4982686	.5204164	.4056214	.1054982
#1	3985.851	60306.93	6823.491	3294.523	5685.398
#2	3985.032	59811.49	6752.920	3268.796	5676.383
#3	3987.192	60351.51	6785.418	3287.642	5687.738

Sample Name: ICSA01 Acquired: 8/23/2024 10:09:55 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.011349	.0082070	-.005312	-.008496	.0010147	260.5924
Stddev	.003700	.0009878	.002307	.004045	.0011115	.8038
%RSD	32.60020	12.03571	43.42912	47.60804	109.5380	.3084581
#1	-.015531	.0093400	-.007154	-.005278	.0022939	261.3262
#2	-.010012	.0075264	-.006058	-.013036	.0004648	259.7333
#3	-.008503	.0077547	-.002724	-.007173	.0002853	260.7177

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0134115	.0013643	-.002528	250.8407	.0587431	.0016324
Stddev	.0012657	.0000449	.000066	.7180	.0003885	.0003575
%RSD	9.437402	3.289090	2.624144	.2862308	.6613736	21.90195
#1	.0122945	.0013140	-.002601	251.4815	.0591648	.0012214
#2	.0131538	.0013786	-.002473	250.0648	.0586647	.0018710
#3	.0147863	.0014002	-.002510	250.9759	.0583997	.0018050

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005910	107.1701	.0163343	261.6858	.0039511	.0020483
Stddev	.000390	.4824	.0008729	.5229	.0002433	.0002125
%RSD	6.599309	.4500789	5.344087	.1998381	6.157298	10.37483
#1	-.005684	106.7277	.0153645	262.1814	.0037141	.0021130
#2	-.005686	107.0983	.0170573	261.1393	.0039391	.0018110
#3	-.006360	107.6843	.0165809	261.7368	.0042002	.0022209

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1346940	.0077017	-.000055	.0257742	-.033304	.0010676
Stddev	.0404163	.0010990	.000568	.0555189	.002431	.0003831
%RSD	30.00598	14.26910	1024.614	215.4050	7.299507	35.88890
#1	.0892444	.0065420	-.000687	.0835959	-.035451	.0014949
#2	.1665960	.0087277	.000415	.0208390	-.033796	.0007547
#3	.1482416	.0078355	.000106	-.027112	-.030665	.0009530

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: ICSA01 Acquired: 8/23/2024 10:09:55 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002355	.0007393	.0188182	.0065288	F -.022019	F .0316791
Stddev	.000501	.0013860	.0124122	.0039621	.002141	.0048684
%RSD	21.29607	187.4778	65.95826	60.68698	9.723845	15.36784
#1	-.002793	-.000296	.0059455	.0050597	-.024462	.0286404
#2	-.002464	.002314	.0307119	.0035110	-.021130	.0291025
#3	-.001808	.000200	.0197974	.0110156	-.020466	.0372942

Elem	Sr4077
Units	ppm
Avg	-.003977
Stddev	.000623
%RSD	15.66592
#1	-.003267
#2	-.004233
#3	-.004431

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3843.484	51622.33	6251.205	2895.862	5224.053
Stddev	15.539	194.04	52.525	12.692	12.263
%RSD	.4043001	.3758880	.8402408	.4382657	.2347325
#1	3830.287	51447.06	6190.765	2882.007	5213.051
#2	3839.554	51830.85	6285.803	2906.925	5221.834
#3	3860.611	51589.08	6277.046	2898.656	5237.273

Sample Name: ICSAB01 Acquired: 8/23/2024 10:14:13 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1008759	.1189414	.0441780	.0445623	.6449838	260.1140
Stddev	.0021442	.0013431	.0008481	.0011204	.0005563	2.7306
%RSD	2.125621	1.129229	1.919622	2.514317	.0862447	1.049780
#1	.1027277	.1173926	.0443845	.0435687	.6445340	258.9247
#2	.0985267	.1196464	.0449037	.0443416	.6456058	263.2376
#3	.1013734	.1197853	.0432458	.0457767	.6448116	258.1798

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5403238	.5247274	1.028742	252.0999	.5828074	.5226540
Stddev	.0092147	.0057418	.000992	2.7618	.0009041	.0006890
%RSD	1.705402	1.094247	.0964464	1.095528	.1551209	.1318321
#1	.5384687	.5256424	1.027757	250.9290	.5834458	.5219263
#2	.5503249	.5299568	1.028728	255.2543	.5832036	.5232964
#3	.5321777	.5185830	1.029741	250.1163	.5817729	.5227393

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5053209	105.9637	.5360430	262.5502	1.033435	.2291055
Stddev	.0009637	.4316	.0069813	3.3203	.001280	.0011762
%RSD	.1906998	.4072726	1.302373	1.264618	.1238174	.5134041
#1	.5045131	105.6989	.5331684	261.9484	1.031964	.2290517
#2	.5050621	106.4617	.5440026	266.1302	1.034291	.2303077
#3	.5063875	105.7305	.5309580	259.5720	1.034049	.2279571

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0501009	.5229626	1.078291	-.123002	F -.035791	F .0009076
Stddev	.0282895	.0079219	.003434	.033547	.002101	.0001727
%RSD	56.46509	1.514811	.3184811	27.27326	5.870599	19.02446
#1	.0245319	.5278436	1.081238	-.088250	-.036427	.0007786
#2	.0452796	.5272220	1.079114	-.155197	-.037502	.0011037
#3	.0804913	.5138222	1.074520	-.125560	-.033446	.0008404

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: ICSAB01 Acquired: 8/23/2024 10:14:13 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.002879	F -.001725	F .0021647	F .0072986	F -.017310	F .0240034
Stddev	.000878	.001881	.0082635	.0020328	.003632	.0069956
%RSD	30.49431	109.0321	381.7483	27.85228	20.98422	29.14426
#1	-.003858	-.003287	-.004016	.0056943	-.020785	.0243930
#2	-.002162	.000362	-.001040	.0066168	-.013538	.0168212
#3	-.002617	-.002250	.011551	.0095847	-.017608	.0307962

Elem	Sr4077
Units	ppm
Avg	F -.002264
Stddev	.000769
%RSD	33.98403
#1	-.002322
#2	-.001467
#3	-.003003

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3807.045	53436.05	6374.489	2947.414	5190.004
Stddev	2.971	185.96	73.797	9.146	2.140
%RSD	.0780492	.3480115	1.157693	.3102984	.0412338
#1	3803.614	53614.22	6400.331	2956.578	5191.081
#2	3808.796	53243.17	6291.247	2938.287	5187.540
#3	3808.724	53450.77	6431.890	2947.378	5191.393

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCV01 Acquired: 8/23/2024 10:22:07 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.978166	5.262366	4.966218	5.015539	5.005135	10.16543	10.05239
Stddev	.020112	.120377	.010333	.018520	.016337	.03386	.04676
%RSD	.4040006	2.287515	.2080722	.3692493	.3263947	.3331014	.4651512
#1	5.000971	5.401343	4.978130	5.036049	5.023904	10.15324	10.03115
#2	4.970563	5.190710	4.959666	5.010527	4.997392	10.20370	10.10600
#3	4.962964	5.195045	4.960859	5.000041	4.994111	10.13935	10.02003

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2531591	2.487473	25.31042	.9951480	2.484686	1.251046	4.972843
Stddev	.0012468	.006917	.02583	.0022995	.006429	.003341	.015685
%RSD	.4925021	.2780851	.1020683	.2310704	.2587443	.2670353	.3154099
#1	.2524791	2.495458	25.28241	.9971619	2.491970	1.254883	4.985882
#2	.2545981	2.483662	25.33331	.9956397	2.482283	1.248781	4.977211
#3	.2524001	2.483300	25.31553	.9926424	2.479805	1.249475	4.955438

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.510002	24.87080	2.483068	1.260024	24.33715	2.486043	2.517612
Stddev	.008407	.19173	.005183	.001867	.08231	.017759	.005374
%RSD	.3349318	.7709070	.2087518	.1481688	.3382007	.7143471	.2134399
#1	2.506403	24.74363	2.489052	1.262103	24.30120	2.471139	2.523703
#2	2.519610	25.09133	2.479961	1.259475	24.43132	2.505693	2.515593
#3	2.503995	24.77745	2.480191	1.258492	24.27894	2.481297	2.513540

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.58069	5.058862	5.057977	4.985932	5.055577	4.851594	4.982043
Stddev	.07863	.025874	.025457	.019017	.016119	.015448	.022212
%RSD	.3198650	.5114557	.5033055	.3814046	.3188458	.3184151	.4458448
#1	24.64851	5.041922	5.086749	5.007796	5.041326	4.834034	5.006284
#2	24.59905	5.088645	5.048807	4.976758	5.073072	4.857660	4.962665
#3	24.49451	5.046019	5.038376	4.973242	5.052332	4.863089	4.977179

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCV01 Acquired: 8/23/2024 10:22:07 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.827847	4.923640	5.047139
Stddev	.026099	.036661	.028069
%RSD	.5405828	.7445931	.5561389
#1	4.857937	4.914235	5.046413
#2	4.811355	4.964088	5.075564
#3	4.814250	4.892598	5.019440

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4068.774	56684.30	6343.290	3068.748	5651.136
Stddev	23.748	124.84	35.230	6.325	31.488
%RSD	.5836706	.2202397	.5553919	.2060949	.5572065
#1	4043.534	56608.21	6359.557	3061.615	5616.532
#2	4072.108	56616.31	6302.865	3070.955	5658.772
#3	4090.678	56828.38	6367.447	3073.673	5678.105

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCB01 Acquired: 8/23/2024 10:27:27 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001141	.0001706	-.001598	.0001790	-.001962	-.001457	.0064418
Stddev	.002234	.0004610	.000582	.0009078	.001088	.010542	.0014713
%RSD	195.7645	270.2082	36.42915	507.2594	55.46262	723.6780	22.83957
#1	.001297	.0005441	-.001168	-.000117	-.002162	.003311	.0062045
#2	-.003090	-.000345	-.002260	.001198	-.000787	.005859	.0080173
#3	-.001631	.000312	-.001365	-.000544	-.002936	-.013541	.0051036

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000587	.0000010	.0173120	.0000904	.0003902	-.000421	-.003857
Stddev	.0000493	.0000416	.0182774	.0008496	.0001584	.000358	.005688
%RSD	84.01868	4262.466	105.5766	939.9978	40.59109	84.94794	147.4714
#1	.0001150	-.000038	.0292183	-.000161	.0005726	-.000676	.002342
#2	.0000236	.000045	.0264499	.001037	.0003095	-.000012	-.005078
#3	.0000374	-.000004	-.003732	-.000605	.0002883	-.000575	-.008835

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005282	.0230517	-.000282	-.000449	-.049760	-.000125	-.000100
Stddev	.0004600	.0193805	.000346	.000025	.006452	.006427	.000163
%RSD	87.09411	84.07389	122.5302	5.540836	12.96524	5154.225	163.3282
#1	.0007082	.0024539	-.000383	-.000471	-.042579	-.006877	-.000263
#2	.0000054	.0257742	-.000567	-.000422	-.055067	.000585	-.000099
#3	.0008710	.0409270	.000103	-.000454	-.051634	.005918	.000063

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.064778	.0090017	.0000214	.0003676	.0000708	-.002414	-.000016
Stddev	.018778	.0013582	.0002992	.0004282	.0009428	.007674	.000958
%RSD	28.98874	15.08781	1397.177	116.4952	1332.022	317.8843	5986.012
#1	-.046081	.0104035	-.000308	-.000124	-.000568	-.000766	-.001117
#2	-.064616	.0089095	.000276	.000571	.001154	.004302	.000622
#3	-.083636	.0076919	.000096	.000656	-.000373	-.010778	.000447

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCB01 Acquired: 8/23/2024 10:27:27 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.003379	-.000055	.0002296
Stddev	.002390	.003768	.0000633
%RSD	70.72538	6891.294	27.58614
#1	-.001141	.003294	.0003001
#2	-.003101	-.004134	.0001774
#3	-.005896	.000676	.0002114

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4113.392	58594.67	6504.172	3203.098	6013.031
Stddev	8.721	183.27	38.501	6.297	10.386
%RSD	.2120190	.3127733	.5919356	.1965921	.1727188
#1	4111.349	58620.25	6515.044	3206.413	6001.539
#2	4122.953	58399.96	6461.404	3195.836	6021.745
#3	4105.874	58763.81	6536.067	3207.044	6015.810

Sample Name: LR1 Acquired: 8/23/2024 10:31:50 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.069641	.0871728	-.045368	-.058417	.0055167	1889.369
Stddev	.003143	.0051300	.008503	.011842	.0011677	34.196
%RSD	4.513393	5.884847	18.74188	20.27114	21.16608	1.809938
#1	-.068316	.0916351	-.044126	-.068200	.0042319	1850.050
#2	-.073229	.0815678	-.037555	-.045252	.0065133	1912.174
#3	-.067376	.0883155	-.054424	-.061800	.0058049	1905.883

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0307896	.0093437	-.024360	1643.862	-.001764	.0238671
Stddev	.0014540	.0001600	.000900	7.101	.000823	.0004372
%RSD	4.722195	1.712531	3.693807	.4319962	46.64542	1.832028
#1	.0311322	.0091603	-.023323	1638.507	-.000939	.0240653
#2	.0320417	.0094545	-.024823	1641.163	-.001767	.0233658
#3	.0291950	.0094165	-.024934	1651.918	-.002585	.0241700

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.218824	1026.995	.0156548	1632.585	.0370016	.0313163
Stddev	.009747	10.442	.0003275	29.534	.0004706	.0023651
%RSD	4.454161	1.016778	2.092250	1.809054	1.271712	7.552296
#1	-.207615	1014.990	.0153127	1598.644	.0374479	.0288713
#2	-.223551	1032.021	.0156862	1646.672	.0370470	.0335925
#3	-.225306	1033.974	.0159655	1652.438	.0365100	.0314851

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1975.346	.0263574	.0117266	F 1559.373	-.174083	.0009737
Stddev	3.236	.0016655	.0011563	19.060	.015479	.0010306
%RSD	.1637978	6.318788	9.860485	1.222279	8.891533	105.8475
#1	1971.744	.0272780	.0129961	1575.250	-.160290	.0007677
#2	1978.005	.0273593	.0107336	1564.634	-.190823	.0020918
#3	1976.290	.0244348	.0114502	1538.236	-.171136	.0000616

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: LR1 Acquired: 8/23/2024 10:31:50 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010428	-.035441	.1691089	.0577515	-.270654	.2597594
Stddev	.0020338	.001277	.0115376	.0034194	.014620	.0071885
%RSD	195.0410	3.604236	6.822598	5.920811	5.401873	2.767375
#1	-.000408	-.034044	.1580430	.0546847	-.256940	.2527664
#2	.000168	-.036550	.1810665	.0571314	-.286037	.2593831
#3	.003368	-.035729	.1682172	.0614385	-.268984	.2671286

Elem	Sr4077
Units	ppm
Avg	-1.01588
Stddev	.01012
%RSD	.9959282
#1	-1.00425
#2	-1.02073
#3	-1.02266

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3082.070	42931.57	6026.117	2313.670	3801.883
Stddev	1.897	75.32	84.577	7.520	4.123
%RSD	.0615554	.1754444	1.403507	.3250160	.1084474
#1	3083.920	42950.93	6123.778	2306.112	3806.106
#2	3082.159	42995.33	5977.171	2321.151	3797.867
#3	3080.129	42848.46	5977.402	2313.746	3801.675

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3636-01 Acquired: 8/23/2024 10:42:11 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0077886	.0253627	.1831612	-.003469	.0000733	169.0241
Stddev	.0023661	.0011645	.0020657	.003045	.0014509	.2177
%RSD	30.37883	4.591477	1.127834	87.77652	1979.099	.1287719
#1	.0093744	.0259895	.1853858	-.001122	-.001583	168.7832
#2	.0050690	.0260796	.1827943	-.006909	.001117	169.2066
#3	.0089224	.0240190	.1813035	-.002375	.000686	169.0826

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.224252	.0541342	.0166749	109.3901	.6205324	.5334208
Stddev	.017743	.0003477	.0001036	.1730	.0015447	.0006521
%RSD	.4200315	.6422321	.6212892	.1581844	.2489394	.1222384
#1	4.216940	.0539117	.0165562	109.2056	.6217753	.5334903
#2	4.244482	.0545348	.0167470	109.5488	.6188030	.5340354
#3	4.211332	.0539560	.0167215	109.4159	.6210190	.5327369

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0372356	148.2046	13.81394	159.1857	.4774400	.0038617
Stddev	.0002848	.3297	.03967	.7710	.0005446	.0003917
%RSD	.7649331	.2224399	.2871465	.4843576	.1140757	10.14379
#1	.0370936	148.3783	13.78620	158.7355	.4771345	.0043140
#2	.0375635	147.8244	13.85937	160.0760	.4771168	.0036396
#3	.0370497	148.4111	13.79624	158.7456	.4780689	.0036315

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.899619	.6641185	.5264038	23.62079	-.005921	.0007003
Stddev	.022007	.0026731	.0010646	.07075	.001949	.0001309
%RSD	.7589741	.4024963	.2022341	.2995226	32.92003	18.68705
#1	2.874290	.6610488	.5251750	23.68420	-.005434	.0006011
#2	2.910511	.6659325	.5269875	23.54448	-.008067	.0006511
#3	2.914056	.6653742	.5270487	23.63368	-.004261	.0008486

Sample Name: P3636-01 Acquired: 8/23/2024 10:42:11 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0180466	.9422346	6.188039	F 63.75990	2.202089	.1122371
Stddev	.0003472	.0012228	.014007	.08905	.007115	.0022103
%RSD	1.924020	.1297768	.2263604	.1396639	.3231020	1.969292
#1	.0176460	.9408325	6.202042	63.74996	2.193879	.1146304
#2	.0182614	.9430804	6.174028	63.85351	2.205921	.1118081
#3	.0182323	.9427908	6.188048	63.67624	2.206466	.1102728

Elem	Sr4077
Units	ppm
Avg	.2298185
Stddev	.0018291
%RSD	.7958961
#1	.2290498
#2	.2319065
#3	.2284991

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6737.112	90487.85	11142.58	5000.309	5302.696
Stddev	6.110	167.56	38.97	12.564	4.856
%RSD	.0906942	.1851774	.3497271	.2512705	.0915778
#1	6737.058	90367.91	11167.79	5007.962	5306.005
#2	6743.250	90679.30	11097.70	4985.809	5304.962
#3	6731.030	90416.33	11162.26	5007.156	5297.121

Sample Name: P3669-03 Acquired: 8/23/2024 10:46:20 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0399017	.0048645	.0736310	-.000456	.0027005	9.038426
Stddev	.0027822	.0008009	.0008738	.002984	.0009843	.016786
%RSD	6.972574	16.46412	1.186716	654.2423	36.44658	.1857174
#1	.0373034	.0052683	.0731906	-.003733	.0025284	9.025169
#2	.0428370	.0053832	.0730650	.002105	.0018137	9.032809
#3	.0395648	.0039421	.0746373	.000260	.0037595	9.057300

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2816730	.0012591	-.000362	180.8062	.0213598	.0150552
Stddev	.0016399	.0000195	.000061	.5039	.0005799	.0001585
%RSD	.5821824	1.546967	16.74913	.2787172	2.714979	1.052609
#1	.2800917	.0012406	-.000300	180.2692	.0220100	.0150509
#2	.2815615	.0012794	-.000365	181.2688	.0208961	.0148989
#3	.2833657	.0012573	-.000421	180.8806	.0211732	.0152158

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0568581	31.04818	3.672519	34.10037	.1026371	.0005633
Stddev	.0008012	.28812	.007109	.05073	.0007772	.0001950
%RSD	1.409165	.9279834	.1935630	.1487558	.7572535	34.62466
#1	.0565987	31.37726	3.664496	34.04842	.1018603	.0007261
#2	.0562188	30.84127	3.678030	34.14977	.1026363	.0006166
#3	.0577569	30.92602	3.675032	34.10293	.1034147	.0003471

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	297.9783	.0546692	.3598440	35.00653	.5560766	.2229710
Stddev	1.8487	.0048521	.0022017	.36576	.0038214	.0005911
%RSD	.6204070	8.875428	.6118485	1.044820	.6872021	.2651011
#1	296.3813	.0598907	.3576526	35.42352	.5517212	.2222958
#2	297.5502	.0538178	.3598234	34.74001	.5588676	.2232220
#3	300.0035	.0502992	.3620559	34.85607	.5576409	.2233952

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3669-03 Acquired: 8/23/2024 10:46:20 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001636	.1470602	F 18.10052	2.336181	F 27.71162	.0281007
Stddev	.000870	.0039037	.22483	.003806	.03350	.0089326
%RSD	53.15946	2.654493	1.242146	.1629148	.1208973	31.78784
#1	-.000844	.1483307	18.35735	2.336455	27.72410	.0180866
#2	-.001498	.1501703	17.93927	2.332246	27.73710	.0352478
#3	-.002567	.1426795	18.00494	2.339843	27.67367	.0309677

Elem	Sr4077
Units	ppm
Avg	1.144817
Stddev	.000906
%RSD	.0791437
#1	1.143771
#2	1.145316
#3	1.145364

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3846.143	59153.00	6784.280	3198.009	5018.684
Stddev	1.659	268.46	41.697	9.385	2.599
%RSD	.0431241	.4538478	.6146065	.2934635	.0517863
#1	3845.415	58862.28	6832.320	3200.434	5017.294
#2	3844.972	59391.56	6757.483	3205.944	5017.076
#3	3848.041	59205.15	6763.037	3187.650	5021.683

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162682TB Acquired: 8/23/2024 10:50:39 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003528	-.000490	.0011040	.0015721	-.001196	.0099384	.0019056
Stddev	.001647	.003431	.0008811	.0009075	.001000	.0042803	.0021813
%RSD	46.70020	700.3238	79.81216	57.72203	83.65520	43.06813	114.4688
#1	-.001661	-.004244	.0012680	.0024008	-.001318	.0066730	.0018817
#2	-.004146	.002485	.0018915	.0006024	-.000140	.0147842	.0040986
#3	-.004777	.000289	.0001524	.0017132	-.002129	.0083580	-.000264

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000301	-.000158	.0720122	.0014839	.0003927	.0046555	.7027504
Stddev	.0000320	.000063	.0121582	.0001795	.0001955	.0000958	.0018432
%RSD	106.5619	39.56758	16.88348	12.09382	49.76957	2.058507	.2622860
#1	.0000585	-.000206	.0859321	.0014261	.0002861	.0047544	.7006242
#2	.0000364	-.000087	.0634719	.0013404	.0006183	.0045630	.7038963
#3	-.000005	-.000181	.0666327	.0016851	.0002738	.0046492	.7037307

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0706042	.0204728	.0086890	-.000330	635.8084	-.001192	.0652327
Stddev	.0003536	.0235617	.0004881	.000115	2.8049	.004389	.0005449
%RSD	.5007780	115.0876	5.617767	34.82210	.4411540	368.2744	.8352829
#1	.0710116	.0004605	.0081254	-.000201	638.0387	-.005476	.0648960
#2	.0703777	.0464409	.0089606	-.000421	636.7272	-.001394	.0658613
#3	.0704233	.0145171	.0089808	-.000368	632.6593	.003295	.0649407

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1614393	-.001550	.0003192	.0029491	-.001428	.0166411	.0081079
Stddev	.0810088	.001093	.0002190	.0004115	.000763	.0058331	.0020074
%RSD	50.17910	70.49165	68.61471	13.95389	53.41991	35.05272	24.75839
#1	.0917696	-.002133	.0000699	.0033002	-.001196	.0210434	.0073613
#2	.1422184	-.002229	.0004809	.0030509	-.000808	.0100251	.0103816
#3	.2503300	-.000290	.0004069	.0024963	-.002280	.0188546	.0065808

Sample Name: PB162682TB Acquired: 8/23/2024 10:50:39 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2942743	.0021597	-.000812
Stddev	.0015583	.0044696	.000071
%RSD	.5295336	206.9494	8.712366
#1	.2926788	.0073178	-.000883
#2	.2957925	-.000571	-.000741
#3	.2943515	-.000268	-.000812

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4117.178	56757.83	6942.702	3172.708	5543.115
Stddev	59.818	142.79	90.078	11.018	86.755
%RSD	1.452878	.2515723	1.297450	.3472863	1.565103
#1	4183.234	56596.63	6842.423	3184.464	5639.276
#2	4101.629	56868.41	6968.920	3162.618	5519.349
#3	4066.670	56808.46	7016.762	3171.041	5470.718

Sample Name: LR2 Acquired: 8/23/2024 10:56:20 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0107954	.0243549	231.5699	.0218313	-.007249	.0763160
Stddev	.0023943	.0016989	1.5957	.0013830	.002628	.0207665
%RSD	22.17899	6.975531	.6890884	6.334720	36.25639	27.21114
#1	.0135343	.0226789	233.0751	.0228221	-.008980	.0889502
#2	.0097519	.0260758	229.8969	.0202513	-.004225	.0876491
#3	.0090999	.0243100	231.7377	.0224205	-.008543	.0523487

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	91.82228	-.002321	-.006570	.2187339	.0399395	-.017855
Stddev	.10488	.000070	.000088	.0101538	.0001637	.000336
%RSD	.1142192	3.009546	1.339631	4.642069	.4098300	1.879215
#1	91.70121	-.002371	-.006666	.2074143	.0398572	-.017496
#2	91.88512	-.002351	-.006493	.2270393	.0401280	-.018160
#3	91.88052	-.002241	-.006552	.2217482	.0398334	-.017910

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	261.7797	.0322100	42.26332	-.006440	45.24748	.0021204
Stddev	1.5606	.0044426	.39025	.027003	.34192	.0001777
%RSD	.5961670	13.79261	.9233857	419.3285	.7556647	8.380633
#1	263.5666	.0298059	42.30751	-.015244	45.23402	.0020446
#2	260.6843	.0373366	42.62960	-.027941	44.91248	.0023234
#3	261.0882	.0294876	41.85285	.023867	45.59593	.0019932

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2849446	-.011092	F 30.29016	.2271989	.0002789	-.004612
Stddev	.0078341	.004309	.12826	.0485430	.0005244	.000568
%RSD	2.749344	38.84558	.4234359	21.36586	188.0392	12.31917
#1	.2857514	-.009924	30.23406	.2417328	.0004658	-.004332
#2	.2767384	-.007487	30.43691	.1730492	.0006843	-.004239
#3	.2923441	-.015864	30.19950	.2668148	-.000313	-.005266

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: LR2 Acquired: 8/23/2024 10:56:20 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002965	-.050341	-.005053	.8440270	.1089206	-.001925
Stddev	.0013529	.001462	.012958	.0165916	.0012166	.001232
%RSD	456.2619	2.905012	256.4663	1.965764	1.117005	64.00810
#1	-.001032	-.051924	-.015986	.8631494	.1078127	-.002573
#2	.000248	-.049040	.009261	.8334512	.1102226	-.002697
#3	.001673	-.050059	-.008432	.8354803	.1087265	-.000504

Elem	Sr4077
Units	ppm
Avg	.0016100
Stddev	.0001972
%RSD	12.24642
#1	.0016622
#2	.0017758
#3	.0013920

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3858.348	61777.24	7009.608	3098.315	6031.305
Stddev	11.111	522.41	13.852	13.800	8.362
%RSD	.2879791	.8456371	.1976149	.4454038	.1386383
#1	3849.497	61257.62	7023.675	3093.494	6026.067
#2	3854.729	61771.69	6995.982	3087.572	6026.900
#3	3870.817	62302.40	7009.167	3113.879	6040.948

Sample Name: PB162724BL Acquired: 8/23/2024 11:01:36 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000178	.0012251	.0013706	-.000006	-.002034	.0093433	.0016699
Stddev	.001418	.0004355	.0004452	.000590	.000231	.0048853	.0004882
%RSD	795.2975	35.54802	32.47848	10448.11	11.35963	52.28663	29.23665
#1	-.000547	.0007253	.0012797	.000572	-.001874	.0149801	.0014286
#2	.001388	.0015231	.0009779	-.000608	-.002299	.0067137	.0022318
#3	-.001376	.0014268	.0018542	.000019	-.001930	.0063361	.0013494

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000419	-.000112	.0189723	.0014599	.0001260	.0014701	.0044325
Stddev	.0000414	.000035	.0075677	.0002965	.0001616	.0002005	.0031575
%RSD	98.80960	31.34279	39.88821	20.30671	128.2390	13.64049	71.23598
#1	.0000428	-.000123	.0185733	.0017877	.0000024	.0012946	.0066261
#2	.0000000	-.000141	.0116119	.0013817	.0003089	.0016887	.0008136
#3	.0000829	-.000073	.0267315	.0012105	.0000668	.0014271	.0058577

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006187	.0293763	.0001615	-.000433	.2710222	-.001821	.0014832
Stddev	.0007418	.0067406	.0002271	.000184	.0381655	.006515	.0005034
%RSD	119.9032	22.94570	140.6530	42.52908	14.08207	357.8701	33.94241
#1	.0004880	.0299824	.0001626	-.000616	.2408686	-.005308	.0019705
#2	-.000049	.0223532	-.000066	-.000436	.3139320	.005696	.0009651
#3	.001417	.0357934	.000388	-.000248	.2582660	-.005850	.0015140

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3325489	-.001264	.0002329	.0073092	-.000605	.0049631	-.000175
Stddev	.0561187	.000563	.0004547	.0001833	.002851	.0051024	.001281
%RSD	16.87531	44.58095	195.2112	2.507654	471.1852	102.8064	730.7737
#1	.2980904	-.001676	.0001148	.0075185	.002388	-.000384	-.000683
#2	.3022517	-.000622	-.000151	.0071775	-.000915	.009779	-.001125
#3	.3973046	-.001493	.000735	.0072315	-.003288	.005495	.001281

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162724BL Acquired: 8/23/2024 11:01:36 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0004254	.0040086	-.000081
Stddev	.0029111	.0003867	.000066
%RSD	684.3306	9.646412	81.74018
#1	-.002731	.0044499	-.000123
#2	.001002	.0038474	-.000116
#3	.003005	.0037287	-.000005

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4141.759	59904.20	6776.743	3310.195	5976.709
Stddev	13.054	33.64	36.917	9.297	20.830
%RSD	.3151906	.0561537	.5447612	.2808726	.3485181
#1	4136.057	59931.59	6738.042	3318.184	5966.289
#2	4132.525	59866.65	6780.614	3299.990	5963.145
#3	4156.694	59914.35	6811.571	3312.412	6000.693

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162724BS Acquired: 8/23/2024 11:06:17 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8444900	2.158112	1.033752	2.086780	.8363267	2.095771
Stddev	.0024918	.032015	.001706	.005037	.0006584	.019605
%RSD	.2950667	1.483451	.1650543	.2413540	.0787294	.9354430
#1	.8449783	2.173820	1.033495	2.092375	.8357444	2.090691
#2	.8417902	2.179238	1.032188	2.085356	.8370412	2.117415
#3	.8467016	2.121277	1.035572	2.082608	.8361944	2.079206

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2147704	.2119364	.2025159	1.163802	.4275733	.2085011
Stddev	.0023600	.0012306	.0000827	.005765	.0016972	.0003886
%RSD	1.098856	.5806647	.0408166	.4953867	.3969339	.1863926
#1	.2148886	.2133398	.2025967	1.157280	.4289232	.2080718
#2	.2123535	.2110416	.2025195	1.168219	.4256680	.2086025
#3	.2170691	.2114277	.2024315	1.165906	.4281288	.2088290

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3242903	3.321835	.2143579	2.144149	.5189367	.0801425
Stddev	.0003924	.027079	.0001121	.025062	.0006607	.0008670
%RSD	.1209935	.8151854	.0523084	1.168843	.1273265	1.081821
#1	.3238796	3.292271	.2144153	2.171651	.5194657	.0808718
#2	.3246613	3.327801	.2142288	2.138198	.5181961	.0803719
#3	.3243301	3.345434	.2144299	2.122599	.5191483	.0791839

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.316751	.3066178	.2150795	10.64628	.2919112	.4173601
Stddev	.008418	.0026913	.0005588	.02109	.0029295	.0001507
%RSD	.2537912	.8777461	.2597942	.1980879	1.003561	.0361133
#1	3.307041	.3041732	.2145157	10.62262	.2942833	.4175261
#2	3.321219	.3095018	.2150897	10.65315	.2928136	.4173223
#3	3.321993	.3061786	.2156331	10.66308	.2886366	.4172319

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162724BS Acquired: 8/23/2024 11:06:17 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7161790	.2042015	F .7095743	5.795384	F -.012138	.1996629
Stddev	.0003435	.0017653	.0155346	.012427	.002402	.0034989
%RSD	.0479656	.8645025	2.189283	.2144235	19.78551	1.752380
#1	.7162470	.2049441	.7146327	5.809705	-.013896	.1962477
#2	.7158066	.2021862	.7219492	5.789013	-.009402	.2032398
#3	.7164835	.2054742	.6921410	5.787435	-.013116	.1995012

Elem	Sr4077
Units	ppm
Avg	.2039495
Stddev	.0010040
%RSD	.4922937
#1	.2048557
#2	.2028701
#3	.2041226

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4307.546	57427.08	6722.656	3182.466	6224.288
Stddev	6.465	45.98	47.529	5.545	2.857
%RSD	.1500854	.0800732	.7070010	.1742275	.0459046
#1	4306.138	57433.54	6670.670	3177.131	6223.148
#2	4301.901	57469.50	6763.885	3188.199	6222.178
#3	4314.599	57378.21	6733.413	3182.068	6227.540

Sample Name: PB162726BL Acquired: 8/23/2024 11:10:26 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002167	.0017389	-.000724	.0025493	-.001124	-.008460	.0058763
Stddev	.001485	.0008078	.000645	.0023787	.001607	.022801	.0001374
%RSD	68.52568	46.45642	89.09607	93.30931	142.9858	269.5167	2.338757
#1	-.002176	.0023445	-.001327	-.000144	.000663	.003289	.0060281
#2	-.003647	.0008217	-.000043	.004362	-.002451	.006070	.0058406
#3	-.000678	.0020505	-.000802	.003430	-.001583	-.034739	.0057603

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000461	-.000157	.0097313	.0008118	.0002474	.0025214	.0292375
Stddev	.0000446	.000090	.0040368	.0003232	.0001405	.0003370	.0112082
%RSD	96.87758	57.41619	41.48201	39.81166	56.80021	13.36785	38.33524
#1	.0000967	-.000109	.0102227	.0009729	.0003327	.0028667	.0254844
#2	.0000125	-.000100	.0134999	.0004397	.0003244	.0025041	.0203873
#3	.0000290	-.000260	.0054714	.0010229	.0000852	.0021933	.0418406

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004006	.0399257	.0008393	-.000391	.1463224	-.000694	.0017603
Stddev	.0003515	.0415976	.0003748	.000533	.0232717	.003558	.0004178
%RSD	87.73282	104.1876	44.64951	136.0589	15.90443	512.8061	23.73146
#1	.0007354	.0456042	.0006155	-.000958	.1570732	-.004539	.0022156
#2	.0000345	-.004220	.0006306	-.000316	.1196188	-.000025	.0016707
#3	.0004320	.078392	.0012720	.000099	.1622750	.002482	.0013947

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0847274	-.000084	-.000124	.0074889	-.000407	.0009360	-.001484
Stddev	.0370919	.000592	.000143	.0004718	.001126	.0197412	.001113
%RSD	43.77786	702.6340	115.2386	6.300343	276.7910	2109.166	74.99575
#1	.0641173	-.000620	.000038	.0078846	-.001707	-.016571	-.000515
#2	.0625175	-.000183	-.000178	.0076153	.000256	.022332	-.001237
#3	.1275474	.000551	-.000232	.0069667	.000230	-.002953	-.002700

Sample Name: PB162726BL Acquired: 8/23/2024 11:10:26 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001186	.0063319	-.000088
Stddev	.001092	.0026853	.000091
%RSD	92.11574	42.40818	104.1735
#1	-.000331	.0062600	-.000016
#2	-.002417	.0090525	-.000191
#3	-.000811	.0036834	-.000057

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4083.605	60680.17	6555.250	3316.877	5877.676
Stddev	9.776	171.66	44.615	10.029	16.893
%RSD	.2393996	.2828936	.6806046	.3023638	.2874051
#1	4072.425	60700.24	6586.876	3321.357	5858.737
#2	4087.848	60840.92	6574.657	3323.885	5883.100
#3	4090.543	60499.36	6504.218	3305.389	5891.189

Sample Name: P3669-05 Acquired: 8/23/2024 11:14:50 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004229	-.000050	.0111257	.0021830	-.001224	.1374961	.1660695
Stddev	.003360	.000993	.0020412	.0054148	.000691	.0127701	.0014990
%RSD	79.46575	1978.288	18.34667	248.0497	56.50390	9.287586	.9026561
#1	-.007154	-.000377	.0090072	-.004068	-.001750	.1337942	.1648864
#2	-.000558	.001065	.0112903	.005419	-.001480	.1517081	.1655670
#3	-.004974	-.000838	.0130796	.005198	-.000441	.1269859	.1677553

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002470	.0001975	25.26392	.0024463	.0078623	.0100351	1.948108
Stddev	.0000389	.0000914	.17833	.0008262	.0001435	.0004512	.003330
%RSD	15.74719	46.28861	.7058674	33.77435	1.824794	4.495852	.1709596
#1	.0002158	.0001621	25.06407	.0018772	.0078168	.0095427	1.950561
#2	.0002906	.0003014	25.32088	.0020677	.0077470	.0101339	1.944317
#3	.0002346	.0001291	25.40682	.0033939	.0080229	.0104286	1.949447

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8053717	2.893619	.0060113	-.000564	592.8360	-.001297	.1329296
Stddev	.0058378	.022264	.0002540	.000176	4.1160	.003068	.0007558
%RSD	.7248575	.7694261	4.224565	31.14313	.6942854	236.5452	.5685324
#1	.7987884	2.872403	.0060051	-.000642	588.0861	.002241	.1320622
#2	.8074087	2.891652	.0062684	-.000363	595.3529	-.002911	.1332807
#3	.8099181	2.916802	.0057606	-.000687	595.0691	-.003220	.1334460

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.317792	.0108786	.0007092	-.001771	.0011765	.5088822	.1632131
Stddev	.045595	.0003139	.0001211	.000314	.0008708	.0095774	.0014807
%RSD	1.967178	2.885005	17.07601	17.73664	74.01353	1.882039	.9071884
#1	2.270809	.0106000	.0006933	-.002121	.0001913	.5013974	.1644391
#2	2.320706	.0108172	.0005969	-.001513	.0018430	.5196751	.1636322
#3	2.361860	.0112186	.0008375	-.001679	.0014951	.5055742	.1615681

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3669-05 Acquired: 8/23/2024 11:14:50 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.307641	-.000171	.0910480
Stddev	.003620	.004702	.0007325
%RSD	.2768372	2745.786	.8045152
#1	1.310923	-.002278	.0902156
#2	1.303758	.005215	.0913343
#3	1.308242	-.003451	.0915942

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4052.540	56017.47	6968.039	3124.008	5436.832
Stddev	5.351	76.01	29.781	9.095	9.785
%RSD	.1320415	.1356827	.4273896	.2911175	.1799848
#1	4058.713	55978.74	7000.444	3116.198	5441.084
#2	4049.687	56105.04	6961.802	3133.993	5425.639
#3	4049.220	55968.62	6941.870	3121.834	5443.772

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCV02 Acquired: 8/23/2024 11:19:19 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.889173	5.166036	4.929726	4.923253	4.944355	10.04120	9.921675
Stddev	.009621	.054153	.005815	.004215	.007511	.02249	.037805
%RSD	.1967862	1.048260	.1179645	.0856150	.1519161	.2239274	.3810329
#1	4.888053	5.221343	4.928675	4.927357	4.935892	10.06610	9.945766
#2	4.880161	5.163647	4.924508	4.918935	4.946944	10.03512	9.941157
#3	4.899305	5.113116	4.935995	4.923466	4.950229	10.02238	9.878103

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2573177	2.463655	24.98647	1.003542	2.462833	1.235194	5.023581
Stddev	.0011592	.002932	.05445	.002946	.002298	.002168	.035917
%RSD	.4505005	.1190119	.2179112	.2935382	.0932993	.1754979	.7149663
#1	.2586347	2.463284	25.03340	1.006550	2.461963	1.234593	5.053236
#2	.2564521	2.460927	24.99923	1.003413	2.461097	1.233390	5.033861
#3	.2568662	2.466755	24.92677	1.000663	2.465438	1.237599	4.983644

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.486969	24.72773	2.458958	1.272106	25.08393	2.477473	2.539335
Stddev	.009706	.16228	.004044	.000332	.06745	.020758	.004825
%RSD	.3902876	.6562567	.1644728	.0260731	.2689016	.8378746	.1900108
#1	2.493281	24.83019	2.457810	1.272223	25.05175	2.483871	2.541612
#2	2.491833	24.81237	2.455611	1.272364	25.16145	2.494278	2.542601
#3	2.475792	24.54063	2.463452	1.271732	25.03860	2.454268	2.533793

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.16712	5.111674	5.040123	4.946552	4.992648	4.937387	4.853660
Stddev	.16636	.028625	.004053	.003387	.015727	.026950	.010392
%RSD	.6610340	.5599996	.0804081	.0684805	.3149962	.5458419	.2141034
#1	25.09099	5.144028	5.043633	4.949745	5.008100	4.960063	4.842619
#2	25.35793	5.089638	5.035687	4.942999	4.993184	4.944507	4.855112
#3	25.05245	5.101357	5.041047	4.946913	4.976661	4.907592	4.863250

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCV02 Acquired: 8/23/2024 11:19:19 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.704069	4.915447	4.997288
Stddev	.007936	.019492	.013031
%RSD	.1686961	.3965370	.2607651
#1	4.713172	4.924188	5.005542
#2	4.698607	4.929038	4.982266
#3	4.700429	4.893115	5.004057

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4206.760	55646.01	6337.325	3056.826	5855.084
Stddev	11.187	234.66	46.028	2.677	16.715
%RSD	.2659277	.4217063	.7262933	.0875882	.2854857
#1	4198.977	55384.29	6284.194	3054.099	5843.238
#2	4219.580	55716.09	6365.046	3056.927	5874.204
#3	4201.722	55837.65	6362.736	3059.451	5847.811

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCB02 Acquired: 8/23/2024 11:23:30 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007634	-.006908	-.000533	-.002946	-.001939	-.010688
Stddev	.0003940	.000508	.000264	.000694	.000409	.001687
%RSD	51.61099	7.353162	49.56802	23.56267	21.07483	15.78757
#1	.0011966	-.006696	-.000235	-.003481	-.001702	-.012560
#2	.0004264	-.007488	-.000628	-.002162	-.002411	-.010221
#3	.0006672	-.006540	-.000738	-.003196	-.001705	-.009283

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.031584	.0001011	-.000089	-.005090	.0006104	.0001404
Stddev	.025401	.0000310	.000015	.010100	.0001783	.0000502
%RSD	80.42107	30.69579	16.57808	198.4419	29.21257	35.76894
#1	-.002399	.0001342	-.000076	.005933	.0008161	.0001973
#2	-.043658	.0000963	-.000087	-.007302	.0004993	.0001022
#3	-.048696	.0000727	-.000105	-.013901	.0005159	.0001217

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016480	.0037923	.0006352	.0164335	-.000011	-.000293
Stddev	.0001289	.0033292	.0003524	.0092226	.000069	.000203
%RSD	7.820258	87.78829	55.47070	56.12078	653.8511	69.33870
#1	.0015579	.0061205	.0010146	.0125393	.000055	-.000089
#2	.0017956	.0052773	.0005728	.0097968	-.000082	-.000295
#3	.0015905	-.000021	.0003182	.0269645	-.000004	-.000496

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.156790	.0016671	-.000277	.2699324	.0013120	.0001229
Stddev	.010166	.0030623	.000093	.0348678	.0022868	.0000397
%RSD	6.483561	183.6935	33.66368	12.91723	174.3012	32.31995
#1	-.147172	.0024467	-.000212	.3024384	.0039480	.0001227
#2	-.155771	.0042641	-.000384	.2742532	.0001268	.0001628
#3	-.167427	-.001710	-.000235	.2331056	-.000139	.0000833

Sample Name: CCB02 Acquired: 8/23/2024 11:23:30 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB02 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001962	-.000796	-.019567	-.001965	F -.014551	F -.014765
Stddev	.000185	.001118	.002020	.001452	.000157	.010169
%RSD	9.453149	140.5057	10.32177	73.90749	1.076013	68.87154
#1	-.001752	-.000953	-.019767	-.000301	-.014729	-.003110
#2	-.002031	.000392	-.021480	-.002976	-.014432	-.019358
#3	-.002103	-.001827	-.017455	-.002618	-.014493	-.021826

Elem	Sr4077
Units	ppm
Avg	.0000215
Stddev	.0000558
%RSD	258.9940
#1	.0000827
#2	.0000083
#3	-.000026

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	12764.25	188320.7	10973.43	10155.38	20843.13
Stddev	124.87	5813.8	3363.81	148.11	193.72
%RSD	.9782699	3.087172	30.65412	1.458480	.9294319
#1	12880.77	193415.1	7330.42	10235.27	21043.38
#2	12632.44	189559.6	11628.06	10246.41	20656.67
#3	12779.54	181987.3	13961.80	9984.48	20829.34

Sample Name: PB162726BS Acquired: 8/23/2024 11:28:00 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8241568	2.038785	1.001126	2.035336	.8118765	2.054087
Stddev	.0012939	.039894	.002857	.008766	.0019285	.009118
%RSD	.1569941	1.956762	.2853614	.4307116	.2375415	.4438892
#1	.8242420	2.083000	1.002641	2.045144	.8129071	2.063469
#2	.8228224	2.027872	.997830	2.032599	.8130708	2.053533
#3	.8254059	2.005483	1.002906	2.028264	.8096516	2.045258

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2021971	.2055569	.1970323	1.110488	.4064905	.2021912
Stddev	.0012758	.0003831	.0001579	.006084	.0015879	.0003155
%RSD	.6309814	.1863584	.0801645	.5478685	.3906464	.1560542
#1	.2026499	.2059007	.1971063	1.103882	.4081031	.2021343
#2	.2007566	.2056260	.1971396	1.111723	.4049284	.2025314
#3	.2031847	.2051440	.1968509	1.115860	.4064399	.2019081

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3139139	3.048202	.2032984	2.020485	.5041034	.0762599
Stddev	.0008650	.006197	.0002345	.015343	.0006623	.0001949
%RSD	.2755574	.2032873	.1153645	.7593562	.1313769	.2555708
#1	.3129398	3.041084	.2035472	2.035034	.5043686	.0760490
#2	.3142101	3.052390	.2030814	2.004456	.5045920	.0762973
#3	.3145920	3.051133	.2032667	2.021964	.5033496	.0764334

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.070313	.2924685	.2040505	9.868661	.2882665	.4016529
Stddev	.048836	.0025511	.0011490	.057239	.0004208	.0005036
%RSD	1.590581	.8722807	.5630892	.5800080	.1459836	.1253878
#1	3.016270	.2930391	.2041256	9.802583	.2886161	.4021284
#2	3.083389	.2946861	.2028658	9.902964	.2883841	.4017049
#3	3.111280	.2896804	.2051601	9.900436	.2877994	.4011252

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162726BS Acquired: 8/23/2024 11:28:00 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6966741	.1936678	F .6642258	5.893090	F -.008580	.1890495
Stddev	.0013119	.0016150	.0102241	.019550	.002450	.0023951
%RSD	.1883150	.8339146	1.539251	.3317474	28.55803	1.266899
#1	.6971817	.1919144	.6581155	5.915175	-.010824	.1870965
#2	.6976564	.1950945	.6760291	5.886097	-.005965	.1917217
#3	.6951842	.1939946	.6585328	5.877998	-.008949	.1883301

Elem	Sr4077
Units	ppm
Avg	.1934818
Stddev	.0008111
%RSD	.4192032
#1	.1941681
#2	.1936904
#3	.1925867

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4203.573	58423.06	6641.133	3235.465	6025.175
Stddev	4.398	44.52	14.935	11.714	7.353
%RSD	.1046353	.0762045	.2248843	.3620555	.1220401
#1	4198.524	58472.50	6633.579	3247.129	6016.698
#2	4205.622	58386.15	6631.484	3235.564	6029.004
#3	4206.574	58410.51	6658.336	3223.701	6029.824

Sample Name: PB162556TBRE Acquired: 8/23/2024 11:32:07 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003626	-.003065	.0002074	.0040258	-.001917	.0003195
Stddev	.000735	.000540	.0007449	.0008069	.001309	.0125748
%RSD	20.26038	17.63068	359.0993	20.04364	68.31654	3936.065
#1	-.004322	-.002944	.0007818	.0032453	-.001827	.0101248
#2	-.003698	-.003655	.0004746	.0048568	-.003268	.0046914
#3	-.002858	-.002595	-.000634	.0039753	-.000654	-.013858

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058632	-.000177	-.000233	.0276943	F .0405040	.0003882
Stddev	.0022114	.000032	.000004	.0068891	.0002971	.0002951
%RSD	37.71635	18.16608	1.668564	24.87561	.7334122	76.01185
#1	.0044801	-.000203	-.000236	.0285972	.0408298	.0000496
#2	.0084136	-.000141	-.000235	.0340874	.0402482	.0005248
#3	.0046957	-.000187	-.000229	.0203982	.0404338	.0005902

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060037	F .1259936	.0024235	.0130693	.0270554	-.001023
Stddev	.0003302	.0045152	.0002331	.0322897	.0000795	.000364
%RSD	5.499479	3.583672	9.617596	247.0644	.2936578	35.58429
#1	.0061594	.1305433	.0022729	-.001091	.0271397	-.001419
#2	.0062271	.1259238	.0026919	-.009721	.0269819	-.000704
#3	.0056244	.1215137	.0023055	.050020	.0270447	-.000945

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.171361	-.001765	.0068785	-.200534	.0014050	.0009115
Stddev	.012054	.004046	.0001427	.034032	.0010490	.0002312
%RSD	7.034150	229.1720	2.074098	16.97085	74.66124	25.36567
#1	-.164711	.002844	.0068444	-.237200	.0002697	.0007102
#2	-.164097	-.003412	.0070351	-.194442	.0016070	.0008602
#3	-.185275	-.004728	.0067559	-.169959	.0023383	.0011640

Sample Name: PB162556TBRE Acquired: 8/23/2024 11:32:07 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001010	.0019289	.0090215	.0062915	F 17.09599	-.000308
Stddev	.000869	.0024307	.0219666	.0002709	.05546	.002802
%RSD	86.00718	126.0173	243.4931	4.305070	.3244136	908.9782
#1	-.000998	.0011397	.0330942	.0065494	17.03209	.001021
#2	-.000147	-.000009	-.009937	.0063158	17.13156	.001581
#3	-.001884	.004656	.003907	.0060094	17.12434	-.003527

Elem	Sr4077
Units	ppm
Avg	-.000162
Stddev	.000016
%RSD	10.12861
#1	-.000148
#2	-.000158
#3	-.000180

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4209.548	57667.20	6539.316	3157.104	6212.636
Stddev	10.360	247.25	53.678	14.119	9.911
%RSD	.2460960	.4287593	.8208461	.4472056	.1595288
#1	4198.521	57899.39	6526.027	3159.336	6202.538
#2	4211.046	57407.23	6598.390	3142.002	6213.021
#3	4219.077	57694.97	6493.530	3169.974	6222.348

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3461-04 Acquired: 8/23/2024 11:36:29 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005541	-.000166	1.026850	-.001587	.0027875	.4265690	.5146792
Stddev	.002468	.000250	.001131	.002501	.0010122	.0146195	.0017963
%RSD	44.52915	150.0472	.1101918	157.6049	36.31128	3.427229	.3490132
#1	-.007984	-.000080	1.026121	-.004026	.0020382	.4315415	.5154094
#2	-.003050	-.000448	1.028154	.000971	.0039389	.4101118	.5126328
#3	-.005590	.000029	1.026276	-.001705	.0023853	.4380536	.5159954

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001790	.0108238	23.50297	.0052918	.0078449	2.000156	.2352987
Stddev	.0000481	.0000264	.03011	.0002256	.0001361	.002259	.0076179
%RSD	26.84760	.2441395	.1281091	4.262226	1.735420	.1129627	3.237562
#1	.0001423	.0108431	23.50848	.0055497	.0077774	1.999595	.2437110
#2	.0002334	.0107937	23.47049	.0051944	.0077557	1.998229	.2333192
#3	.0001613	.0108347	23.52995	.0051313	.0080016	2.002643	.2288659

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6313591	1.971836	.0147214	-.001018	642.8298	.0009217	6.241718
Stddev	.0018670	.005243	.0003133	.000205	1.9059	.0019791	.004526
%RSD	.2957081	.2659002	2.128159	20.12573	.2964886	214.7270	.0725154
#1	.6320162	1.974548	.0145362	-.001087	640.7713	-.000298	6.246657
#2	.6292524	1.975168	.0145448	-.000788	644.5333	.003205	6.240729
#3	.6328087	1.965793	.0150831	-.001180	643.1848	-.000142	6.237769

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.456686	.0945711	-.000609	.0000719	.0015570	.9016734	.0434592
Stddev	.050121	.0010469	.000444	.0005127	.0030981	.0148677	.0015087
%RSD	3.440785	1.106956	72.80898	713.3320	198.9811	1.648895	3.471602
#1	1.476927	.0952560	-.000983	-.000240	.0019319	.9090160	.0437523
#2	1.399610	.0950913	-.000725	-.000208	.0044506	.9114413	.0418255
#3	1.493522	.0933660	-.000119	.000664	-.001712	.8845629	.0448000

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3461-04 Acquired: 8/23/2024 11:36:29 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.932732	-.000183	.0922193
Stddev	.004226	.003051	.0001605
%RSD	.2186376	1664.334	.1740213
#1	1.937367	-.000495	.0921136
#2	1.931732	-.003067	.0921402
#3	1.929095	.003012	.0924039

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4086.313	55971.43	6768.170	3106.220	5474.447
Stddev	6.300	293.59	26.900	20.194	5.256
%RSD	.1541661	.5245407	.3974504	.6501217	.0960164
#1	4086.757	56265.24	6797.576	3124.575	5479.720
#2	4092.379	55971.00	6744.801	3109.497	5474.414
#3	4079.803	55678.06	6762.134	3084.587	5469.208

Sample Name: P3669-01 Acquired: 8/23/2024 11:40:57 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0094806	.0131294	.2447395	-.017312	.0074163	105.3646	.4131581
Stddev	.0022795	.0001090	.0034696	.002877	.0019149	.1872	.0029343
%RSD	24.04362	.8300279	1.417667	16.61887	25.82092	.1776285	.7102034
#1	.0089989	.0132534	.2482445	-.017125	.0053054	105.2226	.4152333
#2	.0119624	.0130489	.2413064	-.020278	.0090420	105.2944	.4144400
#3	.0074805	.0130859	.2446676	-.014533	.0079014	105.5767	.4098010

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0071226	-.002318	37.87421	.1899602	.1144586	.2888251	220.2150
Stddev	.0000263	.000079	.08831	.0004097	.0003623	.0019698	.5125
%RSD	.3695922	3.422938	.2331613	.2156913	.3165482	.6820175	.2327339
#1	.0071476	-.002240	37.89492	.1899853	.1147017	.2884036	219.7370
#2	.0070951	-.002316	37.77739	.1903567	.1140422	.2871002	220.7562
#3	.0071252	-.002398	37.95033	.1895384	.1146320	.2909716	220.1517

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.964933	53.67323	.2384502	.0065334	1.596319	.2358250	.8972476
Stddev	.005991	.14632	.0010867	.0003621	.017926	.0013543	.0007855
%RSD	.2020714	.2726178	.4557340	5.541719	1.122948	.5742951	.0875464
#1	2.970967	53.77113	.2383296	.0065282	1.576157	.2342646	.8978003
#2	2.964848	53.74353	.2374288	.0068981	1.610454	.2365154	.8963484
#3	2.958985	53.50502	.2395921	.0061740	1.602347	.2366949	.8975942

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.95519	-.011687	.0033293	.0099168	3.375747	9.836962	6.479903
Stddev	.04798	.003191	.0001625	.0000907	.007561	.021725	.013431
%RSD	.4013553	27.30712	4.881937	.9147625	.2239856	.2208533	.2072683
#1	11.90039	-.015031	.0031472	.0099062	3.383567	9.817582	6.487989
#2	11.98965	-.011358	.0034595	.0098318	3.375199	9.860447	6.464399
#3	11.97553	-.008673	.0033812	.0100123	3.368474	9.832858	6.487321

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3669-01 Acquired: 8/23/2024 11:40:57 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	3.260265	.1823557	-.114932
Stddev	.009952	.0019929	.000676
%RSD	.3052544	1.092874	.5884875
#1	3.271705	.1823327	-.114157
#2	3.253604	.1843600	-.115400
#3	3.255485	.1803744	-.115240

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4365.613	65381.35	7208.510	3581.025	5343.864
Stddev	9.684	86.21	28.379	4.281	18.890
%RSD	.2218250	.1318626	.3936822	.1195343	.3534823
#1	4357.888	65330.73	7175.953	3585.796	5336.196
#2	4376.477	65332.42	7221.575	3579.759	5365.381
#3	4362.472	65480.90	7228.004	3577.520	5330.013

Sample Name: PB162869BL Acquired: 8/23/2024 11:45:10 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000129	.0008398	.0001935	.0008555	-.001964	-.006602	.0075260
Stddev	.001860	.0012880	.0010941	.0031162	.002567	.011308	.0007680
%RSD	1436.338	153.3799	565.5572	364.2733	130.7207	171.2685	10.20424
#1	-.001845	-.000006	.0014551	.0007947	-.004212	-.019456	.0076962
#2	-.000391	.000204	-.000380	-.002230	-.002511	.001813	.0081947
#3	.001847	.002322	-.000495	.004002	.000833	-.002164	.0066873

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000991	-.000084	.0158761	.0002037	.0004514	-.000190	.0044116
Stddev	.0000099	.000061	.0167234	.0007549	.0002939	.000064	.0055097
%RSD	10.00808	72.92039	105.3372	370.5371	65.11137	33.73044	124.8910
#1	.0001043	-.000053	.0342171	.0007357	.0002293	-.000144	.0073285
#2	.0000877	-.000044	.0119379	.0005358	.0007847	-.000163	-.001943
#3	.0001054	-.000155	.0014732	-.000660	.0003403	-.000263	.007850

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002255	.0129547	-.000294	-.000511	.1900166	.0085423	.0004135
Stddev	.0006080	.0220271	.000122	.000573	.0307807	.0035842	.0004111
%RSD	269.6181	170.0322	41.57047	112.0856	16.19897	41.95788	99.43888
#1	-.000429	.0090408	-.000427	.000131	.1547305	.0114390	.0006824
#2	.000333	-.006853	-.000186	-.000971	.2039689	.0096539	.0006178
#3	.000773	.036676	-.000270	-.000693	.2113503	.0045340	-.000060

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1787963	-.000347	.0000603	.0004214	.0007902	-.009334	-.001074
Stddev	.0528239	.001589	.0001598	.0003555	.0020260	.008741	.002641
%RSD	29.54420	458.4396	265.0648	84.36687	256.4004	93.64399	245.9156
#1	.1263812	-.000950	.0001098	.0005168	.0030736	-.012019	.001875
#2	.1779881	-.001546	.0001895	.0007195	-.000792	-.016417	-.001875
#3	.2320198	.001456	-.000118	.0000279	.000089	.000434	-.003222

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162869BL Acquired: 8/23/2024 11:45:10 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001478	.0030342	-.000048
Stddev	.003471	.0060231	.000156
%RSD	234.9118	198.5065	326.7251
#1	-.003327	-.003455	-.000146
#2	.002527	.004112	.000132
#3	-.003633	.008446	-.000130

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4062.095	60413.78	6457.648	3331.775	5831.431
Stddev	10.528	452.46	35.374	20.256	9.699
%RSD	.2591838	.7489404	.5477822	.6079756	.1663284
#1	4051.476	60120.35	6448.993	3321.290	5820.788
#2	4062.278	60186.14	6427.405	3318.911	5833.733
#3	4072.530	60934.86	6496.546	3355.125	5839.772

Sample Name: PB162869BS Acquired: 8/23/2024 11:49:34 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8553827	2.093734	1.020519	2.130849	.8285048	2.015721
Stddev	.0032357	.038157	.002278	.005463	.0028750	.019508
%RSD	.3782720	1.822454	.2232437	.2563850	.3470080	.9678016
#1	.8516494	2.051141	1.018585	2.125399	.8251982	2.035799
#2	.8573778	2.105264	1.019942	2.130823	.8299027	1.996837
#3	.8571208	2.124796	1.023031	2.136325	.8304135	2.014527

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2064586	.2031855	.2017675	1.118839	.3997380	.2061510
Stddev	.0009355	.0017871	.0004190	.008948	.0003126	.0003592
%RSD	.4531296	.8795364	.2076746	.7997185	.0782057	.1742399
#1	.2054963	.2025207	.2020501	1.110581	.3998422	.2060194
#2	.2073648	.2018260	.2012861	1.128345	.3999852	.2058761
#3	.2065146	.2052097	.2019664	1.117590	.3993866	.2065574

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3208592	2.990027	.2056059	2.032621	.5171987	.0746616
Stddev	.0001279	.024425	.0014781	.021161	.0003298	.0003636
%RSD	.0398761	.8168910	.7189254	1.041046	.0637753	.4869398
#1	.3209862	3.005965	.2062792	2.022456	.5175065	.0750510
#2	.3207303	3.002209	.2039109	2.056946	.5168505	.0743310
#3	.3208612	2.961906	.2066275	2.018461	.5172392	.0746030

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.854112	.2910180	.2012605	9.552477	.2802257	.4029679
Stddev	.015953	.0039380	.0000324	.070749	.0021621	.0010515
%RSD	.5589488	1.353191	.0160788	.7406311	.7715584	.2609260
#1	2.865471	.2954911	.2012381	9.633159	.2791710	.4018171
#2	2.860991	.2880735	.2012459	9.501037	.2787932	.4032081
#3	2.835873	.2894892	.2012976	9.523236	.2827127	.4038784

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162869BS Acquired: 8/23/2024 11:49:34 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7012194	.1947422	F .6385123	6.079963	F -.009128	.1800081
Stddev	.0011718	.0007269	.0078794	.019736	.001997	.0074192
%RSD	.1671022	.3732368	1.234033	.3246013	21.87485	4.121611
#1	.7001316	.1955814	.6433656	6.060210	-.008420	.1838261
#2	.7010666	.1943098	.6427504	6.079999	-.007581	.1714574
#3	.7024601	.1943355	.6294208	6.099681	-.011382	.1847408

Elem	Sr4077
Units	ppm
Avg	.1951424
Stddev	.0005059
%RSD	.2592507
#1	.1956648
#2	.1951076
#3	.1946548

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4041.278	61736.99	6800.541	3342.895	5752.844
Stddev	5.812	414.26	50.234	24.161	9.934
%RSD	.1438039	.6710100	.7386813	.7227586	.1726830
#1	4041.016	61261.58	6784.653	3315.608	5742.514
#2	4035.603	61928.87	6856.798	3351.505	5753.691
#3	4047.217	62020.52	6760.172	3361.572	5762.328

Sample Name: P3684-03 Acquired: 8/23/2024 11:53:44 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017311	.0007526	.0012503	.0051782	.0037240	.1140210	.2876862
Stddev	.0020776	.0011256	.0013539	.0004418	.0010333	.0138773	.0023297
%RSD	120.0157	149.5552	108.2866	8.531251	27.74752	12.17086	.8098193
#1	.0040420	-.000404	.0009040	.0049237	.0032871	.1208701	.2903734
#2	.0011339	.001844	.0001032	.0049227	.0029808	.0980506	.2862344
#3	.0000175	.000818	.0027438	.0056884	.0049039	.1231422	.2864507

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000137	-.000053	6.481002	.0053345	-.000016	.0078286	.6563145
Stddev	.0000446	.000052	.033686	.0001540	.000119	.0001645	.0116200
%RSD	326.4570	98.00399	.5197729	2.887467	733.3047	2.100763	1.770490
#1	-.000006	-.000019	6.518942	.0053903	.000032	.0077472	.6429921
#2	.000065	-.000113	6.469462	.0054528	.000072	.0080179	.6643579
#3	-.000018	-.000027	6.454602	.0051603	-.000152	.0077208	.6615935

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0411518	.4317659	.0032678	-.000803	663.5196	-.002007	5.979417
Stddev	.0005060	.0273291	.0003316	.000433	8.0497	.005425	.007791
%RSD	1.229667	6.329621	10.14720	53.92859	1.213175	270.2997	.1302963
#1	.0405987	.4514268	.0032233	-.001132	665.1933	.002190	5.982638
#2	.0415916	.4433123	.0029606	-.000312	654.7647	-.008132	5.970531
#3	.0412651	.4005586	.0036193	-.000964	670.6008	-.000079	5.985080

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.47640	.1202848	.2406654	-.000410	-.000580	.1783232	.5214352
Stddev	.08027	.0016782	.0000230	.000502	.001284	.0123174	.0011727
%RSD	.5545076	1.395215	.0095709	122.5941	221.2831	6.907336	.2249017
#1	14.50385	.1209933	.2406393	-.000850	-.001489	.1653962	.5222418
#2	14.53935	.1183686	.2406740	-.000515	.000889	.1899236	.5200900
#3	14.38601	.1214927	.2406829	.000137	-.001142	.1796497	.5219739

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3684-03 Acquired: 8/23/2024 11:53:44 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	3.204614	.0045802	.0211001
Stddev	.006077	.0069083	.0000656
%RSD	.1896434	150.8304	.3107802
#1	3.208841	.0084111	.0210926
#2	3.207351	.0087243	.0211691
#3	3.197649	-.003395	.0210386

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4026.192	55203.43	6870.869	3071.455	5405.567
Stddev	10.574	120.02	49.002	7.933	13.138
%RSD	.2626398	.2174090	.7131889	.2582882	.2430369
#1	4014.054	55065.51	6825.604	3065.413	5391.459
#2	4031.116	55284.09	6922.904	3080.439	5407.794
#3	4033.407	55260.70	6864.099	3068.513	5417.449

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3684-04 Acquired: 8/23/2024 11:58:11 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0435009	-.002105	.0006241	.0011701	-.000952	.2513669
Stddev	.0032773	.001204	.0007727	.0032992	.000276	.0069405
%RSD	7.533791	57.18063	123.8084	281.9636	28.99912	2.761117
#1	.0404363	-.001659	.0003406	.0040216	-.001201	.2593174
#2	.0431106	-.001188	.0000332	.0019320	-.001000	.2465176
#3	.0469559	-.003468	.0014984	-.002443	-.000655	.2482659

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6960484	.0033053	.0012917	55.44090	.0020257	.0135612
Stddev	.0034786	.0000367	.0000885	.24908	.0003766	.0003332
%RSD	.4997704	1.109899	6.851225	.4492725	18.59057	2.457136
#1	.6921307	.0032636	.0012825	55.16986	.0023440	.0133340
#2	.6972396	.0033200	.0012082	55.65975	.0021231	.0134058
#3	.6987750	.0033324	.0013845	55.49311	.0016099	.0139437

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0083462	.2217939	.4706708	27.56197	.0209297	-.000600
Stddev	.0008347	.0052607	.0011555	.16871	.0000986	.000451
%RSD	10.00034	2.371891	.2454937	.6121039	.4709268	75.06275
#1	.0075065	.2213333	.4693475	27.43350	.0208936	-.000484
#2	.0083564	.2167786	.4714799	27.75303	.0210412	-.001098
#3	.0091757	.2272697	.4711848	27.49938	.0208542	-.000219

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	925.2436	.0103861	.5799743	26.24179	.2832099	.0010899
Stddev	7.8047	.0041641	.0030495	.32444	.0052085	.0004987
%RSD	.8435257	40.09262	.5258035	1.236330	1.839111	45.75523
#1	917.7985	.0097097	.5827212	26.20304	.2822003	.0006942
#2	924.5684	.0066017	.5805089	25.93847	.2888493	.0016501
#3	933.3639	.0148470	.5766928	26.58386	.2785800	.0009255

Sample Name: P3684-04 Acquired: 8/23/2024 11:58:11 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002404	.0005412	F 10.96341	.2259339	7.969232	.0392027
Stddev	.000799	.0013857	.14625	.0051452	.077963	.0038554
%RSD	33.23692	256.0332	1.333943	2.277311	.9782941	9.834587
#1	-.002616	-.001050	10.99431	.2264149	7.903809	.0348077
#2	-.001520	.001191	10.80419	.2205651	7.948390	.0420142
#3	-.003075	.001482	11.09174	.2308217	8.055498	.0407863

Elem	Sr4077
Units	ppm
Avg	.5116213
Stddev	.0023608
%RSD	.4614366
#1	.5088953
#2	.5129741
#3	.5129945

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3898.943	53478.77	6876.185	2994.530	5161.754
Stddev	19.033	97.66	87.400	9.763	27.571
%RSD	.4881672	.1826154	1.271048	.3260406	.5341330
#1	3914.457	53591.22	6927.512	2989.681	5185.823
#2	3904.668	53429.90	6775.270	3005.768	5167.766
#3	3877.704	53415.19	6925.774	2988.139	5131.674

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3684-06 Acquired: 8/23/2024 12:02:37 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.008641	.0035349	.0516810	-.003056	.0094223	.0766070
Stddev	.001931	.0028154	.0000884	.001574	.0029387	.0286844
%RSD	22.34224	79.64501	.1709954	51.51464	31.18853	37.44359
#1	-.006741	.0060775	.0516627	-.001406	.0064502	.0604901
#2	-.008581	.0040180	.0516032	-.003219	.0094903	.0596059
#3	-.010601	.0005093	.0517771	-.004542	.0123264	.1097249

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4782020	.0006871	.0006789	309.4690	.0050992	.0194481
Stddev	.0005837	.0000509	.0000804	.2846	.0007645	.0002829
%RSD	.1220726	7.414278	11.84414	.0919488	14.99274	1.454494
#1	.4775594	.0007068	.0006796	309.1788	.0044878	.0195460
#2	.4786996	.0006292	.0005982	309.4807	.0059563	.0191292
#3	.4783471	.0007252	.0007590	309.7475	.0048534	.0196689

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0041750	57.10267	.8159693	11.17029	.1086940	.0013700
Stddev	.0009310	.52066	.0012735	.03921	.0004360	.0001681
%RSD	22.29850	.9117990	.1560682	.3510341	.4011096	12.27321
#1	.0041324	57.31039	.8150256	11.16318	.1086887	.0011810
#2	.0032661	57.48740	.8174178	11.21257	.1082607	.0015032
#3	.0051266	56.51021	.8154646	11.13512	.1091326	.0014257

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	817.5584	.0183537	6.078284	25.95521	.2149762	.0035079
Stddev	5.2353	.0011644	.016973	.25054	.0004998	.0008256
%RSD	.6403614	6.344325	.2792345	.9652603	.2324746	23.53578
#1	813.7941	.0189026	6.058974	26.05041	.2155453	.0035781
#2	823.5370	.0191422	6.085043	26.14419	.2147747	.0026495
#3	815.3440	.0170163	6.090836	25.67103	.2146087	.0042962

Sample Name: P3684-06 Acquired: 8/23/2024 12:02:37 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001888	-.004201	2.630547	.0660560	F 23.60422	.0823257
Stddev	.000494	.001088	.036314	.0016366	.17510	.0071892
%RSD	26.17825	25.90418	1.380479	2.477599	.7418236	8.732612
#1	-.001860	-.005442	2.637890	.0654595	23.45840	.0795377
#2	-.002395	-.003748	2.662628	.0679071	23.55583	.0769481
#3	-.001408	-.003411	2.591123	.0648012	23.79843	.0904913

Elem	Sr4077
Units	ppm
Avg	5.445408
Stddev	.017643
%RSD	.3239933
#1	5.454334
#2	5.456804
#3	5.425086

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3874.510	54859.61	6784.899	3013.323	5124.941
Stddev	8.219	250.67	41.233	19.128	8.997
%RSD	.2121249	.4569344	.6077232	.6347848	.1755545
#1	3876.199	54847.88	6818.290	3025.971	5128.427
#2	3881.753	54615.01	6797.596	2991.317	5131.673
#3	3865.578	55115.94	6738.810	3022.680	5114.723

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3685-02 Acquired: 8/23/2024 12:07:10 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004466	.0008765	.0078556	.0002632	-.000958	-.013934	.3968900
Stddev	.002367	.0001330	.0021417	.0007048	.000939	.018920	.0048961
%RSD	53.01250	15.17699	27.26353	267.7922	97.97624	135.7788	1.233625
#1	-.002045	.0007309	.0065139	.0000786	-.000202	-.035274	.3930309
#2	-.006776	.0009918	.0067274	.0010419	-.000664	.000786	.3952416
#3	-.004576	.0009067	.0103256	-.000331	-.002008	-.007315	.4023977

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000688	.0016731	138.9152	.0024644	.0134237	.0216929	.8510406
Stddev	.0000078	.0001039	.9237	.0002686	.0001193	.0003469	.0120660
%RSD	11.41252	6.210256	.6649133	10.90014	.8885107	1.598906	1.417791
#1	.0000607	.0016225	138.4489	.0026178	.0134789	.0213502	.8646537
#2	.0000764	.0016041	138.3177	.0026212	.0135054	.0216849	.8416649
#3	.0000692	.0017926	139.9791	.0021542	.0132868	.0220437	.8468031

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.708511	13.96733	.0197124	-.000841	590.4909	.0006170	.2298090
Stddev	.013533	.11296	.0005245	.000176	4.2909	.0010856	.0014123
%RSD	.7920678	.8087786	2.660724	20.91355	.7266650	175.9521	.6145390
#1	1.701764	13.88022	.0191187	-.000939	585.6406	.0015087	.2311372
#2	1.699678	13.92679	.0201126	-.000946	592.0402	-.000592	.2299644
#3	1.724090	14.09497	.0199060	-.000638	593.7921	.000934	.2283255

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.030617	.0670830	.0004730	-.002257	-.001852	.9471496	.0006725
Stddev	.028434	.0004549	.0000885	.000271	.002488	.0043042	.0042686
%RSD	1.400256	.6780594	18.71968	12.00982	134.3402	.4544406	634.7901
#1	2.029618	.0667071	.0005743	-.002360	-.003798	.9520748	-.002876
#2	2.059538	.0675887	.0004344	-.002461	-.002710	.9441103	-.000516
#3	2.002696	.0669534	.0004103	-.001949	.000952	.9452635	.005409

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3685-02 Acquired: 8/23/2024 12:07:10 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.376613	.0105267	.2970278
Stddev	.007866	.0058474	.0024561
%RSD	.5714284	55.54811	.8269016
#1	1.385201	.0051905	.2954027
#2	1.374880	.0167774	.2958274
#3	1.369758	.0096121	.2998533

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3990.541	56036.08	6627.805	3086.971	5280.638
Stddev	10.301	52.57	60.417	8.873	17.666
%RSD	.2581310	.0938148	.9115620	.2874219	.3345485
#1	3978.739	56048.21	6655.999	3076.967	5260.246
#2	3997.721	55978.51	6668.970	3090.059	5291.297
#3	3995.164	56081.53	6558.445	3093.887	5290.372

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCV03 Acquired: 8/23/2024 12:11:36 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.020610	5.176522	4.962744	5.078003	5.015866	9.958597	9.896881
Stddev	.010170	.053159	.014703	.019655	.018104	.008315	.011026
%RSD	.2025689	1.026929	.2962663	.3870519	.3609258	.0834936	.1114046
#1	5.032317	5.214828	4.979214	5.096441	5.036755	9.961791	9.907452
#2	5.015555	5.198907	4.958076	5.080242	5.006115	9.964840	9.897739
#3	5.013957	5.115831	4.950941	5.057324	5.004728	9.949158	9.885451

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2520580	2.494667	24.95468	.9966308	2.484079	1.254323	4.995419
Stddev	.0013338	.003501	.05555	.0048540	.003093	.002938	.040059
%RSD	.5291430	.1403514	.2226089	.4870416	.1245141	.2341911	.8019092
#1	.2508250	2.498622	25.01844	.9910563	2.487004	1.257688	5.014603
#2	.2534737	2.493415	24.91674	.9989133	2.484390	1.252267	4.949376
#3	.2518752	2.491964	24.92885	.9999229	2.480842	1.253016	5.022279

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.487736	24.70474	2.488118	1.254833	25.69627	2.475045	2.501865
Stddev	.005384	.06959	.003702	.002745	.12668	.011270	.009907
%RSD	.2164390	.2817058	.1487711	.2187280	.4929883	.4553450	.3959899
#1	2.492585	24.78492	2.492354	1.252526	25.81918	2.487150	2.507622
#2	2.488681	24.66933	2.486494	1.254106	25.56613	2.473130	2.507548
#3	2.481941	24.65996	2.485505	1.257869	25.70349	2.464855	2.490425

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.59690	5.004553	5.037657	5.000128	4.969339	4.845825	5.080894
Stddev	.17222	.033763	.014597	.016289	.012510	.017927	.007184
%RSD	.6728082	.6746509	.2897588	.3257652	.2517408	.3699433	.1413876
#1	25.63928	4.971914	5.053926	5.012588	4.983759	4.865946	5.079828
#2	25.40744	5.039338	5.033339	5.006099	4.962856	4.831555	5.088551
#3	25.74397	5.002406	5.025707	4.981696	4.961401	4.839973	5.074302

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCV03 Acquired: 8/23/2024 12:11:36 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.897239	4.833859	4.974509
Stddev	.008034	.006551	.057175
%RSD	.1640419	.1355194	1.149360
#1	4.906457	4.833431	4.919066
#2	4.893529	4.827533	5.033271
#3	4.891730	4.840614	4.971191

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4122.142	57920.69	6544.197	3168.209	5714.759
Stddev	21.482	166.76	34.315	5.034	29.447
%RSD	.5211264	.2879054	.5243549	.1589029	.5152747
#1	4098.064	58001.37	6579.663	3162.672	5683.136
#2	4129.019	58031.77	6511.163	3169.443	5719.749
#3	4139.342	57728.94	6541.766	3172.511	5741.391

Sample Name: CCB03 Acquired: 8/23/2024 12:15:46 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000582	-.001034	.0002672	.0013118	-.001136	.0072820	.0034704
Stddev	.001884	.001709	.0017483	.0016866	.001057	.0025962	.0028146
%RSD	323.6201	165.3043	654.4067	128.5750	93.07718	35.65231	81.10230
#1	-.002691	.000274	-.000221	.0029325	.000085	.0068642	.0057990
#2	.000933	-.000408	-.001185	.0014367	-.001726	.0049200	.0042695
#3	.000012	-.002967	.002208	-.000434	-.001766	.0100618	.0003427

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000178	-.000061	.0167772	.0004390	.0002202	.0001325	.0003859
Stddev	.0000120	.000042	.0111864	.0003593	.0001233	.0002324	.0039075
%RSD	67.13394	68.41417	66.67618	81.84720	56.01854	175.3858	1012.545
#1	.0000089	-.000013	.0129569	.0003113	.0001105	-.000040	.0045461
#2	.0000131	-.000084	.0293733	.0008448	.0003537	.000041	-.003207
#3	.0000314	-.000086	.0080014	.0001610	.0001963	.000397	-.000181

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004182	.0172492	.0002281	-.000578	.5612000	-.003424	.0011492
Stddev	.0002834	.0127374	.0001223	.000398	.0198075	.005549	.0003926
%RSD	67.76944	73.84347	53.62657	68.81453	3.529496	162.0540	34.16441
#1	.0004372	.0151438	.0000873	-.000141	.5384333	.002518	.0014645
#2	.0006915	.0056956	.0003076	-.000674	.5706872	-.004318	.0007094
#3	.0001257	.0309081	.0002896	-.000920	.5744795	-.008472	.0012735

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5502755	.0050640	.0001790	.0077715	-.000598	.0014547	-.000882
Stddev	.0394294	.0005868	.0001716	.0006634	.000303	.0112602	.000993
%RSD	7.165388	11.58683	95.88647	8.535972	50.74439	774.0377	112.5641
#1	.5092089	.0047904	.0003633	.0070855	-.000622	-.001855	.000246
#2	.5537843	.0057376	.0000237	.0078192	-.000889	-.007779	-.001266
#3	.5878331	.0046640	.0001500	.0084096	-.000283	.013999	-.001625

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCB03 Acquired: 8/23/2024 12:15:46 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001823	-.000001	-.000078
Stddev	.001560	.006576	.000057
%RSD	85.52631	475981.0	73.71157
#1	-.000528	.003006	-.000096
#2	-.003554	.004534	-.000014
#3	-.001388	-.007544	-.000124

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4150.216	60137.46	6794.392	3324.352	5957.031
Stddev	12.635	114.28	45.164	3.057	14.475
%RSD	.3044496	.1900251	.6647205	.0919507	.2429963
#1	4138.671	60015.36	6749.153	3320.891	5945.794
#2	4148.264	60241.84	6794.544	3326.681	5951.933
#3	4163.714	60155.18	6839.480	3325.484	5973.365

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3704-03A Acquired: 8/23/2024 12:20:10 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8909891	2.031909	1.032010	2.192620	.8379494	2.340334	.8791368
Stddev	.0057879	.008362	.009648	.011093	.0071950	.009563	.0035146
%RSD	.6496074	.4115434	.9348695	.5059047	.8586435	.4086045	.3997842
#1	.8963838	2.035316	1.036914	2.203838	.8430511	2.331578	.8751730
#2	.8917085	2.038030	1.038220	2.192364	.8410772	2.338885	.8803642
#3	.8848751	2.022381	1.020895	2.181657	.8297199	2.350538	.8818731

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2045971	.2114687	61.68458	.4182510	.2164837	.3289332	3.235961
Stddev	.0022731	.0019397	.16132	.0009287	.0018664	.0025427	.029033
%RSD	1.110990	.9172459	.2615188	.2220398	.8621279	.7730063	.8971838
#1	.2021132	.2132143	61.49936	.4174160	.2179839	.3312806	3.257162
#2	.2051045	.2118112	61.76010	.4180857	.2170735	.3292867	3.247850
#3	.2065736	.2093806	61.79428	.4192512	.2143937	.3262323	3.202871

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5896758	15.61543	.5390738	.0776652	654.5095	.3108272	1.585092
Stddev	.0019245	.09464	.0058774	.0004818	4.8432	.0060182	.006404
%RSD	.3263576	.6060563	1.090273	.6203831	.7399708	1.936199	.4040246
#1	.5874628	15.51589	.5435572	.0771160	658.5622	.3040798	1.579743
#2	.5906076	15.70426	.5412442	.0780171	655.8207	.3127609	1.583345
#3	.5909569	15.62614	.5324199	.0778625	649.1458	.3156409	1.592189

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.11811	.3131078	.4172846	.7389163	.1990663	4.762334	6.821231
Stddev	.13231	.0039118	.0034409	.0058072	.0007634	.012443	.058940
%RSD	.9371336	1.249354	.8245919	.7859114	.3835011	.2612711	.8640632
#1	14.11882	.3091238	.4201372	.7430377	.1988379	4.775236	6.865601
#2	14.25006	.3132565	.4182534	.7414364	.1984432	4.761360	6.843738
#3	13.98545	.3169432	.4134631	.7322747	.1999179	4.750408	6.754354

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3704-03A Acquired: 8/23/2024 12:20:10 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.7285814	.2036976	.6732685
Stddev	.0051296	.0022822	.0027344
%RSD	.7040546	1.120381	.4061408
#1	.7307063	.2011919	.6701251
#2	.7323072	.2056572	.6750977
#3	.7227308	.2042438	.6745828

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3921.864	55605.96	6560.140	3104.181	5216.051
Stddev	31.260	134.20	39.304	9.572	46.330
%RSD	.7970592	.2413410	.5991280	.3083484	.8882243
#1	3889.829	55459.76	6601.234	3095.160	5171.954
#2	3923.476	55634.59	6556.275	3114.222	5211.870
#3	3952.286	55723.54	6522.912	3103.162	5264.331

Sample Name: PB162890TB Acquired: 8/23/2024 12:24:28 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002208	-.001020	-.000932	.0049593	-.000299	.0087943	.0047481
Stddev	.002112	.001476	.002008	.0013781	.001559	.0077273	.0023214
%RSD	95.65477	144.7843	215.4346	27.78751	522.0049	87.86651	48.89184
#1	.000103	.000525	-.001844	.0033992	.000792	.0095673	.0021151
#2	-.002689	-.002416	.001370	.0060105	.000397	.0161061	.0056292
#3	-.004038	-.001168	-.002322	.0054682	-.002085	.0007096	.0064999

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000004	-.000185	.0174443	.0022196	.0000849	.0005102	.0288908
Stddev	.000044	.000107	.0189241	.0005924	.0002565	.0001991	.0116353
%RSD	1071.358	57.66421	108.4833	26.69134	302.2933	39.02888	40.27322
#1	.000040	-.000216	-.002188	.0017178	.0000286	.0002976	.0352684
#2	-.000048	-.000067	.035571	.0020678	.0003648	.0005408	.0154612
#3	-.000005	-.000274	.018950	.0028732	-.000139	.0006923	.0359428

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017702	.0138560	.0021544	-.000768	881.1999	-.002323	.0021915
Stddev	.0005652	.0111983	.0002560	.000337	4.5951	.002016	.0003922
%RSD	31.92645	80.81888	11.88036	43.93294	.5214610	86.79995	17.89869
#1	.0011237	.0029250	.0024159	-.000426	878.3083	-.004632	.0020084
#2	.0021702	.0253037	.0021429	-.000778	886.4985	-.000909	.0026418
#3	.0020168	.0133394	.0019044	-.001100	878.7929	-.001428	.0019242

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3101002	-.000389	.0009007	.0018180	-.001017	.0298517	.0115681
Stddev	.0614002	.000739	.0001976	.0010892	.000434	.0140265	.0024702
%RSD	19.80012	189.7613	21.94130	59.91221	42.74249	46.98709	21.35384
#1	.2399413	.000344	.0009843	.0029924	-.001221	.0459774	.0104061
#2	.3540275	-.000379	.0010429	.0008409	-.000517	.0230984	.0144050
#3	.3363317	-.001133	.0006751	.0016207	-.001311	.0204794	.0098931

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162890TB Acquired: 8/23/2024 12:24:28 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0322734	-.002670	-.000131
Stddev	.0009722	.002103	.000146
%RSD	3.012410	78.78903	111.5284
#1	.0333393	-.002453	-.000208
#2	.0320454	-.000683	-.000221
#3	.0314354	-.004873	.000037

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3858.124	54983.41	6645.760	3050.009	5153.564
Stddev	30.208	137.56	43.044	10.902	36.424
%RSD	.7829822	.2501827	.6476850	.3574317	.7067668
#1	3838.853	54896.24	6672.308	3042.190	5127.076
#2	3842.581	54912.00	6596.097	3045.375	5138.516
#3	3892.940	55141.99	6668.876	3062.463	5195.101

Sample Name: P3580-08 Acquired: 8/23/2024 12:41:04 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025307	.0044212	.0737520	-.004963	-.000923	41.41875	.1519750
Stddev	.0014998	.0019451	.0016555	.002188	.001248	.10951	.0017215
%RSD	59.26242	43.99339	2.244658	44.07891	135.3154	.2643917	1.132777
#1	.0011876	.0066672	.0755669	-.002437	-.000452	41.29394	.1503123
#2	.0041490	.0032940	.0733646	-.006228	.000023	41.46355	.1518630
#3	.0022555	.0033025	.0723246	-.006224	-.002338	41.49875	.1537498

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017673	-.000733	3.001059	.0947132	.0225291	.1683449	47.81254
Stddev	.0000410	.000047	.017126	.0001349	.0003033	.0018739	.40275
%RSD	2.318868	6.381422	.5706684	.1424645	1.346445	1.113103	.8423471
#1	.0017200	-.000688	2.992316	.0945969	.0227146	.1703611	47.98354
#2	.0017897	-.000782	2.990069	.0946815	.0221790	.1680171	47.35251
#3	.0017922	-.000729	3.020792	.0948611	.0226936	.1666566	48.10158

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4003837	10.19380	.0617270	.0010668	.9726461	.0804304	.2373784
Stddev	.0012249	.05153	.0009196	.0001656	.0139414	.0027423	.0009468
%RSD	.3059240	.5054912	1.489838	15.52513	1.433346	3.409577	.3988777
#1	.3991014	10.18346	.0627473	.0012488	.9776992	.0797981	.2376969
#2	.4005082	10.14823	.0609620	.0010265	.9568828	.0834337	.2363133
#3	.4015417	10.24971	.0614718	.0009250	.9833563	.0780595	.2381249

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.482839	-.015554	.0002731	.0024230	.6153528	9.176846	.3509900
Stddev	.037797	.000580	.0002612	.0005370	.0012873	.064421	.0028310
%RSD	1.085237	3.730127	95.64181	22.16081	.2092000	.7019993	.8065697
#1	3.455946	-.014898	.0003965	.0024620	.6149414	9.199897	.3537409
#2	3.466516	-.016001	-.000027	.0018676	.6167955	9.104070	.3480852
#3	3.526055	-.015762	.000450	.0029393	.6143215	9.226571	.3511439

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3580-08 Acquired: 8/23/2024 12:41:04 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6368737	.0503606	-.029591
Stddev	.0053279	.0012313	.000382
%RSD	.8365793	2.445044	1.291475
#1	.6428159	.0515731	-.029893
#2	.6325223	.0491113	-.029161
#3	.6352830	.0503974	-.029717

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4735.668	70887.88	8063.351	3901.112	5808.730
Stddev	32.728	412.02	31.993	25.048	49.214
%RSD	.6910885	.5812316	.3967766	.6420643	.8472426
#1	4698.091	70719.56	8099.907	3892.821	5752.195
#2	4750.979	71357.42	8040.455	3929.253	5832.008
#3	4757.934	70586.67	8049.691	3881.260	5841.986

Sample Name: P3689-01 Acquired: 8/23/2024 12:45:19 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003497	.0041093	.0065436	.0008620	.0000424	-.119594	.4556836
Stddev	.0014466	.0005161	.0022247	.0011996	.0017281	.030530	.0013957
%RSD	413.6508	12.55957	33.99862	139.1632	4077.724	25.52788	.3062776
#1	-.000319	.0041558	.0075853	.0020498	-.001056	-.102660	.4563244
#2	-.000641	.0035715	.0080563	.0008852	-.000851	-.101284	.4540826
#3	.002010	.0046006	.0039891	-.000349	.002034	-.154838	.4566437

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000233	-.000278	279.3761	.0036426	.0261410	-.000438	5.317834
Stddev	.000006	.000092	.5357	.0004136	.0001601	.000670	.045791
%RSD	2.783436	32.98632	.1917621	11.35435	.6123881	152.9893	.8610779
#1	-.000225	-.000215	279.8882	.0032924	.0263158	-.000174	5.279367
#2	-.000235	-.000236	278.8195	.0040989	.0261057	.000060	5.305651
#3	-.000237	-.000383	279.4206	.0035366	.0260015	-.001200	5.368484

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.595383	13.90752	.0318860	-.000563	671.2097	.0058059	.3852976
Stddev	.015144	.04706	.0003251	.000221	6.3928	.0028342	.0003127
%RSD	.2706499	.3383934	1.019682	39.35451	.9524242	48.81652	.0811698
#1	5.608529	13.86985	.0315993	-.000756	666.8832	.0027225	.3851726
#2	5.578824	13.89243	.0322393	-.000321	678.5526	.0063977	.3856535
#3	5.598796	13.96027	.0318195	-.000610	668.1933	.0082974	.3850667

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.567876	.0251399	.0035240	-.002948	-.003192	1.934364	.1076162
Stddev	.062023	.0003319	.0004472	.000543	.000911	.027739	.0012295
%RSD	1.738376	1.320264	12.69047	18.41525	28.53008	1.433994	1.142455
#1	3.502051	.0253711	.0031009	-.002763	-.003360	1.903790	.1065054
#2	3.576353	.0247596	.0034792	-.003559	-.002209	1.941383	.1089372
#3	3.625225	.0252889	.0039919	-.002522	-.004007	1.957919	.1074060

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3689-01 Acquired: 8/23/2024 12:45:19 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.766805	.0343871	.7592063
Stddev	.005156	.0042764	.0017979
%RSD	.2918296	12.43613	.2368184
#1	1.765802	.0294554	.7607032
#2	1.772389	.0366379	.7572121
#3	1.762224	.0370681	.7597037

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3893.511	54600.48	6705.738	3038.384	5137.057
Stddev	2.858	309.01	16.389	2.031	6.668
%RSD	.0734019	.5659519	.2444013	.0668419	.1297944
#1	3893.691	54896.80	6687.961	3039.229	5138.302
#2	3890.568	54624.48	6709.009	3039.855	5129.854
#3	3896.275	54280.17	6720.245	3036.067	5143.014

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3694-02 Acquired: 8/23/2024 12:49:47 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003094	.0007025	.0280835	-.000351	.0013054	-.072253	.5531045
Stddev	.001363	.0009191	.0003194	.003000	.0009580	.007679	.0016593
%RSD	44.04208	130.8317	1.137224	855.0490	73.38634	10.62799	.2999944
#1	-.003978	.0012564	.0278436	-.003092	.0013320	-.063420	.5547824
#2	-.001525	.0012094	.0279608	-.000815	.0003344	-.077338	.5514645
#3	-.003780	-.000358	.0284460	.002854	.0022498	-.076001	.5530666

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000399	.0013720	193.6860	.0021936	.0145254	.0165107	.1103809
Stddev	.0000211	.0000593	.2958	.0002876	.0000631	.0006398	.0062862
%RSD	52.85268	4.318851	.1527067	13.11125	.4346890	3.875161	5.695010
#1	.0000168	.0013958	193.3524	.0025251	.0145947	.0157792	.1070541
#2	.0000449	.0013046	193.9160	.0020108	.0145101	.0169661	.1064572
#3	.0000581	.0014157	193.7898	.0020449	.0144713	.0167868	.1176314

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8064643	49.09536	.0095409	-.000817	815.1843	.0020241	.3265732
Stddev	.0018735	.10399	.0003451	.000293	18.8832	.0025727	.0074848
%RSD	.2323057	.2118047	3.616539	35.85642	2.316436	127.1044	2.291922
#1	.8076825	49.14458	.0095614	-.001128	820.2316	.0019852	.3327825
#2	.8043070	48.97590	.0098752	-.000547	831.0310	-.000529	.3286748
#3	.8074033	49.16559	.0091860	-.000775	794.2903	.004616	.3182622

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.914908	.0506660	.0005504	-.002742	-.002941	1.016958	.0087292
Stddev	.091869	.0009847	.0000930	.000585	.000122	.028657	.0018800
%RSD	1.553169	1.943547	16.90454	21.33080	4.135936	2.817949	21.53670
#1	6.007222	.0496327	.0004466	-.003409	-.002802	1.036453	.0074165
#2	5.914011	.0515936	.0006263	-.002497	-.003026	1.030366	.0078881
#3	5.823491	.0507717	.0005782	-.002319	-.002996	.984054	.0108828

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3694-02 Acquired: 8/23/2024 12:49:47 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.7502936	.0201185	.2441218
Stddev	.0014280	.0031069	.0006735
%RSD	.1903263	15.44297	.2758793
#1	.7517155	.0219090	.2443334
#2	.7488596	.0219155	.2433680
#3	.7503055	.0165310	.2446641

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4149.324	53998.27	6865.917	2997.647	5498.636
Stddev	19.700	817.86	31.257	55.108	23.458
%RSD	.4747696	1.514611	.4552417	1.838368	.4266179
#1	4128.002	53346.03	6891.966	2952.113	5476.616
#2	4166.850	53732.93	6874.528	2981.918	5523.307
#3	4153.119	54915.86	6831.258	3058.909	5495.986

Sample Name: P3699-01DLX25 Acquired: 8/23/2024 12:54:16 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000793	.0011696	.0000658	.0006011	-.003095	-.000032	.0244519
Stddev	.0006134	.0016603	.0006308	.0009036	.000635	.012297	.0018357
%RSD	773.2765	141.9520	958.8016	150.3296	20.50093	38147.46	7.507231
#1	.0007657	.0005411	.0007810	-.000369	-.003691	-.012735	.0265332
#2	-.000416	.0030523	-.000173	.000754	-.003166	.000823	.0230638
#3	-.000112	-.000085	-.000411	.001418	-.002428	.011815	.0237587

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000840	-.000110	.0811448	.0004583	.0004626	.0007931	-.003835
Stddev	.0000565	.000094	.0154276	.0001389	.0001092	.0001942	.007947
%RSD	67.22746	85.53698	19.01247	30.29573	23.61247	24.48722	207.2395
#1	.0000226	-.000008	.0633307	.0005004	.0005048	.0008716	.001881
#2	.0001338	-.000128	.0901202	.0005713	.0003385	.0009357	-.000475
#3	.0000956	-.000195	.0899836	.0003033	.0005444	.0005719	-.012910

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038331	.0492498	.0001891	-.000178	45.13349	.0001545	.0178000
Stddev	.0002373	.0239106	.0001737	.000419	.37380	.0034900	.0003263
%RSD	6.190885	48.54959	91.88724	235.3937	.8282109	2258.487	1.832950
#1	.0036917	.0291858	.0003664	.000177	45.55904	-.003681	.0181069
#2	.0041071	.0428564	.0001817	-.000640	44.98324	.001003	.0174573
#3	.0037006	.0757071	.0000192	-.000071	44.85820	.003142	.0178358

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.019481	.0052420	-.000070	.0003292	.0005842	-.002347	.0202764
Stddev	.033226	.0007155	.000398	.0005658	.0020186	.007595	.0027109
%RSD	3.259151	13.64980	568.3844	171.8757	345.5401	323.5639	13.36969
#1	.981126	.0047308	.000152	.0009558	.0027291	.000281	.0185735
#2	1.039466	.0049354	.000167	-.000144	-.001278	-.010907	.0188533
#3	1.037852	.0060597	-.000530	.000176	.000302	.003584	.0234025

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3699-01DLX25 Acquired: 8/23/2024 12:54:16 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0922669	.0093880	.0008920
Stddev	.0003527	.0037398	.0000531
%RSD	.3822573	39.83595	5.949419
#1	.0924574	.0136957	.0009192
#2	.0918599	.0069720	.0009260
#3	.0924834	.0074963	.0008308

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4140.446	58692.07	6664.326	3262.432	5785.705
Stddev	9.045	572.46	60.329	30.298	15.811
%RSD	.2184428	.9753685	.9052512	.9286935	.2732686
#1	4150.663	58083.87	6629.373	3230.237	5802.174
#2	4137.215	58771.91	6733.988	3266.672	5784.292
#3	4133.461	59220.42	6629.619	3290.386	5770.648

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3699-02 Acquired: 8/23/2024 12:58:40 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003552	-.000851	.1329370	.0019701	-.001268	.0558145	.5129336
Stddev	.002106	.000150	.0029600	.0037273	.003274	.0138682	.0030368
%RSD	59.29868	17.63540	2.226644	189.1918	258.1638	24.84701	.5920522
#1	-.003347	-.000841	.1299741	.0010719	-.005032	.0423686	.5123249
#2	-.001556	-.000706	.1358942	.0060645	.000916	.0700696	.5102473
#3	-.005753	-.001006	.1329426	-.001226	.000312	.0550054	.5162287

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000764	.0025847	6.119579	.0018774	.0010044	.0077281	.0372274
Stddev	.0000234	.0000466	.004195	.0004465	.0002630	.0003580	.0122307
%RSD	30.64585	1.803881	.0685442	23.78358	26.18148	4.632300	32.85403
#1	.0001008	.0025755	6.117913	.0023623	.0007986	.0078419	.0231059
#2	.0000742	.0026352	6.116473	.0014833	.0013006	.0073270	.0444530
#3	.0000541	.0025433	6.124351	.0017865	.0009139	.0080153	.0441232

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1089056	1.554813	.0046291	-.000528	774.5260	.0015461	.6611881
Stddev	.0004383	.019057	.0005170	.000518	3.5854	.0003748	.0007952
%RSD	.4024241	1.225646	11.16850	98.06722	.4629219	24.24506	.1202751
#1	.1084522	1.532921	.0040360	.000062	777.2192	.0012444	.6606803
#2	.1093270	1.563837	.0048670	-.000909	775.9025	.0019657	.6607794
#3	.1089377	1.567681	.0049844	-.000738	770.4562	.0014282	.6621046

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.721260	.2042915	.0000607	-.000117	-.000050	.2734440	.0766933
Stddev	.083719	.0018376	.0002096	.000405	.000814	.0084280	.0012389
%RSD	3.076472	.8994950	345.1498	345.7312	1612.534	3.082164	1.615402
#1	2.626529	.2022485	-.000151	-.000530	.000413	.2762666	.0755856
#2	2.751942	.2048166	.000064	.000280	.000426	.2639669	.0764633
#3	2.785309	.2058094	.000268	-.000102	-.000990	.2800983	.0780311

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3699-02 Acquired: 8/23/2024 12:58:40 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.583304	-.004770	.0374742
Stddev	.026370	.003147	.0001865
%RSD	.5753417	65.97016	.4976674
#1	4.576018	-.001188	.0375101
#2	4.561343	-.006032	.0376401
#3	4.612550	-.007090	.0372723

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3969.504	57885.61	7025.297	3206.152	5288.747
Stddev	14.671	293.54	17.392	8.574	16.598
%RSD	.3695975	.5071014	.2475584	.2674237	.3138432
#1	3983.305	57650.48	7044.854	3202.007	5305.775
#2	3971.114	57791.76	7011.568	3200.438	5287.851
#3	3954.095	58214.60	7019.468	3216.011	5272.615

Sample Name: P3650-01 Acquired: 8/23/2024 13:03:09 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003935	-.001457	.0081706	.0020110	-.001572	.0360052	.0094873
Stddev	.001371	.001140	.0006722	.0027123	.002810	.0108030	.0019327
%RSD	34.83731	78.22237	8.227100	134.8721	178.7883	30.00404	20.37138
#1	-.003036	-.002227	.0086235	.0045305	-.004519	.0403392	.0095684
#2	-.003256	-.001996	.0084902	.0023623	-.001273	.0237082	.0113782
#3	-.005513	-.000148	.0073983	-.000860	.001077	.0439681	.0075153

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000019	-.000173	5.422081	.0028550	.0114860	.0057136	1.076858
Stddev	.000024	.000040	.010166	.0001498	.0001891	.0005070	.010924
%RSD	127.2648	22.93618	.1874998	5.246161	1.646357	8.873129	1.014407
#1	-.000010	-.000128	5.423768	.0027104	.0114496	.0053755	1.075974
#2	-.000000	-.000201	5.431299	.0030095	.0113178	.0062965	1.066403
#3	-.000046	-.000191	5.411177	.0028450	.0116907	.0054688	1.088197

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0509495	2.565709	.0150245	.0000004	12.41992	.0028822	.0432289
Stddev	.0005973	.015757	.0003148	.0001191	.03508	.0022456	.0001259
%RSD	1.172426	.6141278	2.095215	32238.16	.2824280	77.91385	.2912637
#1	.0506205	2.548036	.0151985	.0001268	12.41813	.0054739	.0431604
#2	.0516390	2.578291	.0146611	-.000016	12.38576	.0015152	.0433742
#3	.0505889	2.570800	.0152138	-.000110	12.45585	.0016574	.0431521

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8128083	.0048108	.0004435	.0000309	.0004343	4.357543	.0033254
Stddev	.0569050	.0007952	.0000758	.0008457	.0025037	.005817	.0010183
%RSD	7.001038	16.52994	17.08262	2740.732	576.4466	.1334854	30.62111
#1	.8120762	.0041654	.0003937	-.000722	.0001656	4.363950	.0032885
#2	.7562729	.0045678	.0004061	.000946	-.001924	4.356086	.0043616
#3	.8700758	.0056992	.0005307	-.000132	.003062	4.352593	.0023261

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3650-01 Acquired: 8/23/2024 13:03:09 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.7236443	-.000434	.0335133
Stddev	.0042369	.003998	.0001124
%RSD	.5854953	921.8652	.3353398
#1	.7281006	.002449	.0334969
#2	.7231646	.001248	.0336330
#3	.7196676	-.004998	.0334101

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4081.764	60969.67	6595.961	3322.700	5834.632
Stddev	14.448	206.36	44.137	18.571	17.854
%RSD	.3539728	.3384609	.6691584	.5589095	.3060043
#1	4065.135	60835.79	6608.297	3301.444	5814.030
#2	4088.912	61207.31	6546.969	3335.783	5845.593
#3	4091.245	60865.89	6632.619	3330.872	5844.273

Sample Name: PB162907BL Acquired: 8/23/2024 13:07:31 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007699	.0005570	.0003376	.0002718	.0011780	.0052055	.0023599
Stddev	.0006185	.0003653	.0004585	.0021821	.0015865	.0062203	.0025719
%RSD	80.33537	65.57352	135.8252	802.9503	134.6771	119.4939	108.9877
#1	.0011468	.0003892	.0004620	-.000879	.0011577	.0100598	.0007073
#2	.0011069	.0009760	.0007211	-.001094	-.000398	.0073630	.0053231
#3	.0000561	.0003059	-.000170	.002788	.002775	-.001806	.0010491

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000395	-.000006	-.005264	-.000255	.0001863	.0003690	-.002537
Stddev	.0000494	.000070	.014901	.000561	.0001477	.0006136	.009295
%RSD	124.9357	1124.068	283.0750	219.6645	79.29098	166.2959	366.3338
#1	.0000871	-.000007	-.018461	.000153	.0000509	-.000320	.003773
#2	.0000429	-.000076	.010895	-.000894	.0001641	.000572	.001826
#3	-.000011	.000064	-.008226	-.000024	.0003438	.000855	-.013211

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001411	.0093345	-.000180	-.000541	.7138109	.0008489	.0000164
Stddev	.0004971	.0259193	.000061	.000329	.0062919	.0031651	.0001301
%RSD	352.2741	277.6711	33.85588	60.77175	.8814577	372.8474	794.4338
#1	.0001167	.0086189	-.000168	-.000185	.7076438	-.001441	-.000130
#2	.0006499	.0356043	-.000125	-.000834	.7135682	-.000473	.000117
#3	-.000343	-.016220	-.000245	-.000605	.7202207	.004461	.000062

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5362303	-.001745	-.000121	.0004203	-.001198	-.004917	.0008747
Stddev	.0390006	.000592	.000214	.0002697	.001939	.004766	.0009363
%RSD	7.273103	33.92216	175.8901	64.16321	161.8571	96.93842	107.0445
#1	.5536978	-.002267	.000110	.0006297	-.001802	-.007861	.0017614
#2	.4915492	-.001102	-.000163	.0005152	-.002764	.000582	-.000104
#3	.5634439	-.001866	-.000311	.0001160	.000971	-.007472	.000967

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162907BL Acquired: 8/23/2024 13:07:31 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002078	.0074806	-.000062
Stddev	.001730	.0006029	.000093
%RSD	83.23605	8.059264	150.4066
#1	-.000089	.0080882	-.000064
#2	-.002912	.0068825	.000032
#3	-.003232	.0074712	-.000153

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4253.051	60449.22	6800.711	3350.641	6152.925
Stddev	15.059	218.92	72.469	15.773	26.049
%RSD	.3540856	.3621565	1.065610	.4707363	.4233648
#1	4246.091	60427.72	6843.912	3343.557	6139.293
#2	4270.332	60241.84	6717.046	3339.653	6182.962
#3	4242.730	60678.09	6841.174	3368.714	6136.520

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3650-04 Acquired: 8/23/2024 13:11:57 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000284	-.002059	-.000412	.0029732	-.002264	.0507437	.0474265
Stddev	.002390	.001768	.001187	.0023389	.000499	.0182309	.0006390
%RSD	841.3726	85.89998	288.1224	78.66752	22.03733	35.92735	1.347240
#1	-.001943	-.003849	.000163	.0055384	-.002057	.0716555	.0480916
#2	.002455	-.002013	.000378	.0009589	-.002834	.0423818	.0468174
#3	-.001364	-.000314	-.001777	.0024222	-.001902	.0381937	.0473705

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000102	-.000143	24.39640	.0031053	.0006302	.0013196	.0474688
Stddev	.000019	.000056	.03728	.0000656	.0000913	.0003431	.0033074
%RSD	18.20587	39.12193	.1528225	2.111642	14.49048	25.99902	6.967541
#1	-.000102	-.000124	24.43133	.0030319	.0005440	.0014387	.0498059
#2	-.000121	-.000207	24.40072	.0031582	.0007259	.0015872	.0436845
#3	-.000083	-.000100	24.35714	.0031259	.0006207	.0009328	.0489161

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0239238	3.655365	.0021574	-.000553	12.78583	-.000823	.0168590
Stddev	.0001557	.025182	.0001891	.000335	.12693	.003474	.0000288
%RSD	.6506386	.6889175	8.763808	60.45848	.9927392	421.8832	.1709185
#1	.0241030	3.627763	.0019392	-.000560	12.83274	-.003801	.0168908
#2	.0238220	3.677086	.0022732	-.000885	12.64213	-.001662	.0168516
#3	.0238465	3.661248	.0022597	-.000216	12.88264	.002993	.0168346

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8791046	.0487119	.0008390	-.001277	.0015798	4.393157	.0670836
Stddev	.0280078	.0014121	.0003492	.001137	.0013664	.055706	.0010138
%RSD	3.185947	2.898868	41.61984	89.01771	86.49201	1.268018	1.511311
#1	.9094100	.0501577	.0011747	-.002440	.0029252	4.395295	.0680552
#2	.8541731	.0486419	.0004777	-.001225	.0001933	4.336412	.0671633
#3	.8737308	.0473361	.0008646	-.000168	.0016208	4.447763	.0660322

Sample Name: P3650-04 Acquired: 8/23/2024 13:11:57 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5756283	.0015242	.2305482
Stddev	.0027541	.0033579	.0011318
%RSD	.4784556	220.3000	.4909104
#1	.5782209	.0036895	.2317091
#2	.5759270	-.002344	.2304875
#3	.5727370	.003227	.2294480

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4077.147	62666.69	6684.958	3410.721	5799.114
Stddev	21.812	368.50	42.939	16.827	36.461
%RSD	.5349711	.5880353	.6423165	.4933682	.6287347
#1	4055.282	62423.07	6667.895	3396.718	5759.538
#2	4077.254	63090.63	6653.172	3429.389	5806.466
#3	4098.905	62486.36	6733.805	3406.057	5831.339

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCV04 Acquired: 8/23/2024 13:16:19 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.904815	5.335528	4.909195	4.940808	4.925506	10.03070	9.887247
Stddev	.062377	.164798	.066472	.069955	.067071	.07368	.075743
%RSD	1.271754	3.088695	1.354038	1.415870	1.361714	.7345106	.7660647
#1	4.836931	5.148480	4.838351	4.861348	4.853484	10.09744	9.966326
#2	4.917907	5.459353	4.919035	4.967956	4.936856	10.04302	9.880063
#3	4.959608	5.398752	4.970198	4.993120	4.986178	9.95164	9.815352

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2557501	2.462687	25.01164	1.002055	2.453115	1.232645	5.015209
Stddev	.0012716	.031755	.10969	.016396	.032570	.014418	.063780
%RSD	.4972099	1.289445	.4385579	1.636248	1.327683	1.169688	1.271734
#1	.2551370	2.429102	25.12704	.994075	2.419169	1.218379	5.012571
#2	.2572121	2.466737	24.99914	1.020914	2.456068	1.232347	5.080267
#3	.2549012	2.492223	24.90873	.991176	2.484107	1.247210	4.952788

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.491417	24.85876	2.450370	1.255209	25.14664	2.488083	2.500621
Stddev	.016083	.19303	.032500	.016606	.28752	.026387	.033397
%RSD	.6455533	.7764882	1.326337	1.322994	1.143365	1.060536	1.335533
#1	2.505869	25.07093	2.416350	1.245985	25.12884	2.515686	2.481672
#2	2.494291	24.81178	2.453660	1.274379	25.44264	2.485454	2.539182
#3	2.474090	24.69355	2.481100	1.245261	24.86843	2.463109	2.481009

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.10991	5.069782	5.016608	4.958400	4.985059	4.882174	4.938419
Stddev	.23540	.025971	.063581	.065386	.040959	.054003	.073408
%RSD	.9374909	.5122628	1.267401	1.318684	.8216369	1.106119	1.486474
#1	25.09549	5.055517	4.946649	4.885716	5.023293	4.896302	4.856681
#2	25.35220	5.099759	5.032302	4.977050	4.990050	4.927708	4.959845
#3	24.88205	5.054070	5.070871	5.012435	4.941833	4.822511	4.998730

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCV04 Acquired: 8/23/2024 13:16:19 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.757031	4.922372	4.974497
Stddev	.066206	.036740	.030544
%RSD	1.391745	.7463972	.6140123
#1	4.680951	4.964595	5.001063
#2	4.788587	4.904835	4.981303
#3	4.801556	4.897685	4.941124

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4196.243	55867.63	6315.371	3101.940	5824.740
Stddev	42.990	906.72	41.350	48.295	64.926
%RSD	1.024491	1.622981	.6547549	1.556929	1.114656
#1	4238.181	56234.84	6321.234	3133.089	5891.093
#2	4198.275	54834.90	6271.402	3046.307	5821.787
#3	4152.273	56533.14	6353.476	3126.424	5761.342

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCB04 Acquired: 8/23/2024 13:20:29 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006095	-.001926	.0007800	.0036540	-.001164	.0020104	.0039908
Stddev	.0002929	.002748	.0021339	.0040305	.000908	.0185889	.0025309
%RSD	48.05700	142.6819	273.5758	110.3034	78.01132	924.6560	63.41818
#1	.0003235	-.002948	.0016300	.0005060	-.000175	.0070951	.0052407
#2	.0005960	.001187	-.001648	.0022595	-.001359	-.018592	.0010781
#3	.0009089	-.004016	.002358	.0081966	-.001959	.017528	.0056537

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000161	.0000130	.0253746	-.000115	.0002409	.0002583	-.001545
Stddev	.0000270	.0001231	.0010723	.000334	.0000907	.0001957	.007754
%RSD	168.4094	950.5996	4.225816	291.0143	37.67842	75.75712	501.9865
#1	.0000450	.0001518	.0242656	.000254	.0001931	.0004741	.002097
#2	.0000119	-.000083	.0264059	-.000395	.0001840	.0002087	-.010449
#3	-.000009	-.000030	.0254524	-.000203	.0003455	.0000923	.003718

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005492	.0213780	.0002811	-.000837	.3668073	-.003722	.0004123
Stddev	.0003545	.0063081	.0003204	.000407	.0366665	.003348	.0004194
%RSD	64.54498	29.50734	113.9738	48.65090	9.996117	89.94452	101.7370
#1	.0009492	.0228901	.0002124	-.001286	.3255563	.000105	.0000096
#2	.0004244	.0144513	.0006304	-.000491	.3791746	-.005161	.0008466
#3	.0002740	.0267927	.0000006	-.000735	.3956911	-.006110	.0003805

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3456818	.0046784	.0004888	.0085977	-.001167	.0078421	-.002369
Stddev	.0621663	.0012852	.0001110	.0002456	.001618	.0045173	.000117
%RSD	17.98369	27.47172	22.71435	2.856744	138.6754	57.60338	4.921729
#1	.2779354	.0061532	.0006143	.0086885	-.000233	.0027728	-.002504
#2	.3590008	.0040851	.0004483	.0083196	-.003035	.0093127	-.002302
#3	.4001091	.0037971	.0004036	.0087849	-.000232	.0114409	-.002302

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCB04 Acquired: 8/23/2024 13:20:29 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001304	.0045609	.0001759
Stddev	.002115	.0055341	.0000637
%RSD	162.2063	121.3403	36.20966
#1	-.001561	.0071614	.0002124
#2	.000928	-.001795	.0001023
#3	-.003279	.008316	.0002130

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4144.472	60431.01	6744.560	3342.764	5955.919
Stddev	24.738	247.87	92.486	20.027	37.041
%RSD	.5968796	.4101654	1.371270	.5991067	.6219119
#1	4119.672	60150.34	6643.519	3320.683	5914.483
#2	4144.598	60619.88	6825.026	3359.753	5967.453
#3	4169.146	60522.83	6765.134	3347.855	5985.820

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3685-04 Acquired: 8/23/2024 13:24:53 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005979	.0008166	.0164834	.0033641	-.001076	-.018513	.5535526
Stddev	.002417	.0015990	.0015399	.0018517	.000552	.011753	.0008456
%RSD	40.42986	195.8105	9.342138	55.04145	51.27731	63.48396	.1527559
#1	-.008517	.0023943	.0173403	.0017805	-.001207	-.032026	.5543018
#2	-.005717	.0008584	.0174042	.0054000	-.001551	-.012838	.5526358
#3	-.003704	-.000803	.0147056	.0029118	-.000471	-.010675	.5537201

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000002	.0026312	160.0757	.0034827	.0183048	.0273269	.2056251
Stddev	.000095	.0000549	.3344	.0003705	.0001024	.0003505	.0037133
%RSD	5020.110	2.085603	.2089059	10.63748	.5595739	1.282517	1.805866
#1	.000014	.0026860	160.4133	.0034145	.0182716	.0270177	.2098809
#2	-.000104	.0025763	160.0693	.0031510	.0184198	.0272553	.2039496
#3	.000085	.0026312	159.7445	.0038825	.0182232	.0277076	.2030447

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.144875	18.50556	.0345238	-.000598	663.3882	.0017046	.3031444
Stddev	.009200	.11094	.0002081	.000101	2.7723	.0044733	.0009659
%RSD	.4289489	.5994750	.6026664	16.94514	.4179027	262.4228	.3186152
#1	2.151423	18.61581	.0344207	-.000494	666.4088	.0067142	.3042163
#2	2.148846	18.50691	.0347632	-.000603	662.7958	.0002904	.3023417
#3	2.134356	18.39395	.0343873	-.000697	660.9600	-.001891	.3028751

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.157043	.1132155	.0003941	-.000339	-.001621	1.387360	.0014879
Stddev	.008529	.0017966	.0001946	.000684	.000394	.009825	.0018245
%RSD	.3953923	1.586884	49.39068	201.8632	24.32497	.7081699	122.6199
#1	2.163491	.1152276	.0002272	-.000642	-.001773	1.391485	-.000617
#2	2.147372	.1126467	.0006079	.000445	-.001174	1.376145	.002464
#3	2.160265	.1117721	.0003471	-.000820	-.001917	1.394450	.002617

Sample Name: P3685-04 Acquired: 8/23/2024 13:24:53 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.439772	.0128565	.3649270
Stddev	.009626	.0058867	.0010297
%RSD	.3945647	45.78764	.2821727
#1	2.433664	.0116170	.3661158
#2	2.450868	.0192642	.3643526
#3	2.434782	.0076882	.3643126

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3926.648	55544.73	6693.902	3075.457	5194.808
Stddev	8.401	189.40	26.261	7.946	9.337
%RSD	.2139591	.3409875	.3923195	.2583711	.1797332
#1	3931.189	55707.59	6678.468	3077.591	5202.680
#2	3931.801	55336.89	6679.015	3066.662	5197.250
#3	3916.953	55589.69	6724.225	3082.118	5184.492

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3685-01 Acquired: 8/23/2024 13:29:20 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058247	.0057959	.2013182	-.010994	.0057020	46.43684	.8156778
Stddev	.0032275	.0028254	.0021967	.002337	.0006314	.46301	.0081239
%RSD	55.41035	48.74760	1.091143	21.25740	11.07341	.9970746	.9959677
#1	.0074890	.0079894	.1987818	-.009948	.0051364	45.90245	.8066794
#2	.0078803	.0026077	.2025671	-.009363	.0055863	46.68991	.8224724
#3	.0021048	.0067906	.2026057	-.013671	.0063832	46.71815	.8178815

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036878	-.001061	170.1237	.1247168	.0714426	.2518867	129.7367
Stddev	.0000648	.000185	1.6046	.0004815	.0002034	.0033687	.9043
%RSD	1.756383	17.40695	.9431778	.3860561	.2847624	1.337382	.6970281
#1	.0037347	-.001081	168.2764	.1242835	.0713516	.2511881	129.6367
#2	.0036139	-.000867	170.9233	.1246318	.0716756	.2555499	128.8866
#3	.0037148	-.001235	171.1713	.1252351	.0713005	.2489220	130.6869

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.541838	104.1313	.1722465	.0044281	2.953373	.2284025	.4447640
Stddev	.016126	.8521	.0012997	.0001700	.039504	.0024880	.0044177
%RSD	1.045900	.8182493	.7545730	3.838040	1.337573	1.089312	.9932705
#1	1.523297	103.1546	.1717013	.0042864	2.931432	.2270308	.4434766
#2	1.549623	104.7223	.1737300	.0046165	2.929709	.2269022	.4411329
#3	1.552595	104.5171	.1713081	.0043814	2.998977	.2312744	.4496823

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.182595	.1075127	.0035048	.0222173	4.542153	6.769804	2.623249
Stddev	.062053	.0011472	.0001011	.0004317	.041592	.034482	.016802
%RSD	1.197327	1.067044	2.883752	1.943177	.9156832	.5093531	.6404936
#1	5.114053	.1088321	.0035965	.0217645	4.494181	6.761034	2.619481
#2	5.198782	.1067508	.0033964	.0222631	4.568101	6.740553	2.641614
#3	5.234949	.1069551	.0035215	.0226242	4.564178	6.807824	2.608651

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3685-01 Acquired: 8/23/2024 13:29:20 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.846032	.0815973	.1700346
Stddev	.019860	.0036681	.0027997
%RSD	.6978145	4.495370	1.646566
#1	2.833723	.0805592	.1669536
#2	2.868943	.0785602	.1724229
#3	2.835430	.0856726	.1707274

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4181.574	60083.75	6930.358	3298.689	5420.145
Stddev	22.807	315.62	61.922	19.220	34.580
%RSD	.5454123	.5253055	.8934856	.5826511	.6379920
#1	4183.663	60145.46	7000.554	3307.850	5429.101
#2	4157.795	60363.96	6883.484	3311.614	5381.969
#3	4203.265	59741.83	6907.036	3276.602	5449.367

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162907BS Acquired: 8/23/2024 13:33:33 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8422879	2.103807	1.009944	2.094478	.8161346	1.997626
Stddev	.0020103	.040686	.005365	.016554	.0027181	.023562
%RSD	.2386721	1.933916	.5312610	.7903792	.3330483	1.179520
#1	.8445360	2.066230	1.014116	2.090529	.8167595	2.024825
#2	.8406632	2.098176	1.003891	2.080254	.8131585	1.984587
#3	.8416644	2.147015	1.011825	2.112649	.8184859	1.983464

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1992803	.2032745	.1998663	1.097420	.3971956	.2032880
Stddev	.0005702	.0013509	.0009130	.009007	.0019500	.0007737
%RSD	.2861471	.6645883	.4567886	.8207310	.4909315	.3805835
#1	.1991344	.2035992	.2004076	1.101993	.3952958	.2036135
#2	.1999093	.2017908	.1988122	1.087044	.3991921	.2024048
#3	.1987972	.2044334	.2003791	1.103223	.3970988	.2038458

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3162871	2.888997	.2022050	2.020650	.5093790	.0735829
Stddev	.0016544	.025070	.0003200	.036576	.0020971	.0003358
%RSD	.5230647	.8677873	.1582478	1.810122	.4117058	.4562974
#1	.3167877	2.908775	.2025351	2.062213	.5091292	.0733522
#2	.3144402	2.897415	.2018962	1.993372	.5074180	.0734284
#3	.3176333	2.860801	.2021837	2.006365	.5115899	.0739681

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.122591	.2965096	.1991075	9.468237	.2816219	.3980079
Stddev	.022303	.0031748	.0003947	.085072	.0017371	.0021574
%RSD	.7142348	1.070707	.1982085	.8984961	.6168050	.5420524
#1	3.099507	.2947952	.1995544	9.556773	.2819449	.3981194
#2	3.144020	.3001729	.1989612	9.387115	.2797460	.3957970
#3	3.124245	.2945605	.1988068	9.460823	.2831747	.4001075

Sample Name: PB162907BS Acquired: 8/23/2024 13:33:33 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6950778	.1926619	F .6059312	6.149014	F -.010381	.1838260
Stddev	.0016623	.0022463	.0109393	.035938	.002339	.0032144
%RSD	.2391544	1.165930	1.805364	.5844548	22.53127	1.748586
#1	.6943866	.1938180	.5933579	6.132600	-.012114	.1846166
#2	.6938726	.1940947	.6132674	6.124213	-.011310	.1802901
#3	.6969742	.1900730	.6111683	6.190228	-.007721	.1865713

Elem	Sr4077
Units	ppm
Avg	.1924549
Stddev	.0008343
%RSD	.4335277
#1	.1934172
#2	.1920142
#3	.1919333

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4083.022	61719.79	6670.612	3387.607	5797.482
Stddev	19.074	248.85	34.134	20.981	23.625
%RSD	.4671522	.4031977	.5117064	.6193557	.4075039
#1	4066.546	61447.91	6662.671	3364.265	5781.610
#2	4103.918	61775.18	6708.017	3393.656	5824.632
#3	4078.603	61936.29	6641.149	3404.898	5786.203

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3685-03 Acquired: 8/23/2024 13:37:43 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007519	.0057605	.1740161	-.009386	.0044937	41.63354	.2423265
Stddev	.0019201	.0007796	.0017245	.001050	.0012302	.04240	.0012722
%RSD	255.3738	13.53363	.9909780	11.19050	27.37657	.1018317	.5250088
#1	.0004131	.0048720	.1721180	-.009564	.0030772	41.64027	.2412624
#2	.0028188	.0063303	.1754863	-.010337	.0051088	41.67217	.2419814
#3	-.000976	.0060791	.1744441	-.008259	.0052951	41.58818	.2437356

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033989	-.001453	121.0215	.1329141	.0716721	.2394643	122.4982
Stddev	.0000898	.000054	.0391	.0004950	.0000204	.0003834	.3278
%RSD	2.641318	3.695912	.0323269	.3724428	.0285236	.1601206	.2675657
#1	.0033356	-.001424	121.0116	.1329887	.0716516	.2390936	122.4525
#2	.0033595	-.001420	121.0646	.1323860	.0716722	.2394400	122.1956
#3	.0035017	-.001515	120.9882	.1333676	.0716925	.2398593	122.8464

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.324371	62.33354	.1637813	.0050626	3.558473	.2267111	.3899507
Stddev	.003634	.06482	.0004362	.0001420	.007662	.0035998	.0013055
%RSD	.2743791	.1039888	.2663457	2.804508	.2153206	1.587819	.3347750
#1	1.328449	62.40019	.1642598	.0051867	3.554483	.2308678	.3899904
#2	1.323190	62.32970	.1634058	.0049078	3.553630	.2246303	.3886258
#3	1.321475	62.27073	.1636782	.0050932	3.567307	.2246353	.3912359

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.146013	.0988500	.0044104	.0155775	4.272945	6.779896	2.292751
Stddev	.044135	.0011244	.0004957	.0003709	.001865	.035551	.012435
%RSD	.8576555	1.137449	11.23904	2.380827	.0436485	.5243570	.5423619
#1	5.108138	.0986136	.0049205	.0157863	4.274628	6.779326	2.307017
#2	5.135420	.0978626	.0043802	.0157970	4.273269	6.744633	2.287021
#3	5.194480	.1000738	.0039305	.0151493	4.270940	6.815728	2.284213

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3685-03 Acquired: 8/23/2024 13:37:43 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	3.629400	.0705467	.0267335
Stddev	.029884	.0038285	.0004780
%RSD	.8233872	5.426929	1.788118
#1	3.659302	.0726644	.0268263
#2	3.629363	.0728484	.0271583
#3	3.599534	.0661271	.0262159

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4366.595	61092.31	7110.944	3378.952	5754.922
Stddev	6.199	135.88	9.775	19.861	5.858
%RSD	.1419746	.2224226	.1374578	.5877859	.1017828
#1	4359.436	61203.11	7117.293	3388.744	5748.258
#2	4370.174	61133.13	7099.688	3392.016	5757.254
#3	4370.175	60940.70	7115.850	3356.097	5759.255

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3704-03 Acquired: 8/23/2024 13:41:56 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005039	.0016387	.0024207	.0015223	-.000993	.2975856	.6711610
Stddev	.001881	.0015259	.0011473	.0022248	.002755	.0150859	.0055226
%RSD	37.32275	93.11810	47.39541	146.1452	277.3761	5.069434	.8228428
#1	-.005401	-.000107	.0031702	.0014292	.002184	.3128533	.6745626
#2	-.003004	.002304	.0010999	-.000654	-.002438	.2972150	.6647889
#3	-.006713	.002719	.0029920	.003792	-.002726	.2826884	.6741314

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004558	.0018056	60.14075	.0053381	.0053085	.0215073	.0454271
Stddev	.0000342	.0000470	.24007	.0008119	.0002755	.0001338	.0118164
%RSD	7.510921	2.600753	.3991733	15.20994	5.188934	.6221889	26.01172
#1	.0004907	.0017712	60.31119	.0058167	.0055987	.0214104	.0555174
#2	.0004546	.0017866	59.86620	.0044006	.0050506	.0214516	.0483361
#3	.0004222	.0018591	60.24485	.0057970	.0052763	.0216600	.0324279

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3835349	13.39129	.0106599	-.000027	643.5942	.0025104	1.352014
Stddev	.0025862	.10129	.0001888	.000497	8.5514	.0017690	.015635
%RSD	.6742921	.7563927	1.771410	1854.590	1.328696	70.46800	1.156392
#1	.3857103	13.44834	.0105301	.000186	650.7644	.0013501	1.343397
#2	.3806755	13.27434	.0108765	-.000595	645.8887	.0016347	1.370061
#3	.3842189	13.45119	.0105730	.000329	634.1297	.0045464	1.342583

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.434017	.0370567	.0003448	-.002251	-.002252	4.083652	.0187155
Stddev	.079789	.0007039	.0001607	.000867	.000497	.038807	.0024764
%RSD	3.278097	1.899517	46.59257	38.50867	22.05982	.9503064	13.23204
#1	2.343941	.0378131	.0004700	-.001566	-.001778	4.113281	.0174842
#2	2.462290	.0369362	.0001636	-.003225	-.002769	4.097951	.0170961
#3	2.495820	.0364209	.0004008	-.001961	-.002208	4.039724	.0215663

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3704-03 Acquired: 8/23/2024 13:41:56 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.7108659	.0060842	.4735065
Stddev	.0083584	.0010906	.0026830
%RSD	1.175805	17.92594	.5666178
#1	.7182063	.0059482	.4754971
#2	.7017688	.0050678	.4704554
#3	.7126226	.0072364	.4745670

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4157.707	57124.12	6946.708	3186.399	5535.828
Stddev	21.979	495.35	19.226	34.195	26.812
%RSD	.5286332	.8671512	.2767573	1.073158	.4843276
#1	4132.338	57186.63	6927.632	3198.528	5505.210
#2	4169.767	56600.48	6966.080	3147.793	5555.108
#3	4171.016	57585.25	6946.411	3212.877	5547.166

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3704-03LX5 Acquired: 8/23/2024 13:46:24 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002379	.0020779	.0013310	-.001141	.0016846	.2987157	.6695532
Stddev	.004605	.0009346	.0017063	.002207	.0005934	.0103583	.0068477
%RSD	193.5841	44.97556	128.1973	193.4480	35.22245	3.467605	1.022724
#1	.002552	.0017391	-.000179	.001303	.0021226	.3088577	.6755965
#2	-.003121	.0013600	.003182	-.001737	.0019219	.2881539	.6709476
#3	-.006567	.0031347	.000989	-.002989	.0010093	.2991355	.6621157

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004519	.0017765	60.09876	.0053155	.0053884	.0219442	.0532164
Stddev	.0000449	.0000891	.54794	.0002219	.0001054	.0003374	.0094299
%RSD	9.943893	5.013292	.9117347	4.174251	1.956659	1.537534	17.71997
#1	.0005017	.0017535	60.69401	.0055502	.0054056	.0216155	.0512419
#2	.0004396	.0018748	59.98688	.0051092	.0054842	.0219273	.0634772
#3	.0004144	.0017012	59.61540	.0052870	.0052755	.0222897	.0449300

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3821281	13.35440	.0106617	-.000547	645.5277	.0031690	1.366742
Stddev	.0033797	.14896	.0002567	.000207	10.3022	.0005587	.003884
%RSD	.8844503	1.115443	2.407582	37.76120	1.595931	17.63167	.2842128
#1	.3856203	13.52192	.0104684	-.000691	651.4314	.0036510	1.371142
#2	.3818906	13.30447	.0105638	-.000641	651.5198	.0032993	1.365296
#3	.3788734	13.23683	.0109530	-.000311	633.6318	.0025566	1.363787

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.566655	.0365743	.0003470	-.002400	-.000184	4.151033	.0226690
Stddev	.023440	.0007556	.0002817	.000719	.001020	.013951	.0020235
%RSD	.9132501	2.065857	81.18390	29.93934	555.1887	.3360866	8.926340
#1	2.556823	.0366318	.0003577	-.003163	-.000134	4.158447	.0203820
#2	2.549731	.0372995	.0006233	-.002301	.000810	4.134941	.0242271
#3	2.593409	.0357916	.0000601	-.001736	-.001228	4.159712	.0233979

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3704-03LX5 Acquired: 8/23/2024 13:46:24 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.7439664	.0032499	.4730979
Stddev	.0033902	.0095993	.0041183
%RSD	.4556941	295.3685	.8705040
#1	.7416438	-.005897	.4777297
#2	.7423987	.002401	.4717151
#3	.7478568	.013246	.4698490

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3997.983	56404.76	7014.480	3144.316	5308.120
Stddev	28.683	194.49	63.739	4.391	36.246
%RSD	.7174311	.3448162	.9086748	.1396535	.6828419
#1	4029.234	56222.06	6948.348	3146.325	5347.748
#2	3991.856	56609.22	7019.570	3147.344	5299.967
#3	3972.859	56383.01	7075.521	3139.280	5276.644

Sample Name: P3704-03DUP Acquired: 8/23/2024 13:50:52 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001078	.0008976	.0004128	-.000908	-.000535	.0468805	.1447420
Stddev	.002541	.0016636	.0007055	.000715	.000962	.0051205	.0012886
%RSD	235.6837	185.3318	170.8948	78.74923	179.6554	10.92237	.8902483
#1	-.004012	-.000359	.0001633	-.001097	.000132	.0424853	.1462229
#2	.000434	.002784	-.000134	-.000117	-.001637	.0456530	.1438764
#3	.000344	.000268	.001209	-.001509	-.000100	.0525031	.1441268

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001622	.0003328	12.82379	.0011011	.0013403	.0045034	.0204580
Stddev	.0000549	.0000681	.04411	.0002882	.0002032	.0005065	.0026984
%RSD	33.87743	20.46733	.3439401	26.17638	15.16050	11.24651	13.18979
#1	.0001949	.0002883	12.86681	.0009214	.0015626	.0040224	.0231349
#2	.0000987	.0004112	12.82591	.0014336	.0011641	.0044558	.0205004
#3	.0001929	.0002990	12.77867	.0009484	.0012942	.0050320	.0177387

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0803934	2.849056	.0020785	-.000627	134.4708	.0016443	.2695919
Stddev	.0006998	.043884	.0001004	.000137	.9085	.0067616	.0004290
%RSD	.8705218	1.540299	4.832228	21.81992	.6756388	411.2065	.1591141
#1	.0803926	2.867503	.0019626	-.000490	135.5061	.0032907	.2693339
#2	.0810937	2.798960	.0021397	-.000628	134.0995	-.005788	.2700870
#3	.0796940	2.880705	.0021333	-.000764	133.8066	.007431	.2693547

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9772353	.0079670	.0001035	-.000342	.0001401	.8057072	.0017607
Stddev	.0608389	.0007185	.0003629	.000417	.0015961	.0150745	.0014360
%RSD	6.225615	9.019156	350.6292	122.0960	1138.848	1.870961	81.56233
#1	.9219125	.0081056	.0002391	-.000724	-.001560	.8186725	.0006119
#2	.9674011	.0071892	.0003791	.000103	.001606	.8092825	.0033706
#3	1.042392	.0086061	-.000308	-.000404	.000374	.7891664	.0012995

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3704-03DUP Acquired: 8/23/2024 13:50:52 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1326281	.0042816	.0993324
Stddev	.0021376	.0054227	.0004246
%RSD	1.611724	126.6516	.4274565
#1	.1342897	.0068083	.0996989
#2	.1302166	-.001943	.0994312
#3	.1333781	.007980	.0988671

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4331.184	57777.10	6697.672	3219.337	5982.610
Stddev	12.236	254.76	7.975	10.443	15.640
%RSD	.2825195	.4409289	.1190691	.3243826	.2614263
#1	4317.366	57489.69	6693.695	3207.909	5968.599
#2	4340.650	57975.11	6692.468	3221.718	5999.484
#3	4335.534	57866.48	6706.853	3228.384	5979.748

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3704-03MS Acquired: 8/23/2024 13:55:16 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8777517	2.019691	1.021019	2.174873	.8279390	2.255855	.8698486
Stddev	.0013373	.021280	.001287	.001488	.0026351	.019811	.0063513
%RSD	.1523543	1.053609	.1260590	.0684186	.3182676	.8781846	.7301615
#1	.8792941	2.004374	1.022503	2.173179	.8249422	2.243832	.8630148
#2	.8770447	2.043989	1.020212	2.175472	.8289811	2.278720	.8755706
#3	.8769162	2.010711	1.020341	2.175968	.8298936	2.245013	.8709605

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1915081	.2087672	61.59457	.4107385	.2136542	.3246794	3.360552
Stddev	.0014712	.0004199	.29092	.0008982	.0002098	.0004522	.042756
%RSD	.7681898	.2011595	.4723214	.2186753	.0982017	.1392620	1.272276
#1	.1906840	.2088454	61.29192	.4104177	.2137171	.3241788	3.333077
#2	.1932066	.2091425	61.87214	.4100448	.2138254	.3250581	3.338767
#3	.1906336	.2083136	61.61965	.4117530	.2134202	.3248014	3.409813

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5812327	15.27908	.5333693	.0773519	668.7606	.3010690	1.601587
Stddev	.0036802	.18052	.0005615	.0003616	4.8366	.0043958	.002530
%RSD	.6331652	1.181467	.1052777	.4675375	.7232156	1.460072	.1579718
#1	.5770284	15.09935	.5340025	.0774535	674.1605	.3004051	1.604507
#2	.5838700	15.46038	.5331737	.0769504	664.8266	.3057591	1.600036
#3	.5827999	15.27750	.5329318	.0776519	667.2947	.2970429	1.600219

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.30653	.2891647	.4109296	.7296059	.1931578	4.964749	6.794745
Stddev	.14426	.0025546	.0014709	.0027010	.0002550	.043636	.032535
%RSD	1.008321	.8834306	.3579385	.3702032	.1320114	.8789153	.4788261
#1	14.15527	.2870257	.4117555	.7309131	.1929279	4.931998	6.799993
#2	14.32174	.2919932	.4118020	.7314047	.1934321	4.947964	6.824337
#3	14.44257	.2884750	.4092314	.7265000	.1931134	5.014285	6.759905

Sample Name: P3704-03MS Acquired: 8/23/2024 13:55:16 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.7406569	.1787732	.6665371
Stddev	.0026170	.0041639	.0045503
%RSD	.3533311	2.329161	.6826809
#1	.7376747	.1749360	.6619236
#2	.7425704	.1832008	.6710215
#3	.7417255	.1781828	.6666660

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3940.651	54717.05	6913.618	3061.503	5236.412
Stddev	3.765	98.68	56.827	1.556	10.593
%RSD	.0955319	.1803391	.8219559	.0508145	.2023003
#1	3936.679	54750.84	6949.612	3060.354	5225.422
#2	3941.107	54794.39	6848.106	3063.273	5237.258
#3	3944.167	54605.92	6943.135	3060.882	5246.557

Sample Name: P3704-03MSD Acquired: 8/23/2024 13:59:34 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8421694	2.019652	.9895194	2.080954	.8023232	2.184451	.8527484
Stddev	.0038031	.057291	.0051701	.013265	.0047643	.020395	.0092911
%RSD	.4515851	2.836658	.5224868	.6374581	.5938197	.9336516	1.089553
#1	.8378763	1.955769	.9841851	2.065666	.7968268	2.162646	.8431541
#2	.8435158	2.036714	.9945079	2.089417	.8048689	2.187648	.8617034
#3	.8451162	2.066474	.9898652	2.087779	.8052740	2.203058	.8533876

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1861705	.2023487	60.36844	.4065317	.2069990	.3123325	3.237060
Stddev	.0020781	.0007115	.52616	.0035346	.0010532	.0016296	.004670
%RSD	1.116231	.3516295	.8715740	.8694614	.5088154	.5217517	.1442551
#1	.1852792	.2015407	59.79459	.4094489	.2058143	.3105607	3.241078
#2	.1885456	.2026239	60.82816	.4075452	.2078295	.3126696	3.231937
#3	.1846868	.2028815	60.48257	.4026011	.2073533	.3137671	3.238165

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5687349	15.03964	.5162894	.0752633	655.5158	.2873285	1.581866
Stddev	.0066268	.15891	.0027185	.0014150	7.5788	.0102563	.014246
%RSD	1.165186	1.056604	.5265448	1.880070	1.156164	3.569535	.9005620
#1	.5617893	14.86902	.5131554	.0768946	651.7269	.2954222	1.595682
#2	.5749886	15.18342	.5177019	.0745276	664.2419	.2907690	1.582691
#3	.5694268	15.06648	.5180108	.0743677	650.5785	.2757943	1.567226

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.79421	.2821573	.4040408	.7111581	.1877901	4.838471	6.467156
Stddev	.11266	.0022306	.0025460	.0031299	.0025983	.008451	.053150
%RSD	.8167161	.7905711	.6301477	.4401144	1.383630	.1746567	.8218496
#1	13.68616	.2820102	.4011015	.7085582	.1849257	4.848164	6.405935
#2	13.78549	.2844578	.4054566	.7102840	.1899954	4.834603	6.494029
#3	13.91098	.2800038	.4055642	.7146322	.1884493	4.832647	6.501504

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3704-03MSD Acquired: 8/23/2024 13:59:34 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.7067209	.1754479	.6530485
Stddev	.0078884	.0019424	.0077101
%RSD	1.116198	1.107112	1.180626
#1	.6979552	.1744721	.6450527
#2	.7132482	.1776847	.6604369
#3	.7089595	.1741869	.6536557

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4094.807	56136.70	7046.204	3119.688	5454.079
Stddev	10.577	245.50	82.671	10.546	11.393
%RSD	.2583032	.4373339	1.173275	.3380367	.2088845
#1	4101.981	55945.51	7103.359	3108.508	5463.571
#2	4099.780	56051.03	6951.410	3121.100	5457.220
#3	4082.660	56413.56	7083.842	3129.457	5441.445

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3685-04DUP Acquired: 8/23/2024 14:03:51 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004089	.0022888	.0173941	.0023804	.0012921	-.012962	.5457033
Stddev	.001074	.0028821	.0012246	.0029874	.0008468	.023290	.0018925
%RSD	26.25967	125.9232	7.040300	125.4993	65.53251	179.6766	.3468026
#1	-.003770	.0056116	.0163184	.0058291	.0021178	-.039474	.5435180
#2	-.003211	.0007872	.0187268	.0007209	.0004257	-.003619	.5467824
#3	-.005287	.0004675	.0171370	.0005912	.0013329	.004206	.5468094

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000207	.0025742	158.4367	.0032800	.0184420	.0274000	.1948853
Stddev	.0000221	.0001791	.3529	.0003665	.0000439	.0001663	.0046612
%RSD	106.5652	6.957729	.2227103	11.17521	.2378163	.6069837	2.391742
#1	.0000308	.0024373	158.0827	.0028567	.0184755	.0272223	.1918442
#2	.0000360	.0025084	158.4390	.0034924	.0184582	.0274258	.2002517
#3	-.000005	.0027769	158.7884	.0034909	.0183924	.0275519	.1925601

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.118747	18.20004	.0343772	-.000925	640.0026	-.002922	.3004007
Stddev	.004246	.04852	.0004131	.000130	4.1272	.004508	.0013208
%RSD	.2003928	.2666202	1.201715	14.06115	.6448768	154.2877	.4396897
#1	2.114578	18.15765	.0340314	-.001008	639.5463	.002260	.3001514
#2	2.118597	18.18951	.0342656	-.000993	636.1224	-.005940	.2992222
#3	2.123065	18.25297	.0348347	-.000775	644.3390	-.005084	.3018284

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.379943	.1095431	.0011785	-.000240	-.002932	1.372121	.0030370
Stddev	.067424	.0002422	.0003306	.001045	.002486	.014726	.0014423
%RSD	2.833029	.2210775	28.05566	434.4994	84.78537	1.073203	47.49101
#1	2.457372	.1092913	.0008480	-.000692	-.000091	1.356190	.0032363
#2	2.348275	.1097743	.0011782	-.000983	-.003997	1.374940	.0043693
#3	2.334182	.1095635	.0015093	.000954	-.004707	1.385233	.0015054

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3685-04DUP Acquired: 8/23/2024 14:03:51 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.434468	.0186259	.3591358
Stddev	.018545	.0054058	.0009466
%RSD	.7617884	29.02307	.2635806
#1	2.413498	.0160226	.3585866
#2	2.441194	.0150143	.3585921
#3	2.448712	.0248408	.3602289

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3965.727	56798.63	6881.739	3132.117	5232.216
Stddev	5.367	181.19	8.196	6.303	5.589
%RSD	.1353447	.3189967	.1191008	.2012492	.1068143
#1	3964.352	56950.27	6889.708	3133.613	5230.420
#2	3961.180	56847.64	6882.176	3137.537	5227.746
#3	3971.648	56597.98	6873.333	3125.200	5238.482

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCV05 Acquired: 8/23/2024 14:08:16 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.912676	4.810652	4.874764	4.952548	4.899925	9.896482	9.853818
Stddev	.072500	.049024	.083013	.067424	.068130	.060512	.038831
%RSD	1.475781	1.019066	1.702908	1.361403	1.390430	.6114462	.3940734
#1	4.857958	4.777275	4.804020	4.900593	4.843645	9.920658	9.845632
#2	4.885166	4.787746	4.854120	4.928311	4.880461	9.941168	9.896090
#3	4.994906	4.866936	4.966150	5.028741	4.975669	9.827620	9.819732

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2509379	2.448145	24.87002	.9853572	2.432291	1.228526	4.920770
Stddev	.0005379	.039740	.13603	.0035791	.042364	.019213	.012451
%RSD	.2143653	1.623253	.5469750	.3632263	1.741732	1.563891	.2530313
#1	.2504645	2.414316	24.89776	.9881823	2.397085	1.212125	4.918214
#2	.2515229	2.438210	24.99004	.9813324	2.420480	1.223788	4.934300
#3	.2508265	2.491910	24.72225	.9865569	2.479307	1.249664	4.909795

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.471592	24.48604	2.439956	1.235182	25.27781	2.449617	2.464949
Stddev	.010548	.11154	.041858	.001686	.09208	.004716	.001573
%RSD	.4267718	.4555316	1.715528	.1364667	.3642574	.1925144	.0638242
#1	2.468426	24.45839	2.405614	1.236464	25.25742	2.447527	2.465977
#2	2.483360	24.60880	2.427672	1.233273	25.37838	2.455017	2.465731
#3	2.462989	24.39092	2.486582	1.235810	25.19765	2.446308	2.463138

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.07178	4.989414	4.898031	4.884719	4.955878	4.775601	4.969545
Stddev	.06573	.006705	.066904	.077033	.018290	.016699	.084269
%RSD	.2621774	.1343887	1.365931	1.577020	.3690551	.3496768	1.695718
#1	25.06579	4.982667	4.842599	4.823093	4.952895	4.764786	4.899200
#2	25.14030	4.996076	4.879148	4.859981	4.975476	4.767184	4.946494
#3	25.00925	4.989499	4.972347	4.971081	4.939263	4.794834	5.062942

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCV05 Acquired: 8/23/2024 14:08:16 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.783702	4.685647	4.991916
Stddev	.078702	.015314	.039194
%RSD	1.645210	.3268171	.7851535
#1	4.722791	4.680159	4.960637
#2	4.755750	4.702949	5.035883
#3	4.872565	4.673835	4.979229

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4125.574	57376.95	6432.376	3149.481	5715.250
Stddev	57.436	25.56	20.460	6.576	85.637
%RSD	1.392188	.0445483	.3180766	.2088029	1.498390
#1	4180.543	57405.92	6450.869	3155.571	5795.253
#2	4130.224	57357.58	6410.397	3142.508	5725.579
#3	4065.954	57367.35	6435.862	3150.365	5624.917

Sample Name: CCB05 Acquired: 8/23/2024 14:12:27 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007097	.0005343	-.000493	.0008790	.0007320	-.007193
Stddev	.0052367	.0009263	.000992	.0027995	.0008580	.009973
%RSD	737.8663	173.3589	201.3808	318.4925	117.2142	138.6484
#1	.0066263	.0004950	-.001538	-.001548	.0016123	-.004861
#2	-.001168	.0014797	.000437	.000244	.0006858	-.018125
#3	-.003330	-.000372	-.000378	.003942	-.000102	.001407

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052904	.0000380	-.000023	.0034935	.0007339	.0000680
Stddev	.0014455	.0000456	.000065	.0113629	.0008060	.0000635
%RSD	27.32368	120.0287	281.3973	325.2553	109.8245	93.42277
#1	.0066972	-.000014	.000011	.0122101	.0013744	-.000003
#2	.0038091	.000058	-.000098	.0076282	.0009984	.000086
#3	.0053649	.000070	.000018	-.009358	-.000171	.000121

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004867	-.002166	.0008678	.0281408	.0000622	-.000580
Stddev	.0002392	.012753	.0002948	.0254585	.0001664	.000320
%RSD	49.14123	588.6966	33.97492	90.46808	267.5738	55.09025
#1	.0007604	.007692	.0006681	.0539922	-.000130	-.000799
#2	.0003819	.002378	.0007289	.0030944	.000165	-.000213
#3	.0003178	-.016569	.0012065	.0273358	.000152	-.000728

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7574688	.0002329	.0003629	.6373389	.0052691	.0005990
Stddev	.0196077	.0009223	.0001576	.0220766	.0009726	.0001284
%RSD	2.588586	396.0455	43.43305	3.463873	18.45838	21.43717
#1	.7352829	.0012554	.0005009	.6429222	.0061266	.0005536
#2	.7646500	-.000536	.0001911	.6560879	.0042123	.0007440
#3	.7724736	-.000021	.0003968	.6130067	.0054684	.0004995

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCB05 Acquired: 8/23/2024 14:12:27 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB05 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0080775	-.001093	.0026336	-.000349	-.003043	F .0100391
Stddev	.0008032	.000621	.0104889	.001114	.003823	.0069968
%RSD	9.943602	56.85387	398.2725	318.8884	125.6465	69.69587
#1	.0083087	-.001810	-.001635	.000618	.000969	.0024770
#2	.0071840	-.000751	.014584	-.001568	-.003452	.0113571
#3	.0087397	-.000718	-.005048	-.000099	-.006644	.0162831

Elem	Sr4077
Units	ppm
Avg	.0001896
Stddev	.0000904
%RSD	47.69183
#1	.0001916
#2	.0002789
#3	.0000981

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4286.511	59252.89	6591.201	3300.413	6209.470
Stddev	29.837	192.36	14.589	9.853	42.517
%RSD	.6960746	.3246367	.2213365	.2985361	.6847115
#1	4255.938	59091.77	6576.198	3289.102	6163.088
#2	4288.040	59465.86	6605.337	3305.014	6218.724
#3	4315.554	59201.05	6592.067	3307.124	6246.597

Sample Name: PB162556TB Acquired: 8/23/2024 14:16:51 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014842	.0018612	.0006490	.0015627	-.001649	.0031663	.0029572
Stddev	.0018232	.0005082	.0006824	.0016518	.000794	.0159073	.0016645
%RSD	122.8362	27.30511	105.1359	105.7060	48.13139	502.3996	56.28604
#1	.0000775	.0021061	.0005752	-.000233	-.000935	.0186006	.0014363
#2	.0008312	.0022006	.0013653	.001903	-.002504	-.013175	.0047353
#3	.0035440	.0012769	.0000066	.003018	-.001508	.004073	.0027001

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000328	-.000081	.0013000	.0001587	.0001939	.0002348	-.002106
Stddev	.0000288	.000065	.0124640	.0002096	.0002234	.0004044	.006317
%RSD	87.77193	79.49288	958.7922	132.0490	115.2216	172.2405	299.9369
#1	.0000132	-.000052	-.009121	-.000080	.0002693	-.000114	.000751
#2	.0000660	-.000156	.015107	.000246	-.000057	.000140	.002277
#3	.0000194	-.000037	-.002087	.000311	.000370	.000678	-.009347

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001112	-.011804	-.000121	-.000413	.4665292	.0003347	-.000033
Stddev	.0003070	.017867	.000069	.000803	.0284302	.0026962	.000253
%RSD	276.0486	151.3547	56.78964	194.3844	6.093972	805.4939	772.4557
#1	.0004587	-.031682	-.000196	.000058	.4437031	-.002596	-.000160
#2	-.000002	-.006648	-.000060	.000043	.4575093	.000889	-.000197
#3	-.000123	.002917	-.000108	-.001340	.4983751	.002711	.000259

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3567757	.0023026	.0003463	-.000019	.0000018	-.008215	.0004927
Stddev	.0676815	.0000796	.0003543	.000642	.0019200	.001078	.0012805
%RSD	18.97033	3.458979	102.3210	3421.562	104219.5	13.12666	259.9117
#1	.2881471	.0022247	.0003058	.000628	.0019400	-.008136	.0002795
#2	.3587113	.0023839	.0000139	-.000655	-.000035	-.007178	.0018664
#3	.4234686	.0022992	.0007191	-.000030	-.001899	-.009330	-.000668

Sample Name: PB162556TB Acquired: 8/23/2024 14:16:51 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.004937	-.000955	-.000037
Stddev	.002098	.004583	.000051
%RSD	42.49748	479.8698	139.1006
#1	-.003504	.004146	.000018
#2	-.003961	-.004727	-.000045
#3	-.007345	-.002284	-.000083

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4192.978	59152.83	6770.377	3305.143	6060.160
Stddev	6.266	952.90	48.946	57.542	12.738
%RSD	.1494299	1.610917	.7229431	1.740974	.2101891
#1	4188.065	59684.41	6715.243	3338.121	6050.276
#2	4190.835	59721.36	6787.183	3338.607	6055.668
#3	4200.033	58052.72	6808.707	3238.700	6074.535

Sample Name: P3685-04LX5 Acquired: 8/23/2024 14:21:15 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007539	.0009193	.0020541	.0020236	-.001845	-.000541	.1160227
Stddev	.0008064	.0017947	.0014676	.0030031	.001056	.010406	.0013095
%RSD	106.9622	195.2186	71.44718	148.4056	57.26157	1924.483	1.128680
#1	.0015279	.0014685	.0032288	.0041021	-.000834	.009917	.1154205
#2	-.000081	-.001086	.0004090	.0033880	-.001759	-.000646	.1151226
#3	.000815	.002375	.0025245	-.001420	-.002941	-.010894	.1175250

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000429	.0003866	33.15998	.0005205	.0036597	.0064680	.1081513
Stddev	.0000758	.0000650	.10215	.0000355	.0000809	.0002034	.0078254
%RSD	176.7098	16.81958	.3080447	6.814999	2.211398	3.144800	7.235601
#1	-.000040	.0003476	33.06035	.0004956	.0037263	.0065952	.1146733
#2	.000059	.0004617	33.15514	.0005047	.0035697	.0062334	.0994742
#3	.000110	.0003505	33.26447	.0005611	.0036832	.0065753	.1103063

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4418211	3.834126	.0070183	-.000626	131.3633	.0034087	.0589128
Stddev	.0007253	.047389	.0000805	.000599	.6729	.0022088	.0005511
%RSD	.1641585	1.235977	1.147324	95.74581	.5122232	64.79748	.9354222
#1	.4422263	3.788145	.0071113	-.001292	132.1305	.0041017	.0587046
#2	.4409837	3.831426	.0069717	-.000455	131.0862	.0051878	.0595377
#3	.4422532	3.882807	.0069720	-.000131	130.8732	.0009365	.0584962

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6460368	.0264034	.0000743	-.001045	-.001496	.2670075	-.001243
Stddev	.0893809	.0008761	.0002722	.000427	.000914	.0120275	.001969
%RSD	13.83527	3.318051	366.2428	40.82916	61.10588	4.504564	158.4624
#1	.5489404	.0266280	-.000090	-.000558	-.002531	.2801658	-.002794
#2	.7248863	.0271454	.000388	-.001221	-.001158	.2565806	.000972
#3	.6642837	.0254370	-.000075	-.001355	-.000799	.2642760	-.001906

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3685-04LX5 Acquired: 8/23/2024 14:21:15 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4735384	.0053809	.0746239
Stddev	.0021697	.0014548	.0001488
%RSD	.4581857	27.03682	.1993521
#1	.4711320	.0051082	.0747545
#2	.4741380	.0069527	.0744620
#3	.4753453	.0040817	.0746552

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4129.238	58653.30	6681.998	3233.116	5644.521
Stddev	21.737	264.85	18.819	9.746	28.147
%RSD	.5264240	.4515578	.2816353	.3014518	.4986601
#1	4107.704	58347.72	6680.271	3236.161	5615.047
#2	4128.836	58816.71	6701.621	3222.211	5647.396
#3	4151.173	58795.48	6664.103	3240.977	5671.121

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3669-01DUP Acquired: 8/23/2024 14:25:37 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0135902	.0126627	.2422069	-.015848	.0086476	102.1787
Stddev	.0043966	.0010660	.0015727	.002521	.0019385	.2135
%RSD	32.35111	8.418183	.6493303	15.90531	22.41654	.2089576
#1	.0178185	.0118380	.2417665	-.012959	.0069561	102.1387
#2	.0090427	.0122837	.2409012	-.017600	.0107629	102.4093
#3	.0139094	.0138664	.2439528	-.016985	.0082238	101.9880

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4084566	.0067758	-.004692	37.73948	.1923491	.1129650
Stddev	.0014868	.0000650	.000093	.06934	.0002948	.0001882
%RSD	.3639925	.9601046	1.987730	.1837204	.1532852	.1665735
#1	.4070255	.0067007	-.004728	37.70489	.1926469	.1127482
#2	.4099933	.0068146	-.004586	37.81930	.1923432	.1130860
#3	.4083510	.0068122	-.004763	37.69424	.1920573	.1130608

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2629499	242.3388	2.936817	53.01743	.2346618	.0088723
Stddev	.0022538	.8662	.001583	.12899	.0008085	.0001639
%RSD	.8571157	.3574495	.0539097	.2433048	.3445481	1.846918
#1	.2603958	242.2301	2.935918	53.06235	.2337723	.0090178
#2	.2646594	241.5320	2.938645	52.87198	.2348609	.0086948
#3	.2637946	243.2543	2.935888	53.11796	.2353521	.0089043

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.744982	.2348317	.9131569	12.85534	.0479288	.0029301
Stddev	.015044	.0089882	.0025927	.08222	.0019936	.0001517
%RSD	.8621064	3.827491	.2839255	.6395435	4.159457	5.178075
#1	1.727882	.2276820	.9117821	12.80050	.0482727	.0027549
#2	1.750885	.2318911	.9161474	12.81565	.0457857	.0030195
#3	1.756179	.2449218	.9115411	12.94987	.0497281	.0030158

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3669-01DUP Acquired: 8/23/2024 14:25:37 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092982	3.331060	F 10.63576	6.336353	3.142904	.1654535
Stddev	.0007878	.004802	.07480	.006209	.004928	.0054406
%RSD	8.472255	.1441694	.7033269	.0979964	.1568030	3.288298
#1	.0089038	3.334200	10.65248	6.330370	3.137477	.1664165
#2	.0087855	3.333448	10.55401	6.342767	3.144135	.1595957
#3	.0102052	3.325532	10.70079	6.335922	3.147100	.1703483

Elem	Sr4077
Units	ppm
Avg	-.137742
Stddev	.000830
%RSD	.6023900
#1	-.137840
#2	-.136867
#3	-.138518

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4548.557	62349.41	7636.071	3488.561	5571.872
Stddev	10.991	216.06	18.213	6.904	10.228
%RSD	.2416428	.3465314	.2385115	.1979159	.1835641
#1	4561.182	62443.03	7652.989	3491.657	5582.294
#2	4543.369	62502.88	7616.793	3493.375	5571.473
#3	4541.120	62102.33	7638.432	3480.650	5561.849

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3669-01LX5 Acquired: 8/23/2024 14:29:49 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032712	.0031164	.0513607	-.003448	.0020851	25.01387	.1023205
Stddev	.0008890	.0019454	.0012036	.003334	.0030009	.09517	.0018003
%RSD	27.17811	62.42555	2.343461	96.71641	143.9194	.3804559	1.759466
#1	.0022481	.0053627	.0515819	.000363	.0013586	25.06051	.1033716
#2	.0037090	.0019769	.0524384	-.005831	.0053826	24.90438	.1002418
#3	.0038564	.0020096	.0500618	-.004875	-.000486	25.07671	.1033482

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017799	-.001411	9.261463	.0456558	.0237003	.0656169	54.55465
Stddev	.0000469	.000082	.023449	.0004952	.0002814	.0016622	.67566
%RSD	2.637047	5.811244	.2531846	1.084703	1.187418	2.533207	1.238503
#1	.0018153	-.001335	9.282036	.0457114	.0239606	.0672265	55.08083
#2	.0017267	-.001498	9.235932	.0461209	.0237386	.0657175	54.79044
#3	.0017978	-.001400	9.266423	.0451351	.0234017	.0639066	53.79270

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7293066	13.21630	.0495755	.0011178	.5656960	.0602088	.2118631
Stddev	.0025960	.02751	.0012761	.0003502	.0289139	.0045460	.0017369
%RSD	.3559587	.2081350	2.574116	31.33066	5.111210	7.550340	.8198097
#1	.7322970	13.24717	.0508223	.0015186	.5324549	.0550131	.2124458
#2	.7276311	13.19439	.0496322	.0009637	.5796169	.0634544	.2132337
#3	.7279918	13.20733	.0482720	.0008710	.5850161	.0621588	.2099098

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.974801	.0023625	.0004580	.0018423	.8089537	2.354782	1.355328
Stddev	.051678	.0017021	.0002612	.0006624	.0028846	.035657	.028449
%RSD	1.737177	72.04548	57.04235	35.95490	.3565904	1.514245	2.099044
#1	2.917806	.0038844	.0001568	.0018688	.8120540	2.377414	1.386104
#2	3.018604	.0026785	.0006237	.0024910	.8084584	2.373254	1.349888
#3	2.987994	.0005246	.0005935	.0011670	.8063488	2.313679	1.329992

Sample Name: P3669-01LX5 Acquired: 8/23/2024 14:29:49 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6653868	.0432494	-.028842
Stddev	.0161653	.0042688	.000670
%RSD	2.429454	9.870188	2.323373
#1	.6814166	.0471015	-.029335
#2	.6656544	.0439868	-.029113
#3	.6490894	.0386600	-.028079

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4240.950	62710.82	7031.103	3446.496	5831.964
Stddev	21.066	510.19	16.305	28.324	44.810
%RSD	.4967312	.8135668	.2318942	.8218336	.7683456
#1	4216.737	62515.92	7048.695	3434.642	5780.494
#2	4251.043	62326.81	7028.115	3426.024	5853.116
#3	4255.071	63289.74	7016.499	3478.821	5862.283

Sample Name: P3669-01MS Acquired: 8/23/2024 14:34:04 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7565603	2.015296	1.229733	1.774257	.7266958	101.8000
Stddev	.0028942	.032342	.003344	.004208	.0053936	.3433
%RSD	.3825465	1.604844	.2719600	.2371716	.7422066	.3372103
#1	.7535035	2.041604	1.225936	1.771075	.7212876	101.6389
#2	.7592584	2.025098	1.231023	1.772666	.7267250	101.5669
#3	.7569188	1.979187	1.232240	1.779028	.7320747	102.1942

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5724116	.1742112	.1918408	38.10346	.5433435	.3124614
Stddev	.0030271	.0011657	.0005960	.09260	.0019267	.0012940
%RSD	.5288313	.6691403	.3107008	.2430110	.3546039	.4141389
#1	.5716403	.1748567	.1912011	38.04536	.5451603	.3111841
#2	.5698447	.1728655	.1919407	38.05478	.5413231	.3124284
#3	.5757497	.1749113	.1923805	38.21025	.5435471	.3137716

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5253791	242.5253	3.054606	53.46812	.7313453	.0768449
Stddev	.0017300	2.0689	.009198	.06960	.0021733	.0006486
%RSD	.3292938	.8530589	.3011159	.1301661	.2971591	.8439835
#1	.5253508	240.2971	3.050302	53.46112	.7289463	.0763027
#2	.5236635	244.3856	3.048348	53.40228	.7319070	.0775634
#3	.5271232	242.8932	3.065166	53.54095	.7331825	.0766687

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.341817	.4852450	1.079529	21.85971	.2768024	.3613221
Stddev	.085824	.0040388	.003196	.15179	.0041801	.0005584
%RSD	1.976693	.8323272	.2960535	.6944013	1.510147	.1545342
#1	4.242850	.4898465	1.075844	21.68991	.2723923	.3609062
#2	4.386842	.4822873	1.081537	21.98227	.2807064	.3611033
#3	4.395760	.4836012	1.081208	21.90695	.2773086	.3619567

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3669-01MS Acquired: 8/23/2024 14:34:04 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7104475	3.450381	F 11.15448	F 12.39103	3.160942	.3196368
Stddev	.0018109	.012727	.07023	.01382	.005449	.0047439
%RSD	.2548948	.3688514	.6295826	.1114985	.1723733	1.484154
#1	.7084112	3.439849	11.07644	12.37651	3.155037	.3177432
#2	.7110539	3.446770	11.21257	12.39255	3.162015	.3161323
#3	.7118774	3.464523	11.17443	12.40402	3.165775	.3250351

Elem	Sr4077
Units	ppm
Avg	.0286804
Stddev	.0020557
%RSD	7.167464
#1	.0300902
#2	.0263217
#3	.0296293

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4471.055	62469.84	7706.424	3479.526	5477.472
Stddev	14.361	506.90	53.712	39.948	18.848
%RSD	.3211903	.8114334	.6969752	1.148092	.3440917
#1	4487.423	63041.10	7721.601	3525.195	5498.815
#2	4460.568	62294.66	7750.915	3462.315	5463.113
#3	4465.175	62073.77	7646.757	3451.067	5470.489

Sample Name: P3669-01MSD Acquired: 8/23/2024 14:38:11 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7729609	2.048887	1.247724	1.833340	.7419547	100.7730
Stddev	.0024067	.053796	.004600	.008731	.0007961	.1439
%RSD	.3113590	2.625622	.3686335	.4762335	.1073011	.1428352
#1	.7755072	2.110225	1.252980	1.842744	.7418518	100.6345
#2	.7726515	2.009720	1.244436	1.825491	.7412150	100.7628
#3	.7707238	2.026715	1.245757	1.831786	.7427973	100.9218

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5776353	.1793369	.1980043	37.59874	.5400252	.3151999
Stddev	.0015343	.0004725	.0006714	.03496	.0038221	.0006514
%RSD	.2656123	.2634453	.3390611	.0929899	.7077679	.2066676
#1	.5793725	.1798725	.1987563	37.57880	.5428673	.3157899
#2	.5770679	.1789791	.1974652	37.57831	.5415283	.3145008
#3	.5764656	.1791593	.1977914	37.63911	.5356800	.3153089

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5381191	227.5441	3.044516	53.33101	.7397827	.0763870
Stddev	.0014583	.7879	.005711	.02927	.0017775	.0010165
%RSD	.2709954	.3462680	.1875766	.0548855	.2402721	1.330704
#1	.5391459	228.1725	3.042680	53.31919	.7417276	.0770718
#2	.5364499	227.7997	3.039948	53.30949	.7382422	.0768703
#3	.5387615	226.6601	3.050918	53.36434	.7393783	.0752191

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.148926	.4992074	1.040792	20.91686	.2581238	.3667892
Stddev	.039982	.0012305	.008363	.00689	.0022442	.0010559
%RSD	.9636760	.2464909	.8035021	.0329614	.8694115	.2878629
#1	4.173291	.4995834	1.048348	20.92387	.2556705	.3678318
#2	4.170704	.4978327	1.042221	20.91663	.2600731	.3657206
#3	4.102783	.5002060	1.031806	20.91008	.2586280	.3668153

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3669-01MSD Acquired: 8/23/2024 14:38:11 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7185010	3.429972	F 10.55777	F 12.44039	3.115677	.3241898
Stddev	.0033480	.002247	.05034	.06262	.017802	.0040253
%RSD	.4659734	.0655178	.4768221	.5033243	.5713648	1.241635
#1	.7223299	3.428794	10.61407	12.51264	3.135926	.3206645
#2	.7161241	3.428559	10.54215	12.40660	3.102487	.3233292
#3	.7170490	3.432563	10.51709	12.40192	3.108619	.3285758

Elem	Sr4077
Units	ppm
Avg	.0502299
Stddev	.0013071
%RSD	2.602274
#1	.0497234
#2	.0492518
#3	.0517145

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4518.523	66973.60	7799.306	3672.993	5553.772
Stddev	10.454	520.04	24.733	31.480	20.791
%RSD	.2313553	.7764918	.3171128	.8570634	.3743606
#1	4510.074	66932.65	7813.956	3680.229	5533.451
#2	4515.282	66475.25	7770.750	3638.525	5552.862
#3	4530.214	67512.92	7813.211	3700.225	5575.003

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3669-01A Acquired: 8/23/2024 14:42:18 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7665292	1.982457	1.239624	1.812935	.7354310	102.4619
Stddev	.0033453	.036151	.005237	.003193	.0043625	.1200
%RSD	.4364229	1.823523	.4224984	.1761416	.5931826	.1171437
#1	.7638070	2.005573	1.233723	1.809355	.7307083	102.3280
#2	.7655169	1.940797	1.241431	1.813960	.7393099	102.5600
#3	.7702638	2.000999	1.243719	1.815490	.7362747	102.4976

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5717284	.1798939	.1962173	37.66970	.5327172	.3151644
Stddev	.0018670	.0004010	.0008421	.01569	.0008280	.0004942
%RSD	.3265511	.2229048	.4291594	.0416383	.1554286	.1568006
#1	.5737785	.1798706	.1952942	37.65309	.5335999	.3146051
#2	.5712806	.1803060	.1964143	37.68426	.5319577	.3155420
#3	.5701260	.1795051	.1969434	37.67175	.5325940	.3153462

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5520271	222.9121	3.054377	53.76603	.7390094	.0723471
Stddev	.0040698	.5893	.006638	.07170	.0034264	.0002545
%RSD	.7372483	.2643570	.2173209	.1333637	.4636470	.3518108
#1	.5473820	223.0357	3.061985	53.81967	.7350531	.0720709
#2	.5537326	222.2708	3.051381	53.79383	.7410090	.0725722
#3	.5549666	223.4298	3.049765	53.68459	.7409663	.0723981

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.042527	.4942111	1.043879	20.48328	.2451624	.3625703
Stddev	.019239	.0077572	.001507	.06147	.0009565	.0014703
%RSD	.4759144	1.569614	.1443180	.3000991	.3901433	.4055285
#1	4.021051	.5012486	1.045586	20.46008	.2456658	.3609577
#2	4.048345	.4954912	1.042736	20.43679	.2440593	.3629169
#3	4.058186	.4858935	1.043314	20.55298	.2457620	.3638364

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3669-01A Acquired: 8/23/2024 14:42:18 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7150599	3.463807	F 10.72209	F 12.51335	3.204310	.3293532
Stddev	.0028778	.007873	.01407	.02260	.017622	.0022594
%RSD	.4024596	.2272934	.1312551	.1805923	.5499319	.6860219
#1	.7128510	3.460358	10.70611	12.48981	3.189247	.3317372
#2	.7140143	3.458246	10.72753	12.51537	3.199995	.3272433
#3	.7183143	3.472815	10.73263	12.53487	3.223688	.3290792

Elem	Sr4077
Units	ppm
Avg	.0489056
Stddev	.0008890
%RSD	1.817827
#1	.0488541
#2	.0498192
#3	.0480434

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4429.568	66416.15	7528.382	3648.491	5432.375
Stddev	13.499	168.81	31.300	11.919	12.683
%RSD	.3047517	.2541626	.4157627	.3266888	.2334778
#1	4445.070	66224.15	7499.236	3634.773	5447.008
#2	4420.402	66483.08	7524.445	3656.313	5424.544
#3	4423.232	66541.24	7561.464	3654.388	5425.573

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3686-02 Acquired: 8/23/2024 14:46:25 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0278131	.0202127	2.212237	-.028013	.0256715	204.9510
Stddev	.0017652	.0033539	.013285	.001444	.0023421	.3801
%RSD	6.346714	16.59314	.6005074	5.156105	9.123497	.1854680
#1	.0270657	.0240078	2.197010	-.027079	.0260053	204.5149
#2	.0265446	.0189837	2.218244	-.029677	.0278288	205.1268
#3	.0298291	.0176467	2.221458	-.027283	.0231803	205.2114

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.033261	.0124159	.0026792	198.7715	.5798092	.2254066
Stddev	.005592	.0002186	.0001987	.5226	.0017095	.0015503
%RSD	.2750305	1.760957	7.415395	.2629152	.2948370	.6877677
#1	2.026900	.0121753	.0025336	198.1824	.5778486	.2239021
#2	2.035480	.0126024	.0029055	198.9527	.5805902	.2253189
#3	2.037403	.0124701	.0025985	199.1794	.5809886	.2269989

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7952946	372.0293	5.163308	117.6180	.4987147	.0144709
Stddev	.0047701	.7600	.021208	.3794	.0025826	.0006338
%RSD	.5997897	.2042890	.4107457	.3225399	.5178513	4.379900
#1	.7902741	371.2743	5.138846	117.1801	.4957391	.0149835
#2	.7958427	372.0193	5.176534	117.8468	.5000309	.0146671
#3	.7997669	372.7942	5.174543	117.8272	.5003739	.0137622

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.76648	.7484125	2.057123	65.37251	-.156528	.0220379
Stddev	.06250	.0049000	.007517	.10472	.003186	.0005646
%RSD	.5805436	.6547235	.3654006	.1601959	2.035651	2.562169
#1	10.69663	.7440811	2.053210	65.28873	-.157885	.0222124
#2	10.78569	.7474255	2.052370	65.33888	-.158811	.0214066
#3	10.81713	.7537309	2.065789	65.48991	-.152888	.0224947

Sample Name: P3686-02 Acquired: 8/23/2024 14:46:25 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0715866	F 16.09190	F 24.98123	9.051734	8.007629	.3106250
Stddev	.0008180	.04815	.01146	.038307	.048130	.0025031
%RSD	1.142669	.2992388	.0458718	.4231968	.6010545	.8058149
#1	.0709229	16.03666	24.96902	9.007697	7.952400	.3132057
#2	.0713365	16.11397	24.98292	9.077358	8.040615	.3104616
#3	.0725005	16.12506	24.99175	9.070146	8.029871	.3082075

Elem	Sr4077
Units	ppm
Avg	.1672362
Stddev	.0013887
%RSD	.8303806
#1	.1658875
#2	.1686617
#3	.1671592

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4441.706	63532.87	7271.792	3503.843	5212.958
Stddev	3.789	122.19	7.361	14.135	8.705
%RSD	.0853058	.1923233	.1012328	.4034017	.1669829
#1	4441.488	63392.22	7268.602	3494.565	5217.809
#2	4445.599	63593.60	7266.563	3520.111	5218.156
#3	4438.030	63612.80	7280.210	3496.853	5202.908

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3685-04MS Acquired: 8/23/2024 14:50:36 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8857918	2.060002	1.045051	2.183623	.8167482	1.985562	.7415253
Stddev	.0012696	.021450	.000956	.006020	.0027573	.008416	.0039996
%RSD	.1433282	1.041241	.0914938	.2756761	.3375970	.4238751	.5393806
#1	.8844794	2.036583	1.043996	2.178903	.8186601	1.995171	.7369270
#2	.8870138	2.078693	1.045295	2.190402	.8135874	1.982020	.7434518
#3	.8858821	2.064731	1.045861	2.181563	.8179970	1.979496	.7441972

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1975384	.2111280	159.3211	.4094550	.2288798	.3299799	3.426785
Stddev	.0010614	.0002295	.2874	.0007387	.0002662	.0003602	.031771
%RSD	.5373241	.1087072	.1803700	.1804159	.1163135	.1091649	.9271509
#1	.1975632	.2113600	159.6223	.4098884	.2291823	.3303519	3.406849
#2	.1964647	.2109011	159.0499	.4098746	.2287758	.3296328	3.463424
#3	.1985872	.2111228	159.2912	.4086021	.2286812	.3299549	3.410082

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.319020	20.15331	.5613262	.0762408	651.2351	.3017684	.5189478
Stddev	.004687	.00559	.0009076	.0004952	3.1691	.0031896	.0033865
%RSD	.2021014	.0277611	.1616879	.6495538	.4866315	1.056976	.6525646
#1	2.315887	20.15775	.5610957	.0768112	649.9575	.3053370	.5171614
#2	2.324408	20.15515	.5605561	.0759202	654.8436	.2991952	.5228534
#3	2.316766	20.14703	.5623268	.0759910	648.9042	.3007730	.5168285

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.73670	.3710584	.4079504	.7258760	.1917293	2.188732	6.914320
Stddev	.13714	.0007846	.0003990	.0010310	.0022389	.036016	.012854
%RSD	.9983202	.2114492	.0977958	.1420366	1.167736	1.645514	.1859073
#1	13.65833	.3701865	.4076215	.7249767	.1935486	2.174939	6.908528
#2	13.89505	.3717076	.4078354	.7270012	.1924104	2.229606	6.929051
#3	13.65672	.3712811	.4083942	.7256499	.1892290	2.161650	6.905381

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3685-04MS Acquired: 8/23/2024 14:50:36 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.487689	.1988280	.5496351
Stddev	.010667	.0070028	.0008623
%RSD	.4287998	3.522024	.1568873
#1	2.476535	.2014863	.5486553
#2	2.497791	.1908853	.5502783
#3	2.488742	.2041124	.5499717

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3900.508	55014.87	6716.042	3089.357	5144.490
Stddev	9.586	162.03	39.814	9.072	12.419
%RSD	.2457581	.2945134	.5928132	.2936580	.2414013
#1	3893.185	55191.08	6734.620	3099.720	5133.900
#2	3911.358	54872.31	6743.171	3082.851	5158.158
#3	3896.983	54981.23	6670.335	3085.500	5141.411

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3685-04MSD Acquired: 8/23/2024 14:54:52 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9047009	2.067555	1.068317	2.232557	.8660945	2.004217	.7410488
Stddev	.0092847	.007174	.008856	.006419	.0046889	.009930	.0037863
%RSD	1.026279	.3469956	.8289687	.2875201	.5413887	.4954656	.5109407
#1	.9110146	2.075504	1.075981	2.236683	.8670001	1.994220	.7378935
#2	.9090481	2.061560	1.070348	2.235827	.8702646	2.004352	.7400054
#3	.8940401	2.065602	1.058622	2.225162	.8610189	2.014079	.7452473

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2034653	.2156326	159.2743	.4191776	.2332111	.3368207	3.510480
Stddev	.0034000	.0015772	.9747	.0008359	.0016144	.0017574	.039792
%RSD	1.671073	.7314349	.6119758	.1994237	.6922504	.5217555	1.133532
#1	.2014562	.2170806	158.7784	.4196687	.2347266	.3382801	3.539052
#2	.2015487	.2158652	158.6472	.4182124	.2333933	.3373120	3.527358
#3	.2073909	.2139520	160.3973	.4196517	.2315133	.3348699	3.465031

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.316991	20.13923	.5721612	.0791749	649.1818	.3044504	.5339663
Stddev	.015053	.18408	.0048030	.0003721	9.9345	.0036713	.0004715
%RSD	.6496591	.9140244	.8394417	.4699156	1.530317	1.205885	.0882962
#1	2.308445	20.04869	.5766200	.0791217	648.2131	.3053469	.5341644
#2	2.308157	20.01796	.5727880	.0795707	659.5652	.3004139	.5334281
#3	2.334372	20.35105	.5670756	.0788323	639.7671	.3075905	.5343064

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.22101	.3783891	.4315520	.7634098	.1999655	2.142733	7.002975
Stddev	.13146	.0062305	.0024392	.0047243	.0025908	.034176	.052386
%RSD	.9244198	1.646580	.5652039	.6188389	1.295640	1.594983	.7480494
#1	14.36026	.3739668	.4335221	.7683168	.2003966	2.181091	7.050192
#2	14.20373	.3756858	.4323101	.7630203	.1971861	2.131588	7.012110
#3	14.09904	.3855147	.4288239	.7588924	.2023137	2.115521	6.946623

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3685-04MSD Acquired: 8/23/2024 14:54:52 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.523138	.2038313	.5513534
Stddev	.009679	.0020565	.0034105
%RSD	.3836062	1.008948	.6185689
#1	2.534240	.2017484	.5502141
#2	2.518704	.2038852	.5486583
#3	2.516471	.2058605	.5551877

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3916.481	54492.64	6683.081	3033.953	5178.061
Stddev	27.936	213.24	89.683	16.942	46.384
%RSD	.7132955	.3913141	1.341938	.5584178	.8957865
#1	3888.228	54256.27	6748.336	3017.334	5133.920
#2	3917.126	54551.11	6720.091	3033.325	5173.861
#3	3944.089	54670.54	6580.816	3051.201	5226.403

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCV06 Acquired: 8/23/2024 14:59:07 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV06 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.179375	5.095667	5.041805	5.277568	5.076946	9.916722	9.756775
Stddev	.012351	.019828	.012343	.011854	.009450	.030270	.062807
%RSD	.2384560	.3891193	.2448076	.2246092	.1861363	.3052399	.6437272
#1	5.193589	5.118142	5.056011	5.290931	5.087846	9.921142	9.757046
#2	5.171262	5.088211	5.035693	5.268320	5.071936	9.884485	9.693832
#3	5.173276	5.080648	5.033711	5.273454	5.071055	9.944539	9.819445

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2565583	2.542379	24.84942	.9758123	2.511060	1.273575	4.617919
Stddev	.0010293	.007415	.09109	.0027459	.009342	.003753	.038632
%RSD	.4011986	.2916431	.3665662	.2813965	.3720300	.2946477	.8365620
#1	.2571984	2.550791	24.85243	.9750022	2.521819	1.277906	4.605511
#2	.2571056	2.539555	24.75686	.9788721	2.506341	1.271537	4.587017
#3	.2553710	2.536792	24.93896	.9735625	2.505018	1.271283	4.661231

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.465444	24.42826	2.529611	1.215367	22.94425	2.439427	2.422427
Stddev	.011730	.12765	.006158	.001397	.19103	.012094	.008327
%RSD	.4757686	.5225465	.2434313	.1149453	.8325714	.4957879	.3437338
#1	2.467316	24.50065	2.536693	1.216860	22.88770	2.445000	2.421203
#2	2.452891	24.28087	2.526621	1.215152	22.78788	2.425551	2.414780
#3	2.476126	24.50326	2.525519	1.214091	23.15717	2.447731	2.431298

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.22952	5.126960	4.991817	5.078357	4.924693	4.524162	5.302626
Stddev	.21329	.020204	.013448	.017258	.018985	.057482	.021726
%RSD	.9181824	.3940745	.2694044	.3398392	.3854964	1.270559	.4097233
#1	23.17258	5.129369	5.007012	5.097916	4.925487	4.492831	5.327537
#2	23.05049	5.145852	4.986992	5.071887	4.905323	4.489152	5.292738
#3	23.46551	5.105660	4.981447	5.065269	4.943267	4.590502	5.287603

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCV06 Acquired: 8/23/2024 14:59:07 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV06 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.167151	4.649119	4.907957
Stddev	.022801	.033212	.015122
%RSD	.4412678	.7143620	.3081206
#1	5.187456	4.638289	4.908778
#2	5.142484	4.622674	4.922652
#3	5.171513	4.686394	4.892441

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4071.655	62187.05	6549.986	3371.691	5590.744
Stddev	16.223	207.33	24.443	20.066	26.105
%RSD	.3984443	.3334003	.3731734	.5951219	.4669347
#1	4056.589	62009.96	6522.308	3371.280	5567.672
#2	4069.546	62415.11	6559.039	3391.959	5585.481
#3	4088.829	62136.07	6568.610	3351.834	5619.080

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCB06 Acquired: 8/23/2024 15:03:18 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB06 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000549	-.000197	-.001075	-.000201	-.000986	.0003290	.0029150
Stddev	.002105	.001777	.000635	.000587	.001095	.0158199	.0008856
%RSD	383.3485	900.2293	59.05543	292.6056	111.0494	4808.777	30.38193
#1	-.002255	-.001181	-.001180	-.000870	-.000003	-.013172	.0031842
#2	.001803	.001854	-.000394	.000039	-.002166	.017736	.0019260
#3	-.001196	-.001265	-.001651	.000229	-.000789	-.003578	.0036349

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000431	-.000023	.0223208	.0006196	.0004099	.0009690	.0015901
Stddev	.0000809	.000055	.0116052	.0001683	.0001696	.0002686	.0090270
%RSD	187.4782	238.0879	51.99293	27.16073	41.37931	27.71813	567.7065
#1	.0001365	-.000039	.0176496	.0006957	.0003558	.0006699	-.008823
#2	-.000001	-.000068	.0355336	.0004267	.0002740	.0010473	.007198
#3	-.000006	.000038	.0137790	.0007364	.0006000	.0011896	.006396

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002941	.0124599	.0001709	-.000833	.3978984	-.005285	.0007348
Stddev	.0001775	.0170484	.0001751	.000335	.0234131	.001725	.0001270
%RSD	60.33568	136.8262	102.4698	40.20657	5.884178	32.63956	17.28131
#1	.0003573	.0319745	.0003712	-.000543	.3721946	-.005855	.0008181
#2	.0000937	.0004594	.0000470	-.000757	.4034935	-.003347	.0007977
#3	.0004313	.0049457	.0000945	-.001200	.4180069	-.006653	.0005887

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3506620	.0062749	.0004494	.0062042	-.000489	.0140061	-.003229
Stddev	.0786362	.0013661	.0001829	.0007288	.000674	.0029237	.001803
%RSD	22.42506	21.77072	40.69516	11.74636	137.9515	20.87469	55.82765
#1	.2678889	.0076170	.0006291	.0063202	-.000997	.0110669	-.001177
#2	.3597205	.0063216	.0004558	.0068680	.000276	.0169141	-.003951
#3	.4243767	.0048860	.0002634	.0054244	-.000744	.0140372	-.004559

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCB06 Acquired: 8/23/2024 15:03:18 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB06 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.003066	.0047754	.0000055
Stddev	.002918	.0088039	.0001729
%RSD	95.17122	184.3613	3123.286
#1	.000303	-.002332	.0001833
#2	-.004804	.014624	-.000162
#3	-.004696	.002035	-.000005

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4117.271	62976.11	6830.882	3437.567	5877.682
Stddev	10.347	403.62	14.685	28.044	13.463
%RSD	.2512979	.6409160	.2149839	.8158070	.2290456
#1	4120.508	63430.89	6814.024	3464.368	5877.374
#2	4125.613	62660.43	6840.894	3408.427	5891.296
#3	4105.693	62837.00	6837.729	3439.907	5864.376

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3685-04A Acquired: 8/23/2024 15:07:42 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8795902	1.992999	1.040078	2.173004	.8358858	1.939343	.7334977
Stddev	.0028647	.062264	.003027	.001557	.0030545	.010951	.0026846
%RSD	.3256814	3.124155	.2910621	.0716462	.3654254	.5646855	.3660021
#1	.8811620	2.015771	1.042956	2.172914	.8369814	1.941538	.7314107
#2	.8813249	2.040673	1.040359	2.174603	.8382415	1.949030	.7365263
#3	.8762837	1.922555	1.036920	2.171493	.8324346	1.927460	.7325563

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1957150	.2101296	158.5157	.3973400	.2273607	.3296187	3.223933
Stddev	.0009343	.0007237	.2723	.0023235	.0007702	.0014567	.015309
%RSD	.4773781	.3444241	.1717803	.5847597	.3387706	.4419211	.4748576
#1	.1959244	.2107097	158.3501	.3948477	.2281903	.3305947	3.211832
#2	.1965267	.2103604	158.8299	.3994464	.2272235	.3303170	3.218824
#3	.1946937	.2093185	158.3669	.3977259	.2266682	.3279444	3.241143

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.300354	20.00669	.5574930	.0742320	611.0840	.2979704	.5056300
Stddev	.004036	.05772	.0019233	.0007430	5.9384	.0041466	.0017849
%RSD	.1754532	.2884984	.3449932	1.000933	.9717821	1.391602	.3530101
#1	2.297586	19.98688	.5581869	.0736579	608.5742	.3019332	.5042042
#2	2.304985	19.96149	.5589732	.0750712	606.8126	.2983163	.5050540
#3	2.298491	20.07171	.5553191	.0739668	617.8653	.2936618	.5076318

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.00235	.3667039	.4148530	.7395169	.1946336	2.014306	6.901254
Stddev	.10083	.0021293	.0018184	.0029782	.0004766	.020995	.050882
%RSD	.7755095	.5806565	.4383297	.4027235	.2448733	1.042315	.7372898
#1	12.88610	.3670495	.4161383	.7414173	.1950463	1.992563	6.924010
#2	13.05491	.3686393	.4156483	.7410489	.1947426	2.015889	6.936786
#3	13.06605	.3644230	.4127724	.7360846	.1941120	2.034465	6.842965

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3685-04A Acquired: 8/23/2024 15:07:42 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.482187	.1975044	.5433090
Stddev	.019245	.0047117	.0014031
%RSD	.7753327	2.385607	.2582434
#1	2.498195	.1924274	.5420751
#2	2.487532	.1983493	.5448352
#3	2.460834	.2017364	.5430168

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3865.655	57811.18	6752.556	3174.599	5102.285
Stddev	31.817	252.96	20.201	16.269	39.306
%RSD	.8230590	.4375704	.2991658	.5124617	.7703561
#1	3846.137	57955.94	6732.975	3178.397	5080.265
#2	3848.458	57958.50	6751.368	3188.633	5078.924
#3	3902.369	57519.08	6773.325	3156.768	5147.664

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3684-08 Acquired: 8/23/2024 15:11:59 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033204	.0000391	.0005906	.0033290	.0011973	.0153187	.2397310
Stddev	.0030322	.0015862	.0006479	.0039278	.0016087	.0017048	.0014676
%RSD	91.31988	4056.684	109.7054	117.9884	134.3615	11.12885	.6121821
#1	.0059655	.0013012	-.000157	-.000642	-.000574	.0136072	.2411407
#2	.0039846	.0005575	.000945	.007212	.001598	.0170167	.2382117
#3	.0000112	-.001741	.000984	.003417	.002568	.0153322	.2398406

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000081	-.000150	6.271071	.0019939	.0002571	.0055063	.1301179
Stddev	.000085	.000117	.008599	.0001702	.0002186	.0004678	.0062878
%RSD	104.9048	78.01166	.1371212	8.537923	84.99365	8.495737	4.832387
#1	-.000177	-.000273	6.280585	.0021873	.0001861	.0060425	.1249012
#2	-.000016	-.000140	6.268775	.0018669	.0000829	.0052949	.1370996
#3	-.000050	-.000039	6.263853	.0019275	.0005024	.0051814	.1283529

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0214110	.3598667	.0018554	-.000859	12.51192	.0046848	.1296881
Stddev	.0003768	.0114470	.0002125	.000191	.07422	.0074199	.0009110
%RSD	1.759874	3.180893	11.45615	22.27238	.5932117	158.3813	.7024478
#1	.0215586	.3569218	.0020859	-.000652	12.44438	-.003402	.1286370
#2	.0209827	.3501799	.0016671	-.000897	12.50000	.011180	.1302508
#3	.0216916	.3724984	.0018131	-.001030	12.59138	.006276	.1301763

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.94049	.0705011	.0024072	-.000223	.0003114	1.235950	.0801434
Stddev	.06589	.0003532	.0005614	.000519	.0014994	.018615	.0019886
%RSD	.4410185	.5009300	23.32249	232.4597	481.4997	1.506111	2.481263
#1	14.90219	.0700944	.0027875	-.000791	.0011877	1.220880	.0794506
#2	14.90270	.0707305	.0017624	-.000107	.0011665	1.230211	.0823857
#3	15.01657	.0706784	.0026716	.000228	-.001420	1.256759	.0785939

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3684-08 Acquired: 8/23/2024 15:11:59 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.132431	-.002456	.0095320
Stddev	.005382	.002852	.0001218
%RSD	.2524096	116.1226	1.277750
#1	2.135281	-.004108	.0093981
#2	2.126223	-.004098	.0096362
#3	2.135790	.000837	.0095615

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4185.938	62506.71	6725.557	3458.575	5889.355
Stddev	8.329	439.77	39.354	10.610	12.714
%RSD	.1989750	.7035531	.5851399	.3067857	.2158796
#1	4180.925	62443.14	6708.123	3464.496	5882.347
#2	4195.553	62974.81	6770.616	3464.903	5904.031
#3	4181.338	62102.19	6697.932	3446.325	5881.687

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3684-09DLX25 Acquired: 8/23/2024 15:16:20 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000590	-.000762	-.003134	.0275174	.0387805	.0644966	.0080218
Stddev	.001844	.002116	.001346	.0022496	.0032430	.0179096	.0014190
%RSD	312.5802	277.4851	42.93880	8.175344	8.362354	27.76833	17.68872
#1	.000830	.000320	-.002256	.0287957	.0413761	.0808866	.0085720
#2	-.002674	-.003200	-.004683	.0288366	.0398202	.0453800	.0064101
#3	.000074	.000593	-.002462	.0249198	.0351452	.0672233	.0090832

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000028	-.000083	.1388437	.0001426	-.000462	.0204115	-.012746
Stddev	.000021	.000036	.0080637	.0006287	.000188	.0001462	.001932
%RSD	75.57451	42.82038	5.807735	440.8169	40.80469	.7163292	15.15383
#1	-.000050	-.000049	.1419632	-.000428	-.000333	.0205798	-.013902
#2	-.000007	-.000120	.1296863	.000039	-.000374	.0203393	-.010516
#3	-.000028	-.000080	.1448816	.000817	-.000678	.0203154	-.013820

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0066592	.0617658	-.000739	-.000560	25.84568	-.014496	.0219825
Stddev	.0001478	.0194370	.000174	.000629	.31126	.003682	.0004388
%RSD	2.219605	31.46893	23.47949	112.3342	1.204306	25.40248	1.995943
#1	.0066740	.0813708	-.000917	.000138	25.78077	-.016864	.0219257
#2	.0067991	.0425012	-.000571	-.000736	25.57199	-.016371	.0224469
#3	.0065046	.0614255	-.000729	-.001081	26.18428	-.010254	.0215749

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	71.80562	.2639545	2.490546	.0029918	.0005252	.1216553	.0955468
Stddev	.75672	.0015045	.004580	.0005803	.0014281	.0143545	.0013800
%RSD	1.053847	.5699940	.1838923	19.39576	271.9305	11.79934	1.444270
#1	71.62430	.2623439	2.490008	.0030106	-.001121	.1341224	.0952402
#2	71.15603	.2653237	2.495372	.0024023	.001435	.1248811	.0943458
#3	72.63653	.2641960	2.486260	.0035624	.001262	.1059623	.0970542

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3684-09DLX25 Acquired: 8/23/2024 15:16:20 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6359215	.0065673	.0018162
Stddev	.0076896	.0033026	.0001020
%RSD	1.209208	50.28840	5.617292
#1	.6392430	.0031390	.0016984
#2	.6413921	.0097278	.0018739
#3	.6271294	.0068349	.0018764

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4233.229	58463.70	6548.279	3247.431	5969.435
Stddev	14.827	83.61	73.681	3.422	23.259
%RSD	.3502508	.1430127	1.125203	.1053611	.3896408
#1	4221.615	58446.77	6623.082	3250.749	5952.076
#2	4228.143	58554.48	6545.984	3247.631	5960.368
#3	4249.930	58389.85	6475.773	3243.915	5995.863

Sample Name: P3684-10 Acquired: 8/23/2024 15:20:42 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004083	.0008064	.0000414	.0027572	-.002250	.0211108
Stddev	.001272	.0002186	.0002862	.0026753	.000167	.0206332
%RSD	31.14439	27.10576	691.6269	97.02685	7.425905	97.73750
#1	-.003243	.0005666	-.000216	.0018422	-.002093	.0074331
#2	-.005546	.0008580	-.000009	.0057699	-.002233	.0110553
#3	-.003460	.0009945	.000350	.0006595	-.002425	.0448440

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2408876	.0001318	-.000346	17.44697	.0031726	.0124942
Stddev	.0019290	.0000433	.000160	.01663	.0008046	.0000477
%RSD	.8008006	32.85112	46.26447	.0952964	25.36048	.3814793
#1	.2390356	.0000821	-.000518	17.44165	.0023267	.0124562
#2	.2428854	.0001612	-.000201	17.46560	.0032630	.0124787
#3	.2407417	.0001520	-.000318	17.43365	.0039282	.0125477

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012955	6.178809	.2409315	12.45650	.0282603	.0000144
Stddev	.0004601	.039719	.0004713	.04855	.0003311	.0003290
%RSD	35.51275	.6428339	.1955982	.3897220	1.171715	2278.351
#1	.0018201	6.155694	.2410276	12.45703	.0281245	-.000286
#2	.0011061	6.224673	.2404197	12.50478	.0286378	.000366
#3	.0009604	6.156061	.2413474	12.40769	.0280187	-.000037

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.69765	.0188764	.2125846	10.68243	.1196477	.0051544
Stddev	.22310	.0042712	.0005968	.11380	.0000544	.0002365
%RSD	.5481922	22.62730	.2807472	1.065320	.0454958	4.589106
#1	40.52463	.0139473	.2123507	10.55152	.1197105	.0050538
#2	40.94946	.0214866	.2121401	10.75781	.1196193	.0054246
#3	40.61887	.0211954	.2132629	10.73794	.1196134	.0049849

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3684-10 Acquired: 8/23/2024 15:20:42 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003060	-.000040	F 10.69764	.0505517	6.033386	.0122411
Stddev	.000207	.001174	.02667	.0017538	.048539	.0045893
%RSD	6.750719	2929.829	.2492813	3.469254	.8045062	37.49101
#1	-.003298	.000805	10.67616	.0513531	6.082520	.0137663
#2	-.002925	.000455	10.72749	.0517617	6.032174	.0158736
#3	-.002957	-.001381	10.68926	.0485405	5.985464	.0070834

Elem	Sr4077
Units	ppm
Avg	.0796364
Stddev	.0003065
%RSD	.3849229
#1	.0796821
#2	.0793096
#3	.0799175

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4151.116	61326.43	6814.297	3379.175	5793.971
Stddev	29.722	151.44	27.401	14.880	47.433
%RSD	.7159902	.2469347	.4021073	.4403582	.8186560
#1	4125.853	61408.02	6785.268	3367.286	5752.173
#2	4143.631	61151.69	6839.711	3395.862	5784.218
#3	4183.865	61419.56	6817.912	3374.376	5845.522

Sample Name: PB162871TB Acquired: 8/23/2024 15:24:57 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004006	-.001070	.0003946	.0036475	-.002600	.0021338
Stddev	.001095	.001694	.0007814	.0018142	.000828	.0063794
%RSD	27.34411	158.2591	198.0361	49.73691	31.84417	298.9746
#1	-.005114	-.002357	.0004834	.0030792	-.002961	-.003273
#2	-.002924	.000849	-.000427	.0021856	-.001653	.000504
#3	-.003981	-.001702	.001128	.0056778	-.003186	.009170

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025454	.0000038	-.000101	-.009069	.0014889	.0001128
Stddev	.0012163	.0000279	.000026	.008798	.0004013	.0002028
%RSD	47.78377	727.6574	25.95173	97.01001	26.95019	179.7466
#1	.0032831	.0000353	-.000088	-.018626	.0010698	.0001224
#2	.0011415	-.000006	-.000131	-.001308	.0015273	-.000095
#3	.0032114	-.000018	-.000083	-.007272	.0018696	.000311

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004193	.0124374	.0073636	.0129030	.0015058	-.000651
Stddev	.0000800	.0081431	.0005556	.0142915	.0002102	.000212
%RSD	19.08513	65.47270	7.545741	110.7616	13.95935	32.65658
#1	.0004220	.0067776	.0073367	.0082319	.0014813	-.000790
#2	.0003380	.0217700	.0068219	.0015314	.0017271	-.000406
#3	.0004980	.0087647	.0079322	.0289455	.0013089	-.000755

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 646.3745	.0024095	.0012574	.1510513	-.000939	.0001299
Stddev	5.3301	.0005305	.0003423	.0290774	.000718	.0003596
%RSD	.8246143	22.01730	27.22228	19.25000	76.45880	276.9452
#1	642.7335	.0029889	.0016105	.1502842	-.000249	.0005310
#2	652.4924	.0022921	.0012349	.1223651	-.001681	.0000222
#3	643.8977	.0019475	.0009270	.1805046	-.000886	-.000164

Sample Name: PB162871TB Acquired: 8/23/2024 15:24:57 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000900	-.000506	.0163053	.0044909	F .0365926	.0003258
Stddev	.000426	.001921	.0281345	.0011704	.0010986	.0066390
%RSD	47.29376	379.6568	172.5480	26.06090	3.002244	2037.630
#1	-.000547	-.002647	.0413110	.0031644	.0368018	-.001633
#2	-.001373	.000060	-.014158	.0053781	.0354044	.007724
#3	-.000780	.001069	.021763	.0049300	.0375715	-.005114

Elem	Sr4077
Units	ppm
Avg	-.000176
Stddev	.000045
%RSD	25.37150
#1	-.000131
#2	-.000176
#3	-.000220

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4148.389	56815.93	7140.888	3214.635	5542.581
Stddev	15.994	188.52	7.037	11.114	20.160
%RSD	.3855506	.3318166	.0985480	.3457309	.3637206
#1	4166.716	56835.76	7147.168	3221.792	5565.802
#2	4141.201	56618.27	7142.213	3201.831	5529.561
#3	4137.249	56993.75	7133.282	3220.281	5532.380

Sample Name: PB162873TB Acquired: 8/23/2024 15:29:30 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002410	.0003343	-.000945	.0001034	-.002001	.0143924
Stddev	.004531	.0007131	.000429	.0021954	.000514	.0201828
%RSD	187.9793	213.2840	45.41436	2122.946	25.69458	140.2322
#1	-.003892	-.000360	-.001114	-.000280	-.002426	.0208358
#2	-.006014	.000299	-.001263	-.001875	-.001430	.0305668
#3	.002676	.001064	-.000457	.002465	-.002148	-.008225

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057445	-.000003	-.000181	.0059748	.0022349	.0001871
Stddev	.0020013	.000073	.000076	.0102257	.0002032	.0000516
%RSD	34.83912	2164.811	41.91929	171.1461	9.090757	27.57530
#1	.0038512	-.000039	-.000108	-.005483	.0023788	.0001349
#2	.0078387	.000081	-.000260	.009235	.0023235	.0001884
#3	.0055435	-.000052	-.000176	.014173	.0020025	.0002380

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002995	.0114597	.0086100	.0126709	.0015303	-.000967
Stddev	.0007312	.0038511	.0003972	.0071649	.0001249	.000099
%RSD	244.1264	33.60530	4.612891	56.54635	8.159025	10.20025
#1	-.000213	.0140907	.0084748	.0193481	.0014975	-.000862
#2	.001137	.0070395	.0082981	.0051018	.0014251	-.000983
#3	-.000026	.0132489	.0090571	.0135628	.0016682	-.001057

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 634.6085	-.000905	.0021541	.2558994	-.001655	.0006377
Stddev	6.7415	.004159	.0003729	.0221743	.000766	.0000992
%RSD	1.062301	459.3586	17.30954	8.665248	46.28657	15.54925
#1	642.3807	-.000801	.0017330	.2815011	-.000876	.0006266
#2	630.3460	-.005115	.0022869	.2427649	-.001681	.0007419
#3	631.0988	.003200	.0024424	.2434320	-.002407	.0005446

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162873TB Acquired: 8/23/2024 15:29:30 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004505	.0020878	.0135148	.0047844	F .0374710	-.000855
Stddev	.0004363	.0011460	.0057410	.0012555	.0012069	.008364
%RSD	96.84865	54.89197	42.47932	26.24202	3.220862	978.0941
#1	.0000313	.0022482	.0075471	.0035760	.0388623	.006611
#2	.0009021	.0031451	.0189985	.0060822	.0367075	.000718
#3	.0004182	.0008700	.0139988	.0046949	.0368430	-.009894

Elem	Sr4077
Units	ppm
Avg	-.000090
Stddev	.000132
%RSD	145.7539
#1	-.000213
#2	.000049
#3	-.000106

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4072.001	57335.29	6850.326	3229.240	5424.142
Stddev	16.532	132.83	40.645	7.358	19.685
%RSD	.4059985	.2316759	.5933310	.2278540	.3629207
#1	4083.525	57430.35	6838.412	3221.300	5437.338
#2	4053.059	57392.01	6816.970	3230.593	5401.516
#3	4079.418	57183.52	6895.597	3235.828	5433.573

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162889BS Acquired: 8/23/2024 15:38:27 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8304377	2.086755	1.016595	2.056708	.8067637	2.055547
Stddev	.0088052	.041245	.009294	.019584	.0102355	.012458
%RSD	1.060309	1.976494	.9142206	.9522046	1.268710	.6060541
#1	.8224322	2.071354	1.008805	2.037219	.7980781	2.069455
#2	.8290124	2.055427	1.014097	2.056520	.8041650	2.045411
#3	.8398687	2.133484	1.026883	2.076386	.8180481	2.051775

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2077636	.2130296	.1991040	1.156252	.4148677	.2036287
Stddev	.0021881	.0002069	.0014236	.003819	.0014062	.0014127
%RSD	1.053180	.0971072	.7150029	.3303281	.3389406	.6937408
#1	.2053623	.2132055	.1977553	1.152419	.4162093	.2023087
#2	.2096447	.2128017	.1989645	1.156279	.4149890	.2034586
#3	.2082839	.2130814	.2005922	1.160058	.4134049	.2051186

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3165222	3.106394	.2080138	2.088670	.5087986	.0771325
Stddev	.0023579	.006357	.0006316	.022975	.0040837	.0005416
%RSD	.7449409	.2046342	.3036467	1.099974	.8026101	.7022179
#1	.3139957	3.112935	.2079250	2.062175	.5046805	.0775376
#2	.3169067	3.106008	.2074313	2.103067	.5088685	.0773426
#3	.3186642	3.100239	.2086852	2.100770	.5128470	.0765173

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.435343	.3014242	.2092241	10.25916	.2938136	.4003506
Stddev	.019286	.0033345	.0013347	.01874	.0009482	.0031877
%RSD	.5614090	1.106243	.6379480	.1826634	.3227173	.7962181
#1	3.434887	.3027584	.2107308	10.24420	.2948987	.3975430
#2	3.454853	.3038850	.2087519	10.28018	.2931451	.3996929
#3	3.416288	.2976292	.2081897	10.25311	.2933968	.4038157

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162889BS Acquired: 8/23/2024 15:38:27 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6910103	.1975968	F .6598392	5.904017	F -.008212	.1872266
Stddev	.0051277	.0003046	.0091825	.051909	.000871	.0081300
%RSD	.7420525	.1541653	1.391620	.8792162	10.60348	4.342307
#1	.6872458	.1979104	.6685300	5.858254	-.009169	.1836144
#2	.6889348	.1975779	.6502336	5.893374	-.008000	.1815288
#3	.6968504	.1973021	.6607542	5.960423	-.007467	.1965368

Elem	Sr4077
Units	ppm
Avg	.1974072
Stddev	.0004536
%RSD	.2297741
#1	.1976510
#2	.1968839
#3	.1976867

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4398.664	59327.93	6656.405	3336.227	6310.183
Stddev	22.189	143.88	23.338	7.818	28.145
%RSD	.5044419	.2425121	.3506159	.2343311	.4460229
#1	4421.290	59390.12	6683.140	3333.026	6338.012
#2	4397.763	59163.42	6640.105	3330.517	6310.805
#3	4376.940	59430.25	6645.969	3345.137	6281.732

Sample Name: PB162889BL Acquired: 8/23/2024 15:43:06 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011763	.0004114	-.000397	-.000481	-.002212	-.007656	.0051027
Stddev	.0010696	.0009335	.000630	.001703	.000497	.002275	.0015608
%RSD	90.92731	226.9018	158.5898	354.2547	22.44366	29.71541	30.58859
#1	-.000059	-.000656	-.001114	-.002383	-.002325	-.006776	.0059057
#2	.001798	.001077	.000070	.000038	-.001669	-.010240	.0033038
#3	.001790	.000813	-.000148	.000902	-.002643	-.005952	.0060985

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000438	-.000113	.0041694	.0002309	.0002739	.0002429	-.002678
Stddev	.0000176	.000082	.0142040	.0001736	.0000154	.0003289	.014936
%RSD	40.13589	72.10865	340.6705	75.19909	5.608411	135.3831	557.8089
#1	.0000297	-.000196	-.010534	.0000304	.0002785	.0006220	-.014400
#2	.0000382	-.000033	.017815	.0003289	.0002568	.0000345	.014139
#3	.0000635	-.000111	.005227	.0003334	.0002865	.0000722	-.007771

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005560	.0144998	-.000429	-.000658	.3086001	-.001287	-.000087
Stddev	.0004472	.0240040	.000057	.000381	.0086293	.001916	.000276
%RSD	80.43439	165.5470	13.27583	57.91083	2.796260	148.8793	317.4980
#1	.0005981	.0327259	-.000402	-.000445	.2986518	-.000345	-.000376
#2	.0009806	-.012698	-.000494	-.001097	.3130874	-.003491	.000174
#3	.0000892	.023471	-.000391	-.000430	.3140612	-.000024	-.000059

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2865209	-.001077	.0001357	-.000419	-.001623	-.008287	.0009389
Stddev	.0365404	.001249	.0002719	.000459	.001101	.002053	.0000976
%RSD	12.75313	115.9882	200.3637	109.4869	67.83119	24.76859	10.39058
#1	.2906647	-.002004	-.000163	-.000228	-.000899	-.010525	.0010515
#2	.3208128	.000344	.000369	-.000087	-.002891	-.006492	.0008847
#3	.2480853	-.001571	.000202	-.000943	-.001081	-.007843	.0008804

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162889BL Acquired: 8/23/2024 15:43:06 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.004419	-.001141	-.000035
Stddev	.001799	.003445	.000117
%RSD	40.70867	301.7665	336.8068
#1	-.002411	-.003817	-.000145
#2	-.005883	.002745	.000089
#3	-.004964	-.002353	-.000048

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4427.655	61648.19	6840.940	3414.540	6455.151
Stddev	36.197	171.83	94.420	3.733	47.835
%RSD	.8175134	.2787251	1.380224	.1093396	.7410415
#1	4386.673	61846.51	6786.072	3410.604	6400.820
#2	4455.256	61543.92	6949.967	3414.987	6490.936
#3	4441.036	61554.14	6786.783	3418.030	6473.697

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3669-03DUP Acquired: 8/23/2024 15:47:29 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0378009	.0026734	.0723808	-.001187	.0013892	8.131581
Stddev	.0012509	.0007577	.0005410	.001728	.0024243	.036051
%RSD	3.309273	28.34206	.7475068	145.5787	174.5105	.4433476
#1	.0392221	.0020066	.0720304	-.002004	.0029548	8.093569
#2	.0368665	.0034973	.0730040	-.002355	.0026161	8.135888
#3	.0373142	.0025163	.0721082	.000798	-.001403	8.165285

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2592675	.0011882	-.000517	168.0718	.0199139	.0138847
Stddev	.0009159	.0000441	.000136	.4190	.0003073	.0000465
%RSD	.3532522	3.708437	26.32226	.2492904	1.543042	.3350134
#1	.2596994	.0012158	-.000576	167.8160	.0195678	.0139185
#2	.2598876	.0012113	-.000361	167.8442	.0201546	.0138316
#3	.2582155	.0011374	-.000614	168.5554	.0200193	.0139040

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0520793	31.09007	3.408115	31.48975	.0948449	.0002870
Stddev	.0003204	.17237	.007227	.15761	.0005231	.0003420
%RSD	.6152401	.5544348	.2120415	.5005038	.5515126	119.1663
#1	.0524269	30.96826	3.403524	31.39271	.0954241	.0000879
#2	.0520155	31.01465	3.404375	31.40494	.0947039	.0006819
#3	.0517956	31.28730	3.416445	31.67161	.0944068	.0000912

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	285.7473	.0537580	.3505322	34.15755	.5185152	.2065574
Stddev	3.0590	.0059365	.0020525	.29226	.0008077	.0011279
%RSD	1.070510	11.04298	.5855344	.8556145	.1557666	.5460402
#1	282.7078	.0605921	.3504097	33.96480	.5194262	.2077751
#2	288.8253	.0498794	.3485438	34.01403	.5178869	.2063486
#3	285.7089	.0508024	.3526432	34.49382	.5182323	.2055485

Sample Name: P3669-03DUP Acquired: 8/23/2024 15:47:29 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000365	.1246730	F 17.43916	2.133747	F 25.02090	.0240881
Stddev	.000457	.0015727	.09397	.011144	.13898	.0034129
%RSD	125.0830	1.261447	.5388667	.5222866	.5554377	14.16858
#1	-.000753	.1238700	17.42802	2.146614	25.18116	.0278644
#2	-.000482	.1236639	17.35126	2.127488	24.94796	.0231760
#3	.000139	.1264851	17.53821	2.127140	24.93358	.0212238

Elem	Sr4077
Units	ppm
Avg	1.052689
Stddev	.003453
%RSD	.3280608
#1	1.050648
#2	1.050742
#3	1.056676

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4195.144	57819.55	7150.016	3209.025	5480.325
Stddev	14.194	270.27	30.895	18.858	16.391
%RSD	.3383416	.4674380	.4320981	.5876424	.2990886
#1	4179.357	58118.45	7185.597	3221.438	5462.216
#2	4199.227	57747.78	7134.470	3218.313	5484.613
#3	4206.850	57592.40	7129.983	3187.325	5494.146

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3669-03LX5 Acquired: 8/23/2024 15:51:50 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0061292	.0011809	.0142632	-.000217	-.000717	1.919036	.0620095
Stddev	.0039194	.0011491	.0004942	.002024	.002241	.004724	.0004666
%RSD	63.94683	97.30421	3.464957	932.8136	312.4638	.2461716	.7525043
#1	.0100557	.0007744	.0139775	-.002502	-.000694	1.913895	.0621693
#2	.0061149	.0024780	.0148338	.001351	.001512	1.920028	.0614839
#3	.0022169	.0002903	.0139782	.000500	-.002970	1.923185	.0623751

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003583	-.000229	37.52692	.0043592	.0031005	.0120019	6.262523
Stddev	.0000479	.000059	.07185	.0006638	.0000135	.0003789	.027805
%RSD	13.37231	25.77605	.1914656	15.22872	.4338771	3.157334	.4439865
#1	.0003876	-.000184	37.45702	.0045587	.0031006	.0122334	6.231234
#2	.0003030	-.000295	37.52317	.0036184	.0030870	.0122076	6.271934
#3	.0003842	-.000207	37.60057	.0049003	.0031139	.0115646	6.284400

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7622692	7.126473	.0200148	-.000449	59.33087	.0109670	.0727493
Stddev	.0029244	.028241	.0000638	.000302	.16094	.0050057	.0003829
%RSD	.3836441	.3962839	.3186751	67.26282	.2712612	45.64337	.5262808
#1	.7602626	7.094321	.0200542	-.000685	59.18078	.0136005	.0723545
#2	.7656246	7.147263	.0200490	-.000553	59.50082	.0051943	.0731190
#3	.7609204	7.137835	.0199412	-.000109	59.31099	.0141062	.0727742

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.876577	.1295228	.0444073	-.001162	.0327757	3.650484	.4471785
Stddev	.099418	.0003411	.0004966	.000518	.0008295	.022398	.0008495
%RSD	1.445753	.2633722	1.118275	44.58187	2.530877	.6135623	.1899711
#1	6.790711	.1293008	.0444463	-.001756	.0330788	3.634683	.4466840
#2	6.985497	.1293520	.0448832	-.000924	.0334110	3.676117	.4466920
#3	6.853523	.1299156	.0438923	-.000805	.0318372	3.640653	.4481594

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3669-03LX5 Acquired: 8/23/2024 15:51:50 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.284370	.0104510	.2317321
Stddev	.020531	.0040152	.0008115
%RSD	.3885186	38.41978	.3501863
#1	5.308043	.0094028	.2314514
#2	5.273623	.0070638	.2326467
#3	5.271443	.0148864	.2310983

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4351.067	61390.86	6825.946	3393.555	6004.144
Stddev	16.799	242.02	25.130	28.539	19.529
%RSD	.3861004	.3942212	.3681565	.8409778	.3252649
#1	4342.485	61632.21	6851.032	3412.577	5988.290
#2	4340.292	61392.19	6826.035	3407.349	5998.182
#3	4370.424	61148.18	6800.772	3360.740	6025.959

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCV07 Acquired: 8/23/2024 15:56:06 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV07 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.024925	5.170712	4.993123	5.095224	4.969052	9.772091	9.754876
Stddev	.026483	.058719	.019835	.015043	.019026	.021710	.008867
%RSD	.5270268	1.135602	.3972514	.2952433	.3828908	.2221634	.0908949
#1	5.053588	5.106624	5.015848	5.112148	4.990959	9.766264	9.749501
#2	5.001365	5.183587	4.984234	5.090151	4.956671	9.796120	9.750017
#3	5.019821	5.221925	4.979287	5.083372	4.959526	9.753889	9.765110

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2481918	2.506276	24.64560	.9897984	2.482020	1.250310	4.951633
Stddev	.0027372	.010713	.02957	.0013872	.010820	.004383	.036377
%RSD	1.102850	.4274476	.1199932	.1401479	.4359500	.3505467	.7346562
#1	.2513436	2.518632	24.65182	.9882178	2.494401	1.255063	4.910645
#2	.2464107	2.500609	24.61341	.9908136	2.477281	1.249438	4.980085
#3	.2468213	2.499586	24.67157	.9903638	2.474377	1.246428	4.964168

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.445908	24.19109	2.490877	1.240216	23.80656	2.422272	2.466785
Stddev	.005730	.02212	.011186	.001392	.29980	.009027	.001506
%RSD	.2342549	.0914253	.4490678	.1122220	1.259309	.3726666	.0610416
#1	2.449296	24.21662	2.503755	1.241371	23.46132	2.425517	2.467550
#2	2.449136	24.17855	2.483576	1.240607	23.95716	2.429228	2.465050
#3	2.439293	24.17809	2.485301	1.238671	24.00120	2.412071	2.467754

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.21448	4.945102	4.968384	5.019999	4.894274	4.797726	5.152121
Stddev	.35682	.057818	.019214	.013038	.004865	.071261	.021464
%RSD	1.473588	1.169191	.3867255	.2597201	.0993946	1.485299	.4166050
#1	23.80551	5.011791	4.989753	5.035009	4.897394	4.716414	5.172234
#2	24.37563	4.914462	4.962870	5.011486	4.888669	4.827460	5.154606
#3	24.46231	4.909053	4.952531	5.013502	4.896760	4.849304	5.129522

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCV07 Acquired: 8/23/2024 15:56:06 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV07 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.960031	4.502043	4.878501
Stddev	.012471	.003639	.082071
%RSD	.2514223	.0808381	1.682295
#1	4.974364	4.505670	4.969142
#2	4.951662	4.502066	4.809227
#3	4.954068	4.498392	4.857134

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4145.577	58292.93	6640.673	3212.947	5710.719
Stddev	10.308	214.28	56.669	12.548	15.984
%RSD	.2486561	.3675954	.8533577	.3905597	.2798938
#1	4133.782	58523.42	6576.133	3226.505	5693.312
#2	4152.857	58255.60	6682.288	3210.595	5724.737
#3	4150.093	58099.76	6663.596	3201.741	5714.106

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCB07 Acquired: 8/23/2024 16:00:17 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB07 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000646	.0013229	-.000207	.0026347	-.000781	.0018723	.0040474
Stddev	.001374	.0014042	.000313	.0019731	.001329	.0284113	.0013299
%RSD	212.6028	106.1485	150.8517	74.88771	170.2234	1517.467	32.85944
#1	-.001285	-.000205	-.000051	.0007421	-.001002	.0014131	.0051208
#2	.000931	.002558	-.000004	.0046794	.000645	.0305104	.0044617
#3	-.001585	.001616	-.000568	.0024826	-.001984	-.026307	.0025596

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000860	-.000045	.0168318	.0005433	.0002171	.0001679	.0037445
Stddev	.0000874	.000037	.0114931	.0002732	.0001162	.0006616	.0085832
%RSD	101.6772	81.03828	68.28210	50.29010	53.53073	394.0575	229.2209
#1	-.000011	-.000030	.0296085	.0006389	.0002636	.0008546	.0125410
#2	.000112	-.000087	.0135512	.0007558	.0003030	-.000465	.0033007
#3	.000158	-.000019	.0073357	.0002351	.0000849	.000114	-.004608

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000045	.0199556	-.000081	-.000779	.2420329	-.000125	.0002445
Stddev	.000485	.0174337	.000262	.000492	.0177084	.002944	.0002855
%RSD	1083.473	87.36264	323.1190	63.15355	7.316530	2354.267	116.7928
#1	.000200	.0306136	-.000336	-.001067	.2237313	-.001342	.0002681
#2	.000269	.0294164	-.000094	-.001059	.2432857	-.002266	-.000052
#3	-.000603	-.000163	.000187	-.000211	.2590816	.003232	.000517

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2327377	.0069692	.0004550	.0053996	-.000620	.0014145	-.004580
Stddev	.0418070	.0004607	.0004063	.0007000	.000568	.0111930	.000583
%RSD	17.96313	6.609963	89.31436	12.96340	91.60350	791.2825	12.73618
#1	.1845162	.0069614	.0008761	.0047985	-.000026	.0137813	-.004069
#2	.2548894	.0074336	.0004236	.0061681	-.000676	-.001516	-.004456
#3	.2588075	.0065124	.0000652	.0052321	-.001158	-.008021	-.005216

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCB07 Acquired: 8/23/2024 16:00:17 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB07 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002629	.0023123	-.000001
Stddev	.001589	.0058562	.000046
%RSD	60.44460	253.2649	4797.843
#1	-.002429	-.003697	.000010
#2	-.004309	.008002	-.000052
#3	-.001150	.002632	.000038

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4230.090	61794.57	6748.536	3417.948	6050.088
Stddev	31.867	171.94	30.485	13.343	48.475
%RSD	.7533302	.2782452	.4517276	.3903698	.8012295
#1	4200.579	61617.87	6751.600	3409.635	6006.053
#2	4263.880	61804.51	6716.634	3410.871	6102.031
#3	4225.811	61961.32	6777.373	3433.338	6042.180

Sample Name: P3669-03MS Acquired: 8/23/2024 16:04:40 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9102925	2.132169	1.111769	2.112992	.8180718	10.23096
Stddev	.0098085	.111608	.011849	.025166	.0090246	.01270
%RSD	1.077508	5.234466	1.065768	1.191006	1.103153	.1241578
#1	.8990328	2.026520	1.098170	2.088226	.8078178	10.21997
#2	.9148633	2.121079	1.117264	2.112212	.8215910	10.24487
#3	.9169812	2.248907	1.119872	2.138539	.8248065	10.22805

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4474896	.1992781	.2101341	166.1700	.4206896	.2284473
Stddev	.0010348	.0014291	.0023456	.1105	.0047701	.0027487
%RSD	.2312411	.7171326	1.116235	.0665017	1.133871	1.203211
#1	.4485489	.1976915	.2074618	166.0564	.4193559	.2253376
#2	.4464812	.1996786	.2110887	166.2771	.4259846	.2294518
#3	.4474386	.2004642	.2118519	166.1765	.4167283	.2305524

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3604696	31.58194	3.565327	33.27284	.6296141	.0696270
Stddev	.0035184	.32768	.001841	.17869	.0056197	.0011735
%RSD	.9760705	1.037542	.0516320	.5370379	.8925645	1.685393
#1	.3566982	31.47922	3.567299	33.47554	.6233333	.0683166
#2	.3610468	31.94866	3.563654	33.13813	.6313423	.0705808
#3	.3636637	31.31792	3.565027	33.20485	.6341668	.0699837

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	272.7425	.3463787	.5432497	42.06331	.7943575	.6150564
Stddev	1.9480	.0084913	.0054700	.50724	.0029149	.0057004
%RSD	.7142225	2.451435	1.006897	1.205889	.3669471	.9268055
#1	274.3035	.3557652	.5412090	41.90540	.7910505	.6091418
#2	273.3645	.3392316	.5494467	42.63072	.7965537	.6155120
#3	270.5594	.3441394	.5390935	41.65380	.7954681	.6205152

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3669-03MS Acquired: 8/23/2024 16:04:40 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7403948	.3247013	F 17.31392	9.017705	F 26.22730	.2095169
Stddev	.0091987	.0011417	.17763	.095396	.42566	.0010118
%RSD	1.242401	.3516095	1.025923	1.057873	1.622984	.4829021
#1	.7300311	.3256729	17.28195	8.907830	25.75389	.2089747
#2	.7435615	.3249870	17.50536	9.065869	26.34954	.2106842
#3	.7475918	.3234439	17.15444	9.079418	26.57847	.2088919

Elem	Sr4077
Units	ppm
Avg	1.225245
Stddev	.001160
%RSD	.0946620
#1	1.226413
#2	1.225229
#3	1.224093

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3962.038	59240.07	6797.262	3259.789	5171.349
Stddev	22.097	614.50	27.374	29.910	37.625
%RSD	.5577150	1.037307	.4027186	.9175449	.7275628
#1	3985.485	59598.83	6821.657	3276.392	5213.769
#2	3959.029	58530.52	6802.473	3225.260	5158.266
#3	3941.599	59590.87	6767.658	3277.714	5142.012

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3669-03MSD Acquired: 8/23/2024 16:08:54 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8657506	2.195084	1.087629	2.005593	.7875827	11.53494
Stddev	.0033641	.031716	.000877	.002274	.0026241	.01203
%RSD	.3885784	1.444880	.0806609	.1133717	.3331779	.1043186
#1	.8624506	2.224296	1.087231	2.003791	.7886039	11.52418
#2	.8656258	2.199606	1.087022	2.004840	.7846016	11.53271
#3	.8691754	2.161349	1.088635	2.008148	.7895426	11.54793

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4403984	.2012144	.2045819	155.8048	.4297032	.2236506
Stddev	.0026145	.0033697	.0003977	.5063	.0009630	.0008328
%RSD	.5936709	1.674708	.1943862	.3249485	.2241182	.3723573
#1	.4411704	.1983779	.2042480	155.4637	.4292411	.2234608
#2	.4374848	.2003260	.2044757	155.5642	.4290584	.2229291
#3	.4425400	.2049394	.2050218	156.3866	.4308103	.2245619

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3499819	33.05536	3.354201	32.09900	.6141257	.0673191
Stddev	.0017419	.38954	.011495	.18289	.0018307	.0008908
%RSD	.4977174	1.178441	.3427015	.5697714	.2980988	1.323218
#1	.3485945	33.37795	3.353252	32.06090	.6124613	.0681522
#2	.3494143	33.16551	3.343209	31.93816	.6138293	.0663801
#3	.3519368	32.62260	3.366140	32.29794	.6160865	.0674251

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	261.0691	.3445908	.5703076	41.58479	.7714917	.6030404
Stddev	1.1568	.0033722	.0024208	.62378	.0109036	.0007005
%RSD	.4431107	.9786147	.4244642	1.500022	1.413318	.1161647
#1	261.7828	.3478368	.5687701	42.21784	.7629760	.6026936
#2	259.7344	.3448305	.5690547	41.56581	.7677183	.6025809
#3	261.6902	.3411052	.5730980	40.97071	.7837808	.6038466

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3669-03MSD Acquired: 8/23/2024 16:08:54 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7300279	.4242065	F 19.57441	8.314267	F 23.04378	.2075325
Stddev	.0011539	.0021245	.21805	.019621	.06422	.0030267
%RSD	.1580699	.5008252	1.113954	.2359918	.2786731	1.458412
#1	.7296234	.4231018	19.78772	8.315617	23.09831	.2109795
#2	.7291307	.4228620	19.58360	8.294006	22.97300	.2053098
#3	.7313297	.4266558	19.35191	8.333178	23.06004	.2063080

Elem	Sr4077
Units	ppm
Avg	1.151799
Stddev	.004262
%RSD	.3700294
#1	1.150446
#2	1.148377
#3	1.156573

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4223.743	56701.66	6715.528	3175.419	5545.137
Stddev	7.384	211.37	79.816	5.772	9.755
%RSD	.1748160	.3727844	1.188524	.1817688	.1759172
#1	4230.896	56491.46	6776.351	3168.953	5551.146
#2	4224.185	56699.33	6745.081	3177.250	5550.383
#3	4216.148	56914.19	6625.150	3180.053	5533.882

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3669-03A Acquired: 8/23/2024 16:13:08 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8431502	2.114289	1.047985	1.943399	.7724035	10.72119
Stddev	.0044230	.012748	.003082	.002134	.0013384	.03189
%RSD	.5245829	.6029223	.2940704	.1098247	.1732820	.2974782
#1	.8418398	2.113668	1.050274	1.943980	.7739294	10.69316
#2	.8395305	2.127335	1.044480	1.941034	.7714279	10.75590
#3	.8480804	2.101863	1.049199	1.945183	.7718533	10.71452

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4606787	.1847444	.1962184	178.0134	.4106084	.2155763
Stddev	.0025179	.0005824	.0002385	.8511	.0004207	.0004264
%RSD	.5465593	.3152623	.1215336	.4781030	.1024477	.1977948
#1	.4582300	.1843279	.1964904	177.0410	.4110940	.2154475
#2	.4632605	.1854099	.1960452	178.6227	.4103742	.2152291
#3	.4605457	.1844953	.1961197	178.3766	.4103570	.2160522

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3365984	36.21049	3.787885	35.29741	.6010500	.0664730
Stddev	.0006928	.14282	.018064	.19360	.0006702	.0013511
%RSD	.2058200	.3944194	.4768845	.5484731	.1115066	2.032570
#1	.3363107	36.06598	3.767405	35.08993	.6003459	.0679108
#2	.3360959	36.21391	3.801551	35.32908	.6011239	.0662785
#3	.3373888	36.35157	3.794698	35.47321	.6016802	.0652297

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	310.1076	.3348063	.5758945	47.20249	.8007379	.6111741
Stddev	2.8450	.0016270	.0011169	.14231	.0047430	.0014811
%RSD	.9174212	.4859573	.1939406	.3014904	.5923341	.2423420
#1	312.7249	.3356756	.5771751	47.05300	.7968885	.6110851
#2	310.5184	.3358141	.5753862	47.21816	.8060365	.6097394
#3	307.0795	.3329293	.5751221	47.33633	.7992888	.6126977

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3669-03A Acquired: 8/23/2024 16:13:08 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7037065	.3353665	F 20.17446	8.389984	F 26.71998	.1896966
Stddev	.0018261	.0051186	.03771	.010907	.01667	.0055610
%RSD	.2595016	1.526266	.1869370	.1300017	.0623895	2.931526
#1	.7016158	.3297555	20.13108	8.377502	26.73864	.1833382
#2	.7049896	.3397806	20.19942	8.394771	26.70656	.1920994
#3	.7045141	.3365635	20.19288	8.397680	26.71473	.1936522

Elem	Sr4077
Units	ppm
Avg	1.295261
Stddev	.006665
%RSD	.5145538
#1	1.287939
#2	1.300973
#3	1.296872

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4182.238	56020.68	6991.609	3136.823	5445.283
Stddev	7.369	167.18	19.044	14.238	6.799
%RSD	.1761874	.2984258	.2723826	.4539104	.1248632
#1	4177.983	55831.44	6989.765	3124.726	5437.592
#2	4190.746	56082.29	6973.554	3133.230	5450.493
#3	4177.984	56148.32	7011.508	3152.514	5447.764

Sample Name: PB162615BL Acquired: 8/23/2024 16:17:22 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000297	-.005057	-.000241	-.001205	-.000682	.0102814	.0043151
Stddev	.000904	.002042	.000441	.000624	.000494	.0179541	.0012241
%RSD	304.5758	40.37264	182.8586	51.79053	72.48094	174.6268	28.36776
#1	.000352	-.002895	-.000058	-.001569	-.000220	.0137937	.0032821
#2	-.001330	-.006952	-.000744	-.001563	-.000622	.0262197	.0056672
#3	.000087	-.005326	.000079	-.000485	-.001203	-.009169	.0039962

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000192	-.000023	-.001217	.0019735	.0001490	.0001991	.0020538
Stddev	.0000164	.000077	.008375	.0001723	.0001840	.0002141	.0072537
%RSD	85.51982	336.5216	687.9735	8.731005	123.4992	107.5271	353.1807
#1	.0000376	.000066	-.006187	.0018120	.0002001	.0004264	.0052143
#2	.0000135	-.000068	.008452	.0021549	-.000055	.0000011	.0071911
#3	.0000064	-.000067	-.005917	.0019536	.000302	.0001699	-.006244

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008998	-.000292	.0007288	-.001043	.6050084	-.003452	.0004841
Stddev	.0004667	.011238	.0003181	.000605	.0699864	.005635	.0001018
%RSD	51.86318	3846.145	43.64955	58.02226	11.56784	163.2243	21.02803
#1	.0007110	-.004721	.0010956	-.001180	.5265333	-.000500	.0005755
#2	.0005571	-.008641	.0005622	-.000381	.6275324	.000093	.0003744
#3	.0014313	.012486	.0005285	-.001567	.6609595	-.009950	.0005024

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4946889	.0034864	.0004054	.0029360	-.000130	.0293923	.0006339
Stddev	.0622959	.0002715	.0002415	.0002208	.003228	.0108174	.0006684
%RSD	12.59294	7.786775	59.57354	7.519774	2479.310	36.80346	105.4439
#1	.4271995	.0033539	.0002879	.0026889	-.000304	.0335855	.0007336
#2	.5499896	.0037987	.0006831	.0030054	.003181	.0374853	.0012468
#3	.5068775	.0033066	.0002451	.0031138	-.003268	.0171060	-.000079

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162615BL Acquired: 8/23/2024 16:17:22 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002689	.0001040	-.000194
Stddev	.000808	.0008340	.000070
%RSD	30.06590	802.3411	36.14023
#1	-.001759	.0001987	-.000271
#2	-.003220	-.000773	-.000133
#3	-.003089	.000887	-.000179

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4387.919	60185.93	6374.075	3349.661	6329.590
Stddev	8.753	142.74	40.165	4.192	23.193
%RSD	.1994704	.2371714	.6301296	.1251447	.3664161
#1	4378.060	60350.32	6365.302	3353.463	6302.824
#2	4394.775	60114.15	6339.021	3350.355	6343.733
#3	4390.922	60093.33	6417.901	3345.166	6342.214

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162615BS Acquired: 8/23/2024 16:21:44 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8154549	2.206890	1.002301	1.997518	.7936894	2.023736
Stddev	.0032325	.016802	.007263	.005719	.0009967	.017088
%RSD	.3964091	.7613406	.7246239	.2863076	.1255801	.8443608
#1	.8141269	2.206906	1.008870	1.997522	.7945256	2.004048
#2	.8191400	2.223684	1.003530	2.003235	.7939563	2.032459
#3	.8130979	2.190081	.994501	1.991797	.7925865	2.034702

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2061925	.2014661	.1957271	1.117853	.4058301	.2015876
Stddev	.0018426	.0005236	.0005171	.017331	.0009368	.0008283
%RSD	.8936554	.2599203	.2641987	1.550343	.2308428	.4108815
#1	.2066024	.2011629	.1960179	1.098108	.4049907	.2023974
#2	.2041794	.2011647	.1960333	1.124904	.4056588	.2016235
#3	.2077956	.2020708	.1951300	1.130546	.4068407	.2007420

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3118596	3.032716	.2068965	2.053255	.5050054	.0738112
Stddev	.0011662	.016220	.0015464	.031509	.0016448	.0003765
%RSD	.3739367	.5348382	.7474127	1.534572	.3256999	.5100430
#1	.3130999	3.048138	.2078252	2.089597	.5059149	.0737291
#2	.3116935	3.015801	.2051114	2.033581	.5059946	.0742219
#3	.3107854	3.034209	.2077528	2.036588	.5031067	.0734825

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.138714	.3009406	.1985450	9.745384	.2783079	.4020611
Stddev	.033044	.0022379	.0006219	.034519	.0005283	.0009104
%RSD	1.052782	.7436339	.3132445	.3542104	.1898274	.2264254
#1	3.102386	.3011893	.1983709	9.743151	.2779081	.4028072
#2	3.146775	.2985887	.1992355	9.780966	.2789068	.4023293
#3	3.166982	.3030437	.1980287	9.712036	.2781088	.4010468

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162615BS Acquired: 8/23/2024 16:21:44 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6957840	.1956741	F .6626107	5.813032	F -.008659	.1816079
Stddev	.0034039	.0017645	.0059948	.021581	.002610	.0033266
%RSD	.4892239	.9017436	.9047186	.3712550	30.14693	1.831745
#1	.6984222	.1974370	.6571849	5.830834	-.009571	.1854157
#2	.6969881	.1956770	.6690462	5.819233	-.010691	.1792666
#3	.6919416	.1939081	.6616011	5.789030	-.005715	.1801413

Elem	Sr4077
Units	ppm
Avg	.1945882
Stddev	.0002101
%RSD	.1079785
#1	.1948251
#2	.1944242
#3	.1945153

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4322.596	60405.51	6701.943	3335.908	6155.986
Stddev	15.349	158.19	16.392	13.252	23.860
%RSD	.3550899	.2618803	.2445901	.3972556	.3875949
#1	4304.877	60223.24	6700.263	3324.143	6129.512
#2	4331.122	60506.98	6719.110	3333.317	6162.617
#3	4331.789	60486.32	6686.455	3350.265	6175.830

Sample Name: PB162625BL Acquired: 8/23/2024 16:25:54 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000998	-.003532	-.001164	-.000689	-.001203	-.001580	.0010909
Stddev	.001704	.001487	.000925	.002127	.001252	.010772	.0009483
%RSD	170.7497	42.09247	79.43872	308.6031	104.0743	681.6521	86.92497
#1	.000358	-.002411	-.000124	.000727	-.000324	.003537	.0006982
#2	-.002910	-.002966	-.001476	-.003135	-.000648	-.013958	.0021725
#3	-.000442	-.005218	-.001894	.000340	-.002636	.005679	.0004021

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000727	-.000036	.0114229	.0001925	.0003174	.0004303	.0038944
Stddev	.0000236	.000022	.0074317	.0002871	.0002307	.0002531	.0048780
%RSD	32.43501	60.20029	65.05963	149.1483	72.69443	58.83295	125.2562
#1	.0000908	-.000044	.0154787	.0002374	.0000512	.0006736	.0049451
#2	.0000812	-.000012	.0159444	.0004545	.0004590	.0001684	-.001423
#3	.0000460	-.000053	.0028457	-.000114	.0004421	.0004488	.008162

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000012	.0209781	-.000400	-.000917	.2481612	.0014033	.0000791
Stddev	.000384	.0081270	.000277	.000195	.0063537	.0012977	.0006531
%RSD	3181.287	38.74016	69.20844	21.28102	2.560308	92.47510	825.8952
#1	.000335	.0117026	-.000681	-.000736	.2438062	.0020192	-.000438
#2	.000052	.0268491	-.000127	-.000890	.2452254	.0022784	-.000138
#3	-.000424	.0243825	-.000392	-.001124	.2554519	-.000088	.000813

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2337907	-.000320	.0000056	.0008721	-.001968	.0092067	.0015491
Stddev	.0448787	.000583	.0001321	.0006144	.001914	.0143379	.0017560
%RSD	19.19611	182.4575	2373.890	70.44926	97.24233	155.7343	113.3553
#1	.1819707	.000138	.0001398	.0002489	-.001104	-.002485	-.000479
#2	.2600414	-.000120	.0000011	.0014773	-.000639	.004901	.002562
#3	.2593600	-.000976	-.000124	.0008901	-.004162	.025204	.002564

Sample Name: PB162625BL Acquired: 8/23/2024 16:25:54 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.003953	.0001602	-.000063
Stddev	.001577	.0006358	.000199
%RSD	39.89448	396.9668	314.9321
#1	-.002681	.0000941	-.000230
#2	-.005717	.0008264	.000156
#3	-.003460	-.000440	-.000115

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4440.856	58583.16	6968.448	3291.186	6459.420
Stddev	25.778	113.99	106.961	25.245	39.102
%RSD	.5804812	.1945757	1.534939	.7670548	.6053427
#1	4415.966	58653.01	6904.970	3293.024	6422.120
#2	4467.439	58451.62	6908.433	3265.072	6500.103
#3	4439.163	58644.85	7091.940	3315.462	6456.038

Sample Name: PB162870BL Acquired: 8/23/2024 16:30:17 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000331	-.003936	-.000078	.0014931	-.003281	.0234333
Stddev	.001901	.001877	.001110	.0007760	.000705	.0102793
%RSD	573.6846	47.69075	1419.432	51.97470	21.49554	43.86632
#1	-.000689	-.005524	-.001066	.0023805	-.003451	.0146024
#2	.001723	-.004420	.001123	.0009418	-.002506	.0347172
#3	-.002029	-.001864	-.000291	.0011569	-.003886	.0209802

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054976	-.000079	-.000268	.1564275	.0046663	.0001004
Stddev	.0006164	.000046	.000036	.0033647	.0007553	.0000679
%RSD	11.21279	57.95257	13.58215	2.150985	16.18562	67.63613
#1	.0062093	-.000029	-.000267	.1545234	.0043695	.0001463
#2	.0051346	-.000120	-.000232	.1603125	.0041046	.0001327
#3	.0051488	-.000088	-.000305	.1544465	.0055249	.0000224

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006577	.0359629	.0044356	.1208734	.0016954	-.000925
Stddev	.0000582	.0087695	.0000490	.0148181	.0001240	.000193
%RSD	8.842328	24.38488	1.104464	12.25921	7.315727	20.80516
#1	.0005963	.0363013	.0044802	.1362737	.0018051	-.000866
#2	.0007119	.0445583	.0043832	.1067158	.0017201	-.000770
#3	.0006650	.0270291	.0044435	.1196308	.0015608	-.001141

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.092941	.0028845	.0088308	-.119379	.0013622	.0004352
Stddev	.008606	.0009158	.0001395	.049268	.0002791	.0000624
%RSD	9.259740	31.75070	1.580170	41.27040	20.48652	14.34066
#1	-.085429	.0038166	.0086877	-.173171	.0016813	.0003978
#2	-.102331	.0028511	.0089665	-.108521	.0011633	.0004005
#3	-.091062	.0019858	.0088381	-.076446	.0012421	.0005072

Sample Name: PB162870BL Acquired: 8/23/2024 16:30:17 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000926	-.000234	.0352132	F .0208657	F .0592335	-.004208
Stddev	.000076	.002680	.0083990	.0028761	.0014147	.005985
%RSD	8.226885	1143.772	23.85179	13.78369	2.388390	142.2373
#1	-.000908	-.003081	.0333936	.0230826	.0586238	-.002483
#2	-.000861	.000137	.0278731	.0218988	.0608509	.000726
#3	-.001010	.002241	.0443728	.0176158	.0582259	-.010865

Elem	Sr4077
Units	ppm
Avg	.0000172
Stddev	.0000358
%RSD	207.5630
#1	.0000089
#2	.0000564
#3	-.000014

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4472.957	60829.68	6832.116	3400.772	6529.140
Stddev	1.899	230.09	28.685	12.096	2.321
%RSD	.0424618	.3782591	.4198577	.3556934	.0355501
#1	4473.433	60909.91	6864.224	3414.409	6527.935
#2	4474.574	61008.92	6809.014	3396.566	6531.815
#3	4470.865	60570.22	6823.111	3391.339	6527.669

Sample Name: PB162870BS Acquired: 8/23/2024 16:34:40 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8020270	2.044223	.9589318	1.953608	.7694779	1.966708
Stddev	.0033307	.019245	.0027681	.006324	.0016213	.025937
%RSD	.4152838	.9414097	.2886644	.3237315	.2107057	1.318786
#1	.7981943	2.035129	.9572809	1.953245	.7686770	1.972807
#2	.8042192	2.066329	.9573870	1.947473	.7684129	1.989051
#3	.8036675	2.031211	.9621276	1.960106	.7713439	1.938265

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1955953	.1861821	.1868593	1.192139	.3923421	.1940852
Stddev	.0018238	.0008337	.0000698	.015138	.0004506	.0000578
%RSD	.9324589	.4477988	.0373596	1.269844	.1148625	.0297879
#1	.1938154	.1853763	.1868534	1.190572	.3918767	.1940531
#2	.1974601	.1861287	.1869319	1.208000	.3927764	.1940505
#3	.1955104	.1870412	.1867927	1.177846	.3923733	.1941519

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3042459	2.863617	.2003741	2.007499	.4877424	.0672688
Stddev	.0006450	.018427	.0007751	.005806	.0003072	.0002038
%RSD	.2119907	.6434731	.3868502	.2892055	.0629929	.3029472
#1	.3042065	2.861506	.1994939	2.010941	.4879770	.0670897
#2	.3036215	2.883009	.2006736	2.010761	.4873946	.0672260
#3	.3049097	2.846337	.2009549	2.000796	.4878555	.0674905

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.439075	.2916561	.2038959	8.708319	.2476216	.3989590
Stddev	.012993	.0020413	.0004066	.050197	.0021461	.0007231
%RSD	.5326884	.6998861	.1993944	.5764203	.8666654	.1812540
#1	2.453241	.2928883	.2039725	8.753303	.2456697	.3989832
#2	2.427713	.2892999	.2042587	8.654172	.2472755	.3982241
#3	2.436272	.2927802	.2034565	8.717482	.2499197	.3996697

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162870BS Acquired: 8/23/2024 16:34:40 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6738586	.1894680	F .6352865	5.623277	F .0669600	.1646852
Stddev	.0010277	.0004982	.0120565	.008547	.0002233	.0038598
%RSD	.1525156	.2629502	1.897800	.1519966	.3334629	2.343767
#1	.6729091	.1899193	.6243690	5.613425	.0667501	.1677801
#2	.6749499	.1895513	.6332641	5.628705	.0671946	.1659152
#3	.6737169	.1889334	.6482262	5.627702	.0669354	.1603602

Elem	Sr4077
Units	ppm
Avg	.1860973
Stddev	.0004487
%RSD	.2411156
#1	.1856185
#2	.1861655
#3	.1865081

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4163.149	63604.59	6815.602	3451.490	5945.624
Stddev	4.555	103.57	36.034	9.589	10.359
%RSD	.1094148	.1628284	.5286987	.2778303	.1742235
#1	4168.187	63523.52	6840.521	3442.580	5953.437
#2	4161.941	63721.26	6832.000	3450.250	5933.874
#3	4159.320	63568.98	6774.285	3461.638	5949.560

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162625BS Acquired: 8/23/2024 16:38:50 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8526688	2.234679	1.029317	2.150658	.8289728	2.028059
Stddev	.0028247	.032201	.002033	.003097	.0043447	.016312
%RSD	.3312780	1.440953	.1975276	.1439837	.5241016	.8042929
#1	.8528930	2.268542	1.028051	2.152599	.8245497	2.015732
#2	.8553747	2.231046	1.028237	2.152288	.8332345	2.021889
#3	.8497387	2.204448	1.031662	2.147087	.8291344	2.046555

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2060946	.2103984	.2023035	1.106815	.4058974	.2061621
Stddev	.0017653	.0004129	.0001721	.003177	.0018875	.0002912
%RSD	.8565422	.1962471	.0850689	.2870588	.4650187	.1412658
#1	.2050141	.2103385	.2021204	1.106940	.4076713	.2064894
#2	.2081318	.2108380	.2023280	1.109928	.4061070	.2060655
#3	.2051381	.2100187	.2024620	1.103577	.4039138	.2059314

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3210180	2.942458	.2065072	2.044584	.5174897	.0754638
Stddev	.0006965	.006682	.0015659	.012006	.0003693	.0004589
%RSD	.2169519	.2271026	.7582876	.5872219	.0713610	.6081394
#1	.3204701	2.943461	.2049660	2.058448	.5170649	.0759906
#2	.3207821	2.935331	.2080967	2.037679	.5177344	.0751509
#3	.3218017	2.948582	.2064590	2.037625	.5176697	.0752498

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.867914	.2969564	.2034627	9.412468	.2923859	.4068574
Stddev	.026336	.0033996	.0008474	.067377	.0013966	.0007560
%RSD	.9183144	1.144808	.4165069	.7158324	.4776520	.1858043
#1	2.846724	.2940956	.2041691	9.429966	.2907736	.4073961
#2	2.859617	.3007147	.2036958	9.338067	.2931631	.4071828
#3	2.897399	.2960591	.2025231	9.469370	.2932211	.4059932

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162625BS Acquired: 8/23/2024 16:38:50 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7148979	.1946127	F .6330585	6.133394	F -.009736	.1841424
Stddev	.0011558	.0016931	.0140213	.007619	.001734	.0025020
%RSD	.1616759	.8700067	2.214851	.1242247	17.80497	1.358731
#1	.7161663	.1935078	.6208387	6.124682	-.011690	.1813194
#2	.7146235	.1965620	.6483665	6.138812	-.009135	.1860859
#3	.7139040	.1937684	.6299702	6.136688	-.008383	.1850219

Elem	Sr4077
Units	ppm
Avg	.1950306
Stddev	.0007394
%RSD	.3791370
#1	.1943175
#2	.1957939
#3	.1949805

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4205.862	62121.09	6684.642	3417.152	5973.513
Stddev	10.847	268.96	34.933	8.776	10.905
%RSD	.2579099	.4329647	.5225797	.2568345	.1825637
#1	4213.390	61875.39	6694.376	3410.935	5981.487
#2	4193.428	62079.43	6645.875	3413.329	5961.085
#3	4210.767	62408.46	6713.675	3427.191	5977.966

Sample Name: PB162766BL Acquired: 8/23/2024 16:43:00 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000515	-.002350	.0005480	-.000482	-.000782	.0027991	.0032767
Stddev	.000461	.000252	.0006120	.002732	.001197	.0134325	.0024527
%RSD	89.44473	10.73436	111.6753	567.1968	153.0487	479.8805	74.85266
#1	-.000646	-.002357	.0005487	-.003444	.000118	.0172037	.0017057
#2	-.000003	-.002094	-.000064	.000061	-.000324	-.009384	.0061029
#3	-.000897	-.002598	.001160	.001938	-.002141	.000578	.0020214

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000408	-.000019	.0153844	.0004787	.0001396	.0002505	-.001999
Stddev	.0000699	.000042	.0061488	.0003178	.0002232	.0004331	.007299
%RSD	171.5236	226.5030	39.96766	66.37607	159.8525	172.8674	365.1895
#1	-.000040	.000027	.0084039	.0006728	.0002787	.0001147	.003204
#2	.000076	-.000056	.0199979	.0001120	.0002580	.0007353	-.010342
#3	.000086	-.000027	.0177515	.0006514	-.000118	-.000098	.001142

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001873	.0164643	.0000926	-.000786	.1588867	-.000743	.0001756
Stddev	.0004278	.0240583	.0003433	.000579	.0355218	.004509	.0001595
%RSD	228.3478	146.1244	370.9583	73.59368	22.35669	607.2952	90.84321
#1	-.000303	.0392272	.0003288	-.001421	.1272856	-.004716	.0000377
#2	.000486	-.008708	.0002501	-.000650	.1520416	-.001669	.0001389
#3	.000378	.018874	-.000301	-.000288	.1973329	.004158	.0003503

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1790428	-.000603	.0002190	.0075996	-.001432	.0006155	.0004804
Stddev	.1152737	.001749	.0003758	.0002507	.001264	.0101727	.0009642
%RSD	64.38330	289.9123	171.6089	3.299268	88.24450	1652.746	200.7278
#1	.0675760	.001020	.0003108	.0078411	-.002744	-.004902	.0014783
#2	.2977793	-.000375	-.000194	.0073406	-.001330	-.005607	.0004090
#3	.1717731	-.002456	.000540	.0076170	-.000223	.012355	-.000446

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162766BL Acquired: 8/23/2024 16:43:00 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.003630	-.003671	-.000132
Stddev	.002998	.004440	.000153
%RSD	82.57947	120.9378	116.6281
#1	-.001693	.000557	.000038
#2	-.007083	-.003275	-.000174
#3	-.002114	-.008297	-.000260

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4471.671	60223.01	6862.554	3370.482	6547.964
Stddev	10.715	218.05	54.427	10.961	9.436
%RSD	.2396174	.3620668	.7931069	.3252005	.1441106
#1	4475.322	60359.80	6801.857	3374.626	6555.021
#2	4480.084	60337.67	6907.018	3378.767	6551.626
#3	4459.608	59971.55	6878.786	3358.053	6537.246

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCV08 Acquired: 8/23/2024 16:47:23 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV08 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.928327	5.456368	4.944469	5.021273	4.929451	9.761065	9.655855
Stddev	.005769	.016114	.008901	.017115	.008273	.009649	.022768
%RSD	.1170544	.2953262	.1800146	.3408555	.1678318	.0988479	.2357897
#1	4.924683	5.454076	4.937345	5.006681	4.921497	9.764489	9.633747
#2	4.925320	5.441523	4.941615	5.017026	4.928846	9.768536	9.679229
#3	4.934978	5.473506	4.954446	5.040112	4.938010	9.750172	9.654591

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2538312	2.468372	24.46404	.9907323	2.452884	1.232718	4.958596
Stddev	.0019267	.004182	.02331	.0004187	.004244	.002737	.030190
%RSD	.7590648	.1694170	.0952818	.0422634	.1730241	.2220408	.6088502
#1	.2530802	2.465864	24.44492	.9902518	2.450241	1.231109	4.964696
#2	.2560203	2.466052	24.49001	.9910192	2.450632	1.231166	4.925821
#3	.2523930	2.473199	24.45719	.9909259	2.457780	1.235878	4.985270

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.432585	24.11911	2.457626	1.257480	23.93953	2.412872	2.489253
Stddev	.005112	.16205	.005293	.000704	.13800	.010650	.005858
%RSD	.2101619	.6718587	.2153567	.0559663	.5764729	.4413853	.2353422
#1	2.428735	24.07730	2.454288	1.257081	23.99047	2.402792	2.492936
#2	2.438385	24.29797	2.454861	1.257067	23.78330	2.411811	2.482498
#3	2.430635	23.98207	2.463728	1.258293	24.04482	2.424013	2.492325

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.45505	5.046972	4.990725	4.999798	4.874670	4.813870	4.936184
Stddev	.11816	.044699	.010316	.006846	.009561	.063946	.007473
%RSD	.4831779	.8856632	.2066987	.1369250	.1961413	1.328379	.1513887
#1	24.45551	5.031805	4.984819	4.992903	4.867400	4.783817	4.939054
#2	24.33666	5.097282	4.984720	4.999897	4.885501	4.770487	4.927702
#3	24.57298	5.011830	5.002637	5.006594	4.871110	4.887307	4.941797

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCV08 Acquired: 8/23/2024 16:47:23 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV08 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.817070	4.583668	4.820527
Stddev	.012923	.030370	.052720
%RSD	.2682815	.6625792	1.093652
#1	4.810159	4.557170	4.801599
#2	4.809073	4.616811	4.880097
#3	4.831980	4.577022	4.779884

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4310.642	56883.58	6523.410	3158.286	5959.747
Stddev	6.359	186.23	42.530	13.846	11.871
%RSD	.1475090	.3273840	.6519544	.4384052	.1991827
#1	4308.433	56863.75	6547.053	3151.335	5951.106
#2	4317.810	57078.93	6474.312	3174.230	5973.283
#3	4305.682	56708.07	6548.865	3149.292	5954.853

Sample Name: CCB08 Acquired: 8/23/2024 16:51:33 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB08 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001876	-.001664	.0004755	.0019319	-.000385	.0378253	.0040926
Stddev	.003317	.001003	.0013703	.0020361	.002192	.0111912	.0001242
%RSD	176.7562	60.30019	288.1644	105.3931	569.1094	29.58656	3.033497
#1	-.005705	-.000506	.0004278	.0017476	.002008	.0399248	.0041329
#2	-.000023	-.002213	.0018691	.0040540	-.002297	.0478181	.0041916
#3	.000100	-.002273	-.000870	-.000006	-.000866	.0257331	.0039533

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000663	-.000096	.0001873	.0007152	.0002273	.0000286	.0025656
Stddev	.0000300	.000046	.0309962	.0002443	.0000982	.0004128	.0115180
%RSD	45.27918	48.42946	16547.68	34.16213	43.21753	1441.266	448.9387
#1	.0000457	-.000042	-.034611	.0004749	.0002162	-.000371	.0089702
#2	.0000524	-.000124	.010338	.0007074	.0001351	.000454	-.010731
#3	.0001007	-.000121	.024836	.0009634	.0003307	.000003	.009458

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001898	.0171735	.0001208	-.001214	.1080500	-.002253	.0005747
Stddev	.0000777	.0034174	.0002373	.000176	.0046460	.002495	.0000994
%RSD	40.95021	19.89931	196.4525	14.51734	4.299880	110.7190	17.29482
#1	.0001057	.0133505	.0000101	-.001301	.1090201	-.001484	.0006693
#2	.0002047	.0182382	-.000041	-.001331	.1029955	-.005042	.0004711
#3	.0002590	.0199319	.000393	-.001012	.1121343	-.000234	.0005839

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1379850	.0061783	.0003034	.0059501	.0026849	-.004335	-.001863
Stddev	.0416238	.0005609	.0000175	.0002756	.0001078	.011767	.001123
%RSD	30.16548	9.077955	5.758084	4.630955	4.016688	271.4105	60.25570
#1	.1786299	.0066639	.0002834	.0062671	.0026526	.007755	-.001059
#2	.1398783	.0063065	.0003111	.0058157	.0028052	-.015750	-.003146
#3	.0954468	.0055644	.0003158	.0057676	.0025968	-.005011	-.001385

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCB08 Acquired: 8/23/2024 16:51:33 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB08 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000887	-.002749	-.000108
Stddev	.001081	.005001	.000133
%RSD	121.9416	181.9637	122.6632
#1	-.001645	.002249	.000012
#2	-.001365	-.002741	-.000087
#3	.000351	-.007754	-.000251

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4210.197	64234.24	6633.138	3527.379	6001.980
Stddev	7.588	164.11	65.821	10.422	6.661
%RSD	.1802216	.2554844	.9923117	.2954612	.1109736
#1	4217.215	64091.96	6576.766	3533.189	6007.760
#2	4211.229	64197.00	6617.176	3515.347	6003.484
#3	4202.146	64413.77	6705.473	3533.601	5994.696

Sample Name: PB162766BS Acquired: 8/23/2024 16:55:56 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8658853	2.283346	1.035310	2.172746	.8301466	2.020289
Stddev	.0023452	.002064	.004690	.011401	.0037936	.019619
%RSD	.2708446	.0903963	.4529952	.5247190	.4569745	.9711187
#1	.8631943	2.285296	1.030712	2.159588	.8259140	2.004293
#2	.8674937	2.281184	1.035132	2.178979	.8312860	2.014395
#3	.8669678	2.283558	1.040086	2.179671	.8332400	2.042180

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2041477	.2104555	.2040583	1.101899	.4057380	.2079217
Stddev	.0018701	.0016388	.0006608	.013800	.0011103	.0007430
%RSD	.9160576	.7786712	.3238483	1.252377	.2736470	.3573238
#1	.2037024	.2085755	.2035146	1.117731	.4056402	.2072382
#2	.2025404	.2115816	.2038665	1.095553	.4046798	.2078145
#3	.2062003	.2112095	.2047938	1.092414	.4068939	.2087125

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3230267	2.949236	.2046755	2.054150	.5214076	.0757520
Stddev	.0012681	.022345	.0003203	.017433	.0017717	.0003818
%RSD	.3925595	.7576448	.1564735	.8486485	.3397947	.5040365
#1	.3217451	2.957306	.2043736	2.060055	.5195899	.0753150
#2	.3230541	2.923977	.2050114	2.034532	.5215037	.0760209
#3	.3242808	2.966424	.2046416	2.067863	.5231294	.0759202

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.873414	.2952678	.2026865	9.460605	.2957774	.4069062
Stddev	.010073	.0039079	.0001758	.147164	.0019170	.0009172
%RSD	.3505607	1.323511	.0867579	1.555546	.6481251	.2254158
#1	2.878811	.2985790	.2028879	9.553512	.2937854	.4059120
#2	2.861793	.2962671	.2025635	9.290930	.2976093	.4077195
#3	2.879639	.2909573	.2026081	9.537373	.2959376	.4070872

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162766BS Acquired: 8/23/2024 16:55:56 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7231681	.1935925	F .6199073	6.212719	F -.009848	.1817212
Stddev	.0036064	.0024206	.0018931	.008457	.003662	.0030883
%RSD	.4986968	1.250385	.3053773	.1361315	37.18288	1.699450
#1	.7225379	.1939645	.6189381	6.211247	-.006218	.1784990
#2	.7199184	.1910073	.6186951	6.205094	-.009785	.1820093
#3	.7270481	.1958055	.6220887	6.221816	-.013541	.1846554

Elem	Sr4077
Units	ppm
Avg	.1928609
Stddev	.0004646
%RSD	.2409059
#1	.1925103
#2	.1926845
#3	.1933879

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4184.930	61390.32	6692.065	3403.188	5919.212
Stddev	6.142	280.83	28.589	20.100	5.343
%RSD	.1467616	.4574474	.4272018	.5906159	.0902732
#1	4191.947	61074.19	6708.909	3380.141	5921.479
#2	4180.531	61485.85	6659.056	3412.340	5923.048
#3	4182.312	61610.92	6708.230	3417.083	5913.109

Sample Name: PB162789BL Acquired: 8/23/2024 17:00:05 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002744	-.002694	-.000210	.0015964	-.000500	.0105945	.0038083
Stddev	.000622	.000981	.000821	.0027116	.000199	.0162496	.0010475
%RSD	22.66189	36.41267	390.0258	169.8585	39.79710	153.3775	27.50464
#1	-.003405	-.002726	.000455	.0047273	-.000419	.0256117	.0047161
#2	-.002655	-.003659	-.001128	-.000002	-.000355	-.006656	.0026622
#3	-.002171	-.001698	.000041	.000064	-.000727	.012828	.0040467

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000138	-.000085	.0097232	-.000281	.0002083	.0003537	-.002793
Stddev	.0000727	.000045	.0167084	.000387	.0001045	.0004495	.013945
%RSD	528.1947	53.29915	171.8394	137.8091	50.13913	127.0866	499.3135
#1	-.000064	-.000033	-.006001	-.000715	.0001652	-.000160	.001481
#2	.000079	-.000105	.007905	-.000158	.0001323	.000673	-.018375
#3	.000026	-.000116	.027266	.000030	.0003274	.000549	.008515

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008914	.0246563	-.000258	-.000639	.0704557	.0031192	.0003706
Stddev	.0001951	.0216872	.000037	.000191	.0230527	.0033162	.0002014
%RSD	21.88826	87.95778	14.25605	29.93246	32.71944	106.3151	54.33262
#1	.0010413	.0480211	-.000275	-.000587	.0451027	.0053293	.0001647
#2	.0009621	.0207778	-.000216	-.000850	.0901568	-.000694	.0003801
#3	.0006708	.0051701	-.000282	-.000479	.0761076	.004722	.0005671

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0706347	.0021982	.0007247	.0024100	-.000933	.0087892	-.001234
Stddev	.0393408	.0003376	.0003476	.0002325	.000963	.0102156	.001690
%RSD	55.69616	15.36001	47.96730	9.647102	103.1949	116.2289	137.0276
#1	.0936918	.0020717	.0006319	.0023014	-.001771	-.001520	-.001574
#2	.0930027	.0019421	.0011093	.0026769	-.001148	.018908	-.002728
#3	.0252096	.0025808	.0004329	.0022517	.000119	.008980	.000601

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162789BL Acquired: 8/23/2024 17:00:05 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.003885	-.001213	-.000142
Stddev	.000285	.004722	.000056
%RSD	7.336659	389.2529	39.16080
#1	-.003857	-.006056	-.000206
#2	-.004183	-.000960	-.000111
#3	-.003615	.003377	-.000108

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4227.843	61120.63	6673.713	3390.143	6047.199
Stddev	16.142	32.20	61.171	5.517	16.060
%RSD	.3817968	.0526797	.9166002	.1627238	.2655774
#1	4245.941	61093.78	6693.365	3386.869	6065.223
#2	4222.656	61111.78	6722.643	3387.048	6034.407
#3	4214.933	61156.33	6605.131	3396.512	6041.969

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162789BS Acquired: 8/23/2024 17:04:29 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8353566	2.198123	1.013405	2.059365	.8058315	2.002723
Stddev	.0009265	.021664	.000570	.008616	.0029302	.010513
%RSD	.1109123	.9855700	.0562471	.4183888	.3636233	.5249388
#1	.8361550	2.205642	1.013339	2.055789	.8060929	1.990680
#2	.8343407	2.173702	1.012871	2.053113	.8027794	2.007424
#3	.8355741	2.215027	1.014005	2.069193	.8086222	2.010065

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2011073	.2071973	.1982471	1.095037	.3977594	.2039069
Stddev	.0011617	.0010707	.0003805	.001658	.0008010	.0001519
%RSD	.5776254	.5167326	.1919433	.1514133	.2013698	.0744902
#1	.2003059	.2075373	.1985288	1.094224	.3968402	.2037404
#2	.2024395	.2080566	.1978142	1.093943	.3981300	.2039424
#3	.2005763	.2059979	.1983983	1.096945	.3983079	.2040378

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3150909	2.826365	.2034983	2.020797	.5103616	.0729361
Stddev	.0000979	.009071	.0007314	.035679	.0008207	.0004008
%RSD	.0310776	.3209452	.3594086	1.765600	.1608020	.5494816
#1	.3151676	2.833142	.2038191	2.042039	.5098841	.0725000
#2	.3149806	2.816060	.2040145	2.040746	.5098915	.0732882
#3	.3151243	2.829892	.2026613	1.979605	.5113093	.0730201

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.697319	.2931662	.1974672	8.991375	.2886558	.4023741
Stddev	.023644	.0014580	.0002969	.031335	.0013170	.0011360
%RSD	.8765826	.4973440	.1503344	.3485039	.4562412	.2823168
#1	2.671201	.2927505	.1971523	8.962190	.2882710	.4014949
#2	2.703488	.2947869	.1977419	9.024490	.2901223	.4019708
#3	2.717267	.2919611	.1975073	8.987445	.2875740	.4036567

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162789BS Acquired: 8/23/2024 17:04:29 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7059973	.1934798	F .6075286	5.987048	F -.008204	.1794070
Stddev	.0017780	.0015595	.0075814	.018991	.001906	.0028385
%RSD	.2518400	.8060350	1.247914	.3171988	23.23121	1.582180
#1	.7080386	.1941844	.5994017	5.998619	-.010171	.1797037
#2	.7047872	.1945626	.6144105	5.965130	-.008076	.1820856
#3	.7051661	.1916923	.6087737	5.997394	-.006366	.1764318

Elem	Sr4077
Units	ppm
Avg	.1916849
Stddev	.0002890
%RSD	.1507685
#1	.1914579
#2	.1920102
#3	.1915865

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4234.070	63201.91	6623.105	3445.788	5993.453
Stddev	10.923	226.45	17.008	11.422	21.222
%RSD	.2579758	.3583020	.2568012	.3314804	.3540790
#1	4221.467	63106.75	6604.227	3434.693	5968.965
#2	4240.796	63460.41	6627.852	3457.511	6006.481
#3	4239.947	63038.56	6637.235	3445.162	6004.913

Sample Name: PB162765BL Acquired: 8/23/2024 17:08:37 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000038	-.002449	-.000055	.0008823	-.000731	.0079720	.0051187
Stddev	.001770	.001385	.000981	.0028190	.000148	.0109762	.0018230
%RSD	4651.760	56.57620	1781.115	319.5049	20.30944	137.6831	35.61525
#1	.001624	-.003291	-.000538	.0040357	-.000882	.0002675	.0031814
#2	-.001898	-.000850	.001073	.0000047	-.000726	.0031090	.0053742
#3	.000160	-.003206	-.000701	-.001394	-.000585	.0205396	.0068005

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000717	.0000104	.0337428	.0008487	.0001310	.0001640	.0041272
Stddev	.0000656	.0000791	.0156167	.0000425	.0002459	.0003660	.0048608
%RSD	91.49130	763.4348	46.28151	5.007295	187.6402	223.2115	117.7751
#1	.0001442	.0000693	.0217955	.0008458	-.000046	-.000227	-.000939
#2	.0000547	-.000080	.0514138	.0008078	.000028	.000222	.004569
#3	.0000163	.000041	.0280192	.0008926	.000412	.000498	.008752

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009459	.0241558	.0001252	-.000810	.0417880	-.002568	.0017293
Stddev	.0005378	.0325361	.0002319	.000371	.0116941	.008007	.0002001
%RSD	56.86107	134.6926	185.2565	45.81359	27.98444	311.8507	11.57119
#1	.0006846	.0386170	.0003595	-.000455	.0289294	-.011813	.0018173
#2	.0005886	-.013104	.0001204	-.000780	.0446474	.001938	.0015002
#3	.0015644	.046955	-.000104	-.001195	.0517873	.002172	.0018702

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0637294	.0016370	-.000007	.0018612	.0004495	-.004955	.0007397
Stddev	.0156680	.0012879	.000124	.0003393	.0011748	.016816	.0018285
%RSD	24.58515	78.67117	1669.821	18.22950	261.3302	339.4097	247.2035
#1	.0619539	.0009682	-.000051	.0016585	.0012833	.013841	-.001252
#2	.0490248	.0031217	-.000104	.0022528	-.000894	-.010128	.001129
#3	.0802095	.0008212	.000133	.0016722	.000959	-.018576	.002342

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162765BL Acquired: 8/23/2024 17:08:37 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002797	-.008938	-.000043
Stddev	.001746	.001884	.000101
%RSD	62.44779	21.08240	235.1947
#1	-.002260	-.007386	.000051
#2	-.004748	-.011034	-.000031
#3	-.001381	-.008393	-.000149

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4417.011	59911.28	6707.970	3355.063	6402.915
Stddev	10.761	283.65	9.248	12.979	14.592
%RSD	.2436207	.4734427	.1378658	.3868334	.2278931
#1	4407.282	60151.14	6703.059	3369.265	6389.292
#2	4428.569	59598.20	6718.638	3343.819	6418.313
#3	4415.183	59984.50	6702.215	3352.105	6401.139

Sample Name: PB162765BS Acquired: 8/23/2024 17:12:58 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8844114	2.349902	1.074817	2.216917	.8601653	2.126980
Stddev	.0031714	.020733	.000236	.008040	.0026654	.012668
%RSD	.3585864	.8823041	.0220019	.3626671	.3098668	.5955689
#1	.8867012	2.372178	1.074921	2.225473	.8594254	2.134497
#2	.8857413	2.346359	1.074546	2.215757	.8631225	2.134089
#3	.8807915	2.331168	1.074984	2.209519	.8579481	2.112355

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2162724	.2179986	.2108559	1.188783	.4283900	.2152227
Stddev	.0007293	.0007497	.0002017	.018245	.0014075	.0003087
%RSD	.3372339	.3438971	.0956740	1.534743	.3285638	.1434218
#1	.2157760	.2172060	.2110102	1.170886	.4299830	.2155743
#2	.2159315	.2180935	.2106276	1.188106	.4273141	.2150972
#3	.2171098	.2186964	.2109298	1.207357	.4278730	.2149964

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3344891	3.147748	.2164785	2.152537	.5392629	.0793420
Stddev	.0002867	.004461	.0004832	.024300	.0003746	.0003905
%RSD	.0857046	.1417246	.2232200	1.128919	.0694619	.4922206
#1	.3348114	3.151998	.2162355	2.162777	.5395424	.0796123
#2	.3343935	3.143102	.2161650	2.170041	.5388373	.0788942
#3	.3342625	3.148144	.2170350	2.124792	.5394090	.0795194

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.929530	.3123694	.2167365	9.902335	.3022113	.4243588
Stddev	.017067	.0052081	.0007495	.036720	.0016525	.0010345
%RSD	.5825681	1.667281	.3458045	.3708165	.5468067	.2437795
#1	2.911040	.3090482	.2159017	9.864106	.3007408	.4254765
#2	2.932871	.3096883	.2169562	9.905569	.3039997	.4241650
#3	2.944679	.3183718	.2173516	9.937331	.3018936	.4234349

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162765BS Acquired: 8/23/2024 17:12:58 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7418009	.2055387	F .6564662	6.285409	F -.007866	.1878867
Stddev	.0017347	.0011648	.0155612	.022077	.000086	.0027021
%RSD	.2338482	.5667232	2.370450	.3512431	1.088316	1.438144
#1	.7430523	.2068452	.6478088	6.307473	-.007876	.1898093
#2	.7425297	.2051621	.6744308	6.263319	-.007776	.1890534
#3	.7398207	.2046087	.6471590	6.285435	-.007947	.1847972

Elem	Sr4077
Units	ppm
Avg	.2045987
Stddev	.0000945
%RSD	.0462078
#1	.2046768
#2	.2046258
#3	.2044936

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4313.088	61863.88	6811.224	3423.874	6146.669
Stddev	9.053	198.42	10.031	9.430	7.449
%RSD	.2099053	.3207329	.1472738	.2754173	.1211814
#1	4307.132	61666.92	6813.244	3419.307	6141.825
#2	4308.625	61861.01	6800.337	3417.597	6142.937
#3	4323.506	62063.72	6820.092	3434.718	6155.246

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162830BL Acquired: 8/23/2024 17:17:07 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009337	-.001354	-.001178	.0016794	-.002454	.0173944
Stddev	.0021057	.000981	.000340	.0014229	.002809	.0100102
%RSD	225.5236	72.39461	28.86311	84.72666	114.4530	57.54832
#1	-.000385	-.001526	-.000907	.0023402	-.004201	.0194450
#2	-.000176	-.002238	-.001067	.0026518	-.003948	.0262206
#3	.003362	-.000299	-.001559	.0000462	.000786	.0065177

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033446	.0000800	-.000054	.1518109	.0004260	.0002155
Stddev	.0019908	.0000069	.000054	.0145383	.0003566	.0002056
%RSD	59.52289	8.578840	101.4170	9.576598	83.71182	95.38229
#1	.0055374	.0000797	-.000006	.1677110	.0001877	.0000527
#2	.0016507	.0000733	-.000113	.1485249	.0002543	.0004465
#3	.0028457	.0000870	-.000042	.1391968	.0008359	.0001473

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009257	.0033484	.0024588	.0400887	.0001377	-.000452
Stddev	.0001233	.0056525	.0002003	.0238084	.0001884	.000575
%RSD	13.31538	168.8122	8.145361	59.38943	136.7725	127.1618
#1	.0010281	.0080150	.0022277	.0159056	.0002846	.000143
#2	.0007889	-.002937	.0025821	.0635039	.0002033	-.001005
#3	.0009601	.004967	.0025665	.0408566	-.000075	-.000495

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0654553	-.002580	.0136866	.1622827	-.000508	.0004324
Stddev	.0220551	.002838	.0001756	.0317991	.001370	.0004392
%RSD	33.69488	110.0056	1.283161	19.59491	269.6686	101.5534
#1	.0407411	-.005438	.0138798	.1293475	-.002090	.0005903
#2	.0724893	.000238	.0135366	.1928088	.000282	.0007709
#3	.0831354	-.002541	.0136434	.1646920	.000284	-.000064

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162830BL Acquired: 8/23/2024 17:17:07 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0080558	-.001989	.0040788	.0000233	F .0133389	-.004416
Stddev	.0006403	.001243	.0123633	.0002138	.0019493	.004659
%RSD	7.948051	62.46168	303.1148	917.8634	14.61391	105.4950
#1	.0086136	-.001690	-.010044	.0001072	.0111538	.000081
#2	.0081971	-.000924	.009331	.0001824	.0139637	-.004107
#3	.0073567	-.003355	.012949	-.000220	.0148993	-.009221

Elem	Sr4077
Units	ppm
Avg	.0001475
Stddev	.0002132
%RSD	144.5502
#1	-.000090
#2	.000322
#3	.000211

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4230.822	62481.30	7027.047	3441.676	6038.509
Stddev	7.420	839.23	41.614	41.328	23.145
%RSD	.1753906	1.343170	.5921930	1.200819	.3832907
#1	4239.323	61537.03	6983.132	3395.945	6064.570
#2	4225.643	62764.82	7032.112	3452.729	6030.607
#3	4227.501	63142.05	7065.896	3476.355	6020.349

Sample Name: PB162830BS Acquired: 8/23/2024 17:26:58 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8138546	2.233520	1.001885	2.038375	.8058513	2.020689
Stddev	.0031348	.002757	.005683	.006176	.0035748	.016041
%RSD	.3851846	.1234209	.5672340	.3029726	.4436024	.7938587
#1	.8113898	2.230378	.997710	2.038431	.8029557	2.002699
#2	.8127911	2.234648	.999588	2.032172	.8047512	2.025862
#3	.8173828	2.235533	1.008357	2.044523	.8098468	2.033505

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2033328	.2089302	.1950060	1.086991	.4111737	.1998958
Stddev	.0003955	.0008218	.0008014	.006840	.0004203	.0010159
%RSD	.1944950	.3933405	.4109717	.6292718	.1022133	.5082300
#1	.2028893	.2080643	.1944557	1.092005	.4111899	.1993280
#2	.2036489	.2090268	.1946368	1.089768	.4115856	.1992907
#3	.2034600	.2096994	.1959255	1.079199	.4107456	.2010687

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3109433	3.085574	.2039844	2.041608	.4994648	.0768436
Stddev	.0021932	.008625	.0004129	.008732	.0021188	.0006751
%RSD	.7053544	.2795357	.2024243	.4277260	.4242043	.8785243
#1	.3096743	3.084506	.2040410	2.040555	.4984223	.0769048
#2	.3096798	3.077532	.2035461	2.050819	.4980692	.0774859
#3	.3134759	3.094683	.2043661	2.033449	.5019028	.0761399

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.868880	.2930206	.2085241	9.758476	.2891862	.4048493
Stddev	.031582	.0016105	.0006450	.044063	.0013623	.0011478
%RSD	1.100858	.5496283	.3092966	.4515307	.4710783	.2835023
#1	2.833546	.2916345	.2085251	9.765556	.2876256	.4046827
#2	2.878731	.2947874	.2078787	9.711302	.2897950	.4037939
#3	2.894362	.2926401	.2091686	9.798569	.2901379	.4060712

Sample Name: PB162830BS Acquired: 8/23/2024 17:26:58 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6929266	.1965704	F .6617056	5.679853	F -.012760	.1781182
Stddev	.0029876	.0004422	.0095353	.029202	.003500	.0060136
%RSD	.4311604	.2249654	1.441016	.5141398	27.43276	3.376214
#1	.6904661	.1963048	.6643579	5.667092	-.015591	.1819659
#2	.6920627	.1970809	.6511249	5.659202	-.008846	.1812004
#3	.6962510	.1963255	.6696339	5.713264	-.013841	.1711883

Elem	Sr4077
Units	ppm
Avg	.1920728
Stddev	.0004457
%RSD	.2320314
#1	.1921754
#2	.1915848
#3	.1924583

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4488.789	58706.65	6696.375	3288.890	6477.703
Stddev	4.765	126.71	9.866	9.480	12.837
%RSD	.1061595	.2158314	.1473355	.2882352	.1981648
#1	4490.299	58573.53	6698.458	3279.388	6488.215
#2	4492.617	58720.62	6705.033	3298.348	6481.496
#3	4483.452	58825.79	6685.634	3288.935	6463.397

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162818BL Acquired: 8/23/2024 17:31:06 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001026	-.002975	-.001258	.0003148	-.003198	-.002844	.0032958
Stddev	.000883	.001721	.000535	.0018334	.001393	.025208	.0023119
%RSD	86.02804	57.86336	42.52432	582.3807	43.54838	886.4671	70.14881
#1	-.001112	-.001195	-.000668	.0015050	-.003740	-.000415	.0017815
#2	-.001862	-.004631	-.001711	-.001797	-.004238	-.029178	.0021488
#3	-.000103	-.003098	-.001395	.001236	-.001616	.021061	.0059569

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000837	-.000053	.0084333	.0006059	.0001012	-.000121	.0000635
Stddev	.0000320	.000047	.0110782	.0003101	.0002210	.000231	.0069440
%RSD	38.22408	89.53483	131.3623	51.17938	218.3145	190.1726	10930.58
#1	.0000542	-.000105	-.001889	.0006051	.0003425	-.000136	-.007099
#2	.0000790	-.000041	.020138	.0009164	.0000525	-.000344	.006766
#3	.0001177	-.000012	.007051	.0002962	-.000091	.000117	.000524

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009048	.0570946	.0002061	-.000953	.0077610	-.003784	.0005219
Stddev	.0003134	.0302017	.0001694	.000172	.0066083	.000655	.0001648
%RSD	34.63258	52.89768	82.21754	18.05520	85.14696	17.31189	31.58501
#1	.0012263	.0802882	.0002241	-.000851	.0017295	-.003080	.0007087
#2	.0008877	.0680518	.0003658	-.001152	.0067290	-.003898	.0004600
#3	.0006003	.0229437	.0000284	-.000856	.0148246	-.004375	.0003969

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0451308	.0004773	-.000028	.0078844	-.002515	-.013296	-.001394
Stddev	.0343953	.0009074	.000057	.0003608	.001901	.010862	.000935
%RSD	76.21254	190.0981	200.8987	4.575960	75.59210	81.69653	67.04743
#1	.0307986	-.000277	.000037	.0076916	-.002864	-.001130	-.002300
#2	.0843747	.000224	-.000066	.0083006	-.004217	-.022020	-.001449
#3	.0202192	.001485	-.000057	.0076609	-.000463	-.016738	-.000433

Sample Name: PB162818BL Acquired: 8/23/2024 17:31:06 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002111	-.004208	-.000121
Stddev	.000692	.006698	.000154
%RSD	32.76562	159.1783	127.1995
#1	-.001494	-.006216	-.000184
#2	-.001981	-.009672	-.000234
#3	-.002859	.003265	.000055

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4242.768	64754.76	6792.964	3536.403	6063.283
Stddev	13.786	105.93	12.250	16.088	12.983
%RSD	.3249177	.1635808	.1803287	.4549378	.2141176
#1	4227.474	64781.97	6797.430	3545.158	6056.204
#2	4246.591	64637.89	6802.354	3517.836	6055.378
#3	4254.238	64844.43	6779.108	3546.216	6078.266

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162818BS Acquired: 8/23/2024 17:35:30 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8199030	2.258329	.9988491	2.057619	.7994910	2.001495
Stddev	.0018139	.007503	.0016456	.004299	.0017754	.018777
%RSD	.2212293	.3322333	.1647504	.2089376	.2220632	.9381717
#1	.8192458	2.256136	.9978970	2.054094	.7974868	2.008012
#2	.8219538	2.266684	1.000749	2.062409	.8008664	1.980328
#3	.8185093	2.252167	.997901	2.056356	.8001199	2.016146

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1989458	.2113846	.1951552	1.091745	.3993386	.1993814
Stddev	.0026492	.0006500	.0002765	.007928	.0010906	.0004402
%RSD	1.331628	.3074815	.1416927	.7261621	.2730885	.2207684
#1	.1969225	.2116654	.1948784	1.082591	.3988107	.1988977
#2	.1979705	.2106414	.1954314	1.096345	.3986123	.1997584
#3	.2019444	.2118469	.1951558	1.096299	.4005926	.1994882

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3105345	2.836218	.2002314	2.009645	.4988440	.0738471
Stddev	.0002390	.013764	.0013128	.015383	.0009110	.0003421
%RSD	.0769683	.4852765	.6556349	.7654506	.1826130	.4632214
#1	.3103230	2.822938	.1987601	1.991914	.4978522	.0742266
#2	.3104868	2.850418	.2006507	2.019425	.4996434	.0735625
#3	.3107938	2.835297	.2012832	2.017597	.4990364	.0737521

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.692015	.2902826	.2001023	9.035729	.2919171	.3990803
Stddev	.063014	.0091193	.0001296	.052177	.0010955	.0002836
%RSD	2.340772	3.141526	.0647472	.5774492	.3752751	.0710681
#1	2.619253	.2858987	.2000117	8.977049	.2909368	.3987551
#2	2.728363	.3007660	.2000445	9.053239	.2930996	.3992764
#3	2.728429	.2841831	.2002507	9.076898	.2917149	.3992094

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162818BS Acquired: 8/23/2024 17:35:30 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6997822	.1916848	F .6020842	5.850899	F -.010702	.1791250
Stddev	.0008241	.0002453	.0080140	.017133	.000716	.0065338
%RSD	.1177728	.1279681	1.331035	.2928244	6.690587	3.647643
#1	.6990131	.1914965	.5929021	5.831116	-.010330	.1718434
#2	.7006521	.1919622	.6056799	5.860679	-.010249	.1810553
#3	.6996814	.1915957	.6076705	5.860902	-.011527	.1844761

Elem	Sr4077
Units	ppm
Avg	.1885398
Stddev	.0003127
%RSD	.1658338
#1	.1882514
#2	.1888721
#3	.1884958

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4388.419	61821.10	6597.336	3429.632	6271.279
Stddev	6.098	136.26	17.426	10.465	7.186
%RSD	.1389629	.2204177	.2641301	.3051423	.1145815
#1	4381.486	61977.76	6591.754	3436.665	6265.705
#2	4392.952	61730.02	6616.869	3417.605	6268.744
#3	4390.819	61755.53	6583.386	3434.625	6279.389

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162683TB Acquired: 8/23/2024 17:46:53 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002942	-.003555	.0000202	.0009980	-.004192	.0022044
Stddev	.002029	.001283	.0011025	.0031766	.001148	.0069711
%RSD	68.95011	36.10249	5459.588	318.3110	27.37958	316.2355
#1	-.004449	-.004286	.0009397	.0046552	-.005065	.0101311
#2	-.003742	-.002073	-.001202	-.000587	-.002892	-.002972
#3	-.000636	-.004305	.000323	-.001074	-.004621	-.000545

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065813	.0000421	-.000112	.0094656	.0018368	-.000013
Stddev	.0013309	.0000363	.000125	.0085188	.0002946	.000080
%RSD	20.22287	86.12496	111.9398	89.99774	16.03892	606.4957
#1	.0080653	.0000162	-.000003	.0064332	.0021750	-.000018
#2	.0061852	.0000266	-.000249	.0028779	.0016362	-.000090
#3	.0054933	.0000836	-.000083	.0190857	.0016991	.000069

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005558	.0170868	.0078357	.0314461	.0014884	-.000825
Stddev	.0001960	.0089333	.0002006	.0066001	.0003350	.000728
%RSD	35.26228	52.28184	2.560644	20.98870	22.50752	88.25078
#1	.0004332	.0179458	.0077529	.0355938	.0011626	-.000410
#2	.0004523	.0255596	.0076897	.0349094	.0018319	-.000400
#3	.0007818	.0077551	.0080645	.0238352	.0014707	-.001666

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 650.0811	.0021488	.0013732	.1876641	-.002946	.0003132
Stddev	5.1524	.0024204	.0004051	.0277527	.000393	.0000650
%RSD	.7925744	112.6375	29.49764	14.78849	13.33973	20.75395
#1	653.6440	.0000999	.0014611	.2196930	-.002654	.0003791
#2	652.4258	.0048195	.0009315	.1707428	-.002791	.0002492
#3	644.1733	.0015271	.0017272	.1725564	-.003392	.0003114

Sample Name: PB162683TB Acquired: 8/23/2024 17:46:53 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000433	-.002189	.0253299	.0046985	F .0237494	-.005051
Stddev	.000292	.000328	.0150970	.0015305	.0019887	.007591
%RSD	67.52767	14.98281	59.60162	32.57353	8.373666	150.2904
#1	-.000230	-.002132	.0079568	.0064482	.0220857	-.013757
#2	-.000768	-.002542	.0327701	.0036086	.0232105	-.001583
#3	-.000301	-.001894	.0352627	.0040387	.0259520	.000187

Elem	Sr4077
Units	ppm
Avg	-.000125
Stddev	.000110
%RSD	87.72374
#1	-.000039
#2	-.000088
#3	-.000249

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4197.838	56061.30	6983.976	3157.818	5603.908
Stddev	18.176	233.43	75.679	24.280	22.240
%RSD	.4329937	.4163750	1.083615	.7688834	.3968745
#1	4181.011	55793.34	7061.904	3130.622	5582.187
#2	4217.115	56220.45	6979.257	3165.517	5626.634
#3	4195.387	56170.13	6910.766	3177.315	5602.904

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCV09 Acquired: 8/23/2024 18:27:29 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV09 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.804532	5.325974	4.833936	4.919560	4.811030	9.608990	9.390856
Stddev	.008203	.053524	.005330	.005409	.003227	.022555	.052089
%RSD	.1707350	1.004967	.1102659	.1099470	.0670704	.2347314	.5546745
#1	4.813371	5.265054	4.833321	4.913840	4.807366	9.621393	9.447615
#2	4.803061	5.347413	4.828940	4.920247	4.812272	9.622621	9.345241
#3	4.797165	5.365455	4.839547	4.924592	4.813451	9.582955	9.379712

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2520515	2.410254	23.96051	.9636836	2.389499	1.203346	4.710051
Stddev	.0011720	.002059	.05085	.0022357	.001187	.001785	.041801
%RSD	.4649704	.0854458	.2122412	.2319940	.0496646	.1483516	.8874805
#1	.2507945	2.410287	24.01911	.9633193	2.390610	1.204980	4.744536
#2	.2531141	2.408178	23.93444	.9616525	2.388249	1.203617	4.663562
#3	.2522458	2.412297	23.92797	.9660791	2.389639	1.201440	4.722056

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.385120	23.61952	2.401671	1.223006	22.83641	2.337865	2.447714
Stddev	.012169	.13614	.002438	.001290	.25734	.016338	.002358
%RSD	.5101982	.5763770	.1015274	.1055060	1.126899	.6988568	.0963554
#1	2.398806	23.77224	2.402633	1.221746	23.10424	2.356156	2.445993
#2	2.375520	23.51090	2.398898	1.224325	22.59103	2.324716	2.450403
#3	2.381035	23.57543	2.403481	1.222947	22.81397	2.332724	2.446747

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.35061	5.023658	4.865561	4.879736	4.763932	4.638778	4.840637
Stddev	.17830	.031461	.001788	.005530	.013913	.033486	.002220
%RSD	.7635622	.6262572	.0367433	.1133221	.2920570	.7218718	.0458626
#1	23.55141	4.988848	4.865598	4.873481	4.779765	4.676848	4.838981
#2	23.21085	5.050062	4.867329	4.881752	4.758377	4.613882	4.839770
#3	23.28958	5.032063	4.863754	4.883975	4.753654	4.625604	4.843160

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCV09 Acquired: 8/23/2024 18:27:29 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV09 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.706990	4.534515	4.769662
Stddev	.016232	.034685	.047688
%RSD	.3448588	.7649126	.9998118
#1	4.699307	4.573938	4.753221
#2	4.696026	4.508685	4.823395
#3	4.725638	4.520923	4.732371

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4414.182	58540.18	6542.299	3230.128	6109.114
Stddev	20.577	262.33	5.631	14.120	16.116
%RSD	.4661580	.4481115	.0860763	.4371395	.2637955
#1	4403.170	58245.54	6544.803	3213.823	6099.383
#2	4401.456	58748.36	6535.850	3238.230	6100.243
#3	4437.922	58626.63	6546.245	3238.330	6127.716

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCB09 Acquired: 8/23/2024 18:31:40 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB09 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001073	-.001308	-.000013	.0002582	.0000702	.0001346	.0052150
Stddev	.001570	.001663	.000659	.0014561	.0008709	.0121077	.0007486
%RSD	146.3163	127.0831	5026.676	564.0615	1241.357	8998.118	14.35423
#1	.000602	-.003152	-.000723	.0006876	-.000879	-.012279	.0043529
#2	-.002511	.000079	.000102	-.001364	.000832	.011911	.0055924
#3	-.001309	-.000853	.000581	.001451	.000258	.000771	.0056998

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001026	-.000027	.0200125	.0002660	.0002498	-.000240	.0065528
Stddev	.0000097	.000049	.0180083	.0001902	.0001030	.000354	.0096371
%RSD	9.428291	180.3809	89.98531	71.49414	41.25099	147.6083	147.0675
#1	.0000993	.000026	.0321039	.0001023	.0003687	-.000647	.0038885
#2	.0000950	-.000037	-.000684	.0002212	.0001895	-.000066	.0172418
#3	.0001135	-.000070	.028618	.0004747	.0001911	-.000006	-.001472

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003013	.0239238	.0002684	-.001355	.0301889	.0015703	.0000904
Stddev	.0002561	.0023230	.0002846	.000135	.0248779	.0017997	.0003031
%RSD	84.99121	9.710082	106.0230	9.947985	82.40733	114.6060	335.3202
#1	.0001499	.0219660	.0004967	-.001494	.0024362	.0031200	-.000146
#2	.0005970	.0264907	-.000050	-.001226	.0504878	-.000404	.000432
#3	.0001571	.0233147	.000359	-.001344	.0376426	.001995	-.000015

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0168931	.0136513	.0003715	.0059479	-.002316	-.006623	-.002327
Stddev	.0783886	.0006877	.0001416	.0006369	.001441	.004905	.002269
%RSD	464.0279	5.037641	38.11839	10.70812	62.20756	74.06613	97.52816
#1	.0341655	.0142722	.0003963	.0052612	-.002083	-.011784	-.003836
#2	-.068691	.0137697	.0002191	.0060633	-.001006	-.006064	-.003427
#3	.085205	.0129121	.0004990	.0065192	-.003858	-.002021	.000283

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCB09 Acquired: 8/23/2024 18:31:40 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB09 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002970	-.004216	-.000145
Stddev	.001169	.003727	.000102
%RSD	39.37360	88.40869	70.21771
#1	-.001646	.000065	-.000262
#2	-.003402	-.005973	-.000088
#3	-.003862	-.006739	-.000084

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4369.335	60147.84	6805.399	3370.230	6272.530
Stddev	2.429	161.93	65.713	7.055	5.033
%RSD	.0555864	.2692122	.9656082	.2093429	.0802429
#1	4370.943	60146.10	6743.914	3363.754	6266.764
#2	4370.521	59986.78	6874.651	3369.188	6276.047
#3	4366.541	60310.62	6797.632	3377.749	6274.779

Sample Name: PB162725BL Acquired: 8/23/2024 18:36:02 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001459	-.004818	-.000104	-.000191	-.001387	-.000810	.0080847
Stddev	.002016	.000952	.000677	.004279	.000999	.010486	.0021715
%RSD	138.2026	19.74867	648.4252	2243.059	72.08707	1294.554	26.85941
#1	-.002253	-.005907	-.000881	-.005057	-.001181	-.012600	.0068681
#2	-.002957	-.004147	.000361	.002984	-.002473	.007473	.0067943
#3	.000833	-.004400	.000207	.001500	-.000506	.002697	.0105918

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000441	-.000080	.0137363	.0003652	.0002224	.0005114	-.000707
Stddev	.0000394	.000028	.0262652	.0002938	.0003436	.0001326	.002259
%RSD	89.44964	35.32952	191.2102	80.45178	154.5219	25.93504	319.2901
#1	.0000176	-.000073	.0370164	.0000260	-.000171	.0003631	-.003186
#2	.0000252	-.000111	-.014738	.0005382	.000467	.0005522	-.000171
#3	.0000894	-.000056	.018930	.0005315	.000371	.0006188	.001235

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006073	.0222122	-.000330	-.001007	.0387105	.0005839	.0005877
Stddev	.0004819	.0383769	.000150	.000224	.0052753	.0061519	.0002154
%RSD	79.34932	172.7738	45.39887	22.27688	13.62760	1053.614	36.65710
#1	.0007538	.0421320	-.000261	-.000759	.0337641	-.004161	.0005636
#2	.0000692	.0465334	-.000227	-.001066	.0381049	-.001622	.0008141
#3	.0009991	-.022029	-.000502	-.001196	.0442625	.007535	.0003853

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0526622	.0082664	.0001121	.0023291	.0003400	.0074895	.0007631
Stddev	.0317859	.0008933	.0002673	.0011773	.0008835	.0243099	.0026529
%RSD	60.35816	10.80636	238.4655	50.54622	259.8928	324.5876	347.6582
#1	.0718692	.0079933	-.000020	.0031632	.0002923	.0354967	-.001666
#2	.0701450	.0092644	.000420	.0028418	.0012464	-.008146	.003594
#3	.0159725	.0075416	-.000063	.0009824	-.000519	-.004882	.000361

Sample Name: PB162725BL Acquired: 8/23/2024 18:36:02 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.005109	-.007021	-.000206
Stddev	.001941	.004314	.000186
%RSD	37.99622	61.44936	90.41445
#1	-.006831	-.003560	-.000305
#2	-.003005	-.011855	.000009
#3	-.005490	-.005648	-.000322

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4549.938	59458.31	6660.891	3338.262	6601.604
Stddev	8.127	118.08	45.034	13.564	14.672
%RSD	.1786118	.1985867	.6760901	.4063170	.2222541
#1	4549.983	59498.57	6614.332	3327.499	6598.995
#2	4558.042	59550.98	6704.227	3353.497	6617.406
#3	4541.789	59325.36	6664.115	3333.791	6588.411

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: PB162725BS Acquired: 8/23/2024 18:40:24 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8287684	2.161145	1.012661	2.047677	.8142272	1.989373
Stddev	.0004532	.006711	.003503	.004067	.0011725	.032715
%RSD	.0546890	.3105337	.3459577	.1986295	.1440021	1.644509
#1	.8282505	2.160237	1.010477	2.051463	.8129525	1.955087
#2	.8290923	2.154935	1.016701	2.048192	.8144693	1.992780
#3	.8289625	2.168265	1.010803	2.043378	.8152597	2.020251

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1980026	.2062780	.1982643	1.073130	.4025840	.2030435
Stddev	.0019158	.0023648	.0004385	.026249	.0009133	.0003504
%RSD	.9675666	1.146406	.2211882	2.446001	.2268696	.1725867
#1	.1968228	.2037683	.1977875	1.077403	.4015295	.2026521
#2	.1969719	.2066012	.1986504	1.045007	.4031244	.2033281
#3	.2002131	.2084646	.1983550	1.096980	.4030982	.2031503

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3142423	2.920927	.2013123	1.985590	.5096234	.0742181
Stddev	.0003316	.009152	.0003322	.001002	.0015770	.0001139
%RSD	.1055255	.3133185	.1649981	.0504743	.3094476	.1534553
#1	.3138660	2.931274	.2011936	1.984777	.5090955	.0742119
#2	.3143691	2.917615	.2010557	1.985283	.5113966	.0743350
#3	.3144917	2.913893	.2016875	1.986710	.5083780	.0741074

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.795372	.2965049	.2002086	9.324263	.2904209	.4052976
Stddev	.018542	.0060307	.0001749	.055091	.0026007	.0003526
%RSD	.6633149	2.033932	.0873666	.5908373	.8955063	.0869868
#1	2.774295	.2959359	.2000176	9.355958	.2878299	.4049232
#2	2.802655	.2907788	.2002469	9.356182	.2904015	.4056232
#3	2.809168	.3027999	.2003611	9.260649	.2930313	.4053463

Sample Name: PB162725BS Acquired: 8/23/2024 18:40:24 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7127246	.1934876	F .6347622	5.992670	F -.011644	.1838573
Stddev	.0001812	.0020818	.0061412	.002083	.001402	.0023798
%RSD	.0254269	1.075927	.9674753	.0347560	12.03866	1.294385
#1	.7127700	.1953682	.6361760	5.990276	-.010235	.1816063
#2	.7125250	.1912506	.6280375	5.994067	-.013038	.1863478
#3	.7128788	.1938440	.6400732	5.993667	-.011660	.1836179

Elem	Sr4077
Units	ppm
Avg	.1884982
Stddev	.0010300
%RSD	.5464367
#1	.1874731
#2	.1884884
#3	.1895331

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4267.386	60048.27	6625.151	3356.621	6034.045
Stddev	2.285	138.42	57.158	14.272	9.086
%RSD	.0535407	.2305118	.8627500	.4251985	.1505851
#1	4268.775	60042.27	6685.068	3355.741	6042.921
#2	4264.749	59912.95	6619.163	3342.809	6024.762
#3	4268.634	60189.59	6571.223	3371.313	6034.452

Sample Name: PB162806TB Acquired: 8/23/2024 18:44:33 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000462	-.002666	-.000961	.0023928	-.002786	-.001355
Stddev	.003223	.001037	.000332	.0019982	.001087	.010361
%RSD	697.6912	38.89905	34.55645	83.50937	39.02291	764.5283
#1	-.004152	-.001713	-.001088	.0046238	-.002100	-.012575
#2	.000967	-.002515	-.000584	.0017865	-.002219	.007853
#3	.001799	-.003770	-.001211	.0007679	-.004040	.000656

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060336	.0000262	-.000115	.0036072	.0013625	.0003016
Stddev	.0002436	.0000312	.000100	.0070203	.0002528	.0000566
%RSD	4.037476	119.0054	86.80672	194.6174	18.55814	18.77996
#1	.0062989	-.000010	-.000221	-.004499	.0011132	.0002466
#2	.0059818	.000041	-.000101	.007694	.0016188	.0002985
#3	.0058201	.000047	-.000023	.007626	.0013554	.0003598

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002916	.0164124	.0013266	.0351805	.0010477	-.000903
Stddev	.0003229	.0040437	.0004812	.0168319	.0004230	.000078
%RSD	110.7368	24.63801	36.26875	47.84426	40.37512	8.633095
#1	.0002417	.0188347	.0018345	.0401506	.0015154	-.000971
#2	-.000003	.0186582	.0012677	.0489677	.0009359	-.000818
#3	.000636	.0117442	.0008777	.0164233	.0006918	-.000921

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 642.8614	-.000101	.0032823	.0895291	.0025219	.0001318
Stddev	6.9226	.003908	.0000845	.0356155	.0004919	.0002639
%RSD	1.076847	3855.203	2.575892	39.78092	19.50572	200.2312
#1	634.9962	-.003894	.0032867	.0670905	.0022240	.0002011
#2	645.5585	-.000322	.0031957	.0709014	.0030897	-.000160
#3	648.0296	.003912	.0033646	.1305954	.0022520	.000354

Sample Name: PB162806TB Acquired: 8/23/2024 18:44:33 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000910	-.000402	.0115409	-.000012	F .0116203	-.003838
Stddev	.000267	.000699	.0123171	.000897	.0027244	.001901
%RSD	29.34881	173.8004	106.7250	7755.152	23.44511	49.52445
#1	-.001207	.000254	.0253566	-.001033	.0104706	-.005510
#2	-.000689	-.001137	.0017082	.000648	.0147310	-.001771
#3	-.000834	-.000323	.0075580	.000351	.0096592	-.004232

Elem	Sr4077
Units	ppm
Avg	-.000147
Stddev	.000049
%RSD	33.08015
#1	-.000130
#2	-.000110
#3	-.000202

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4261.454	58309.93	7124.759	3278.238	5667.982
Stddev	10.266	245.32	35.368	7.411	20.019
%RSD	.2409113	.4207235	.4964113	.2260757	.3531949
#1	4273.302	58524.33	7095.223	3284.535	5688.424
#2	4255.882	58363.08	7163.953	3280.109	5667.109
#3	4255.179	58042.39	7115.102	3270.071	5648.415

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3573-12 Acquired: 8/23/2024 18:49:05 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002933	-.002508	.0026949	-.001572	-.002259	.0424197	.0034261
Stddev	.002201	.001295	.0022021	.000668	.000889	.0140299	.0008927
%RSD	75.05465	51.62608	81.71525	42.47832	39.34699	33.07391	26.05603
#1	-.003977	-.001912	.0032534	-.000837	-.001604	.0559377	.0033920
#2	-.004418	-.001618	.0002673	-.002142	-.003271	.0433928	.0043354
#3	-.000404	-.003994	.0045640	-.001735	-.001902	.0279286	.0025510

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000720	-.000072	.1582175	.0011007	.0002038	.0015775	.0599486
Stddev	.0000520	.000073	.0008834	.0003154	.0001092	.0003318	.0061883
%RSD	72.32086	101.1276	.5583327	28.65646	53.57859	21.03384	10.32266
#1	.0001206	-.000041	.1581805	.0007456	.0000839	.0019366	.0606744
#2	.0000171	-.000156	.1573532	.0013483	.0002976	.0015137	.0657420
#3	.0000782	-.000020	.1591188	.0012081	.0002300	.0012822	.0534295

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0063225	.0502146	.0006065	-.000975	-.135161	-.001342	.0081933
Stddev	.0004992	.0272983	.0000968	.000588	.005385	.004871	.0000789
%RSD	7.895085	54.36326	15.96168	60.24958	3.984395	363.0273	.9627292
#1	.0061728	.0188918	.0005117	-.001259	-.130578	.001306	.0082167
#2	.0068794	.0689350	.0007052	-.000300	-.133812	-.006964	.0081053
#3	.0059153	.0628171	.0006026	-.001367	-.141092	.001632	.0082578

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.107192	.0021384	.0002306	-.000486	-.000204	.0375986	.0043917
Stddev	.040237	.0005481	.0000800	.000369	.001174	.0108196	.0015159
%RSD	37.53759	25.63087	34.70610	75.84875	574.8958	28.77649	34.51738
#1	-.094129	.0024373	.0003229	-.000536	-.001524	.0424204	.0031217
#2	-.075109	.0015059	.0001871	-.000095	.000187	.0451689	.0039837
#3	-.152338	.0024722	.0001817	-.000827	.000724	.0252064	.0060700

Sample Name: P3573-12 Acquired: 8/23/2024 18:49:05 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0547982	-.007295	.0001231
Stddev	.0019713	.000623	.0000928
%RSD	3.597412	8.538600	75.41760
#1	.0526227	-.007039	.0002061
#2	.0564660	-.006840	.0000229
#3	.0553059	-.008005	.0001403

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4749.262	65598.22	7274.476	3654.106	6934.462
Stddev	17.846	65.40	45.997	21.530	33.033
%RSD	.3757537	.0996955	.6323014	.5892106	.4763544
#1	4769.688	65530.58	7327.374	3630.822	6971.173
#2	4741.409	65661.12	7243.896	3673.294	6925.075
#3	4736.690	65602.96	7252.159	3658.202	6907.140

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3475-05 Acquired: 8/23/2024 18:53:27 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0124993	-.001535	.2082322	.0023183	-.001570	37.46530	1.072498
Stddev	.0019405	.001692	.0009360	.0019296	.001760	.06495	.001947
%RSD	15.52497	110.2550	.4495020	83.23310	112.0739	.1733519	.1815553
#1	.0120437	.000050	.2091103	.0002316	-.003325	37.45907	1.074543
#2	.0108270	-.001337	.2072474	.0026851	.000195	37.53313	1.072284
#3	.0146270	-.003318	.2083389	.0040382	-.001582	37.40369	1.070666

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031791	.0030252	25.00669	.0833700	.0083980	.0693323	19.81008
Stddev	.0000181	.0001465	.07774	.0003167	.0002822	.0005499	.04710
%RSD	.5678386	4.844038	.3108796	.3798926	3.359781	.7931311	.2377784
#1	.0031795	.0029362	24.98542	.0832841	.0080876	.0690462	19.86213
#2	.0031608	.0029450	25.09285	.0831052	.0084673	.0689845	19.79771
#3	.0031969	.0031943	24.94180	.0837208	.0086390	.0699663	19.77039

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7766357	5.158194	.0459140	.3696061	3.493940	.0475655	.3387148
Stddev	.0012304	.032680	.0003111	.0010588	.020624	.0058570	.0009284
%RSD	.1584309	.6335556	.6774736	.2864760	.5902907	12.31360	.2740914
#1	.7768649	5.148828	.0455714	.3702842	3.498006	.0440914	.3383720
#2	.7777353	5.194535	.0459920	.3701480	3.512228	.0442772	.3380066
#3	.7753067	5.131220	.0461786	.3683860	3.471585	.0543277	.3397659

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.385096	.0046566	.0019473	.0542845	.3469428	4.006505	1.077536
Stddev	.035742	.0002390	.0000940	.0007186	.0019221	.021183	.006537
%RSD	1.055869	5.132689	4.828352	1.323803	.5540063	.5287095	.6066795
#1	3.420740	.0043836	.0020269	.0542901	.3488164	4.014416	1.073140
#2	3.385292	.0048283	.0018436	.0535631	.3470365	4.022593	1.074418
#3	3.349257	.0047579	.0019714	.0550004	.3449756	3.982505	1.085048

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3475-05 Acquired: 8/23/2024 18:53:27 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	3.658648	.0149953	.1865499
Stddev	.022655	.0020814	.0001525
%RSD	.6192053	13.88024	.0817425
#1	3.637715	.0139018	.1866630
#2	3.655528	.0173955	.1866102
#3	3.682701	.0136885	.1863765

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4917.330	64858.70	7676.601	3654.784	6684.042
Stddev	13.081	90.84	29.285	6.551	25.667
%RSD	.2660139	.1400635	.3814877	.1792525	.3839975
#1	4928.382	64904.46	7692.582	3659.983	6711.510
#2	4920.721	64754.07	7642.802	3656.944	6679.948
#3	4902.888	64917.56	7694.419	3647.426	6660.669

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3475-05DUP Acquired: 8/23/2024 18:57:39 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0140595	-.000461	.2099281	.0022005	-.000110	38.14652	1.062390
Stddev	.0045446	.002813	.0009021	.0023544	.000541	.04636	.005027
%RSD	32.32392	609.9986	.4297324	106.9936	489.3243	.1215309	.4731548
#1	.0095009	.000994	.2105729	.0031814	.000341	38.10539	1.059038
#2	.0140876	.001326	.2103142	.0039060	.000037	38.13741	1.059961
#3	.0185900	-.003704	.2088972	-.000486	-.000709	38.19675	1.068170

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032787	.0031897	25.50205	.0837328	.0084926	.0719646	19.26345
Stddev	.0000066	.0000279	.03948	.0009763	.0000666	.0001222	.37497
%RSD	.2027340	.8742673	.1548297	1.165949	.7839179	.1697449	1.946529
#1	.0032843	.0032172	25.48092	.0848071	.0085038	.0719832	19.69642
#2	.0032714	.0031903	25.47763	.0834918	.0085528	.0720763	19.04831
#3	.0032806	.0031614	25.54760	.0828997	.0084211	.0718341	19.04562

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7770792	5.171842	.0470632	.3725987	3.419569	.0464316	.3781442
Stddev	.0021135	.034143	.0000582	.0049612	.073731	.0023289	.0047015
%RSD	.2719823	.6601657	.1236784	1.331512	2.156135	5.015754	1.243297
#1	.7762057	5.183778	.0471073	.3783269	3.503956	.0473141	.3832974
#2	.7755424	5.133334	.0470852	.3698010	3.367613	.0481903	.3740887
#3	.7794894	5.198415	.0469972	.3696682	3.387137	.0437905	.3770465

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.396223	.0074804	.0049380	.0584442	.3522450	3.855860	1.115145
Stddev	.029663	.0003239	.0003369	.0003655	.0017052	.091933	.000353
%RSD	.8734207	4.330369	6.823119	.6253177	.4840974	2.384229	.0316235
#1	3.430450	.0077964	.0051720	.0588591	.3503584	3.960325	1.115515
#2	3.380248	.0071491	.0045518	.0583036	.3527002	3.787288	1.114813
#3	3.377970	.0074959	.0050903	.0581700	.3536764	3.819968	1.115106

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3475-05DUP Acquired: 8/23/2024 18:57:39 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	3.779040	.0172630	.1866127
Stddev	.009574	.0021181	.0008970
%RSD	.2533415	12.26982	.4806803
#1	3.789201	.0180294	.1857103
#2	3.770188	.0188912	.1866237
#3	3.777730	.0148683	.1875042

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4786.606	64678.54	7434.785	3609.295	6468.032
Stddev	11.283	931.53	45.592	51.682	8.680
%RSD	.2357116	1.440253	.6132302	1.431902	.1342057
#1	4785.917	63603.75	7485.143	3550.664	6471.707
#2	4798.218	65178.82	7422.901	3648.245	6474.270
#3	4775.684	65253.05	7396.312	3628.974	6458.119

Sample Name: P3475-05LX5 Acquired: 8/23/2024 19:01:50 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017543	-.002372	.0423251	.0011332	-.001457	7.914759	.2268672
Stddev	.0019745	.000459	.0008078	.0017648	.001773	.045059	.0019233
%RSD	112.5498	19.37013	1.908557	155.7330	121.6814	.5692973	.8477575
#1	-.000156	-.002552	.0431455	.0022262	-.001935	7.864684	.2255751
#2	.001633	-.001850	.0422993	-.000903	-.002942	7.927565	.2259491
#3	.003787	-.002714	.0415306	.002076	.000506	7.952028	.2290775

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007018	.0005034	5.192213	.0168306	.0019501	.0152544	3.831744
Stddev	.0000267	.0000851	.041078	.0007508	.0001332	.0001795	.021020
%RSD	3.803534	16.90864	.7911528	4.460621	6.829547	1.176906	.5485704
#1	.0007115	.0004098	5.150832	.0164625	.0017967	.0153914	3.832335
#2	.0006716	.0005242	5.192825	.0176944	.0020169	.0150512	3.852463
#3	.0007223	.0005762	5.232982	.0163349	.0020365	.0153206	3.810435

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1617232	1.110119	.0090696	.0747223	.7308838	.0132349	.0645328
Stddev	.0010090	.008268	.0001293	.0003386	.0165896	.0043344	.0006857
%RSD	.6238760	.7448254	1.425578	.4531316	2.269801	32.75013	1.062586
#1	.1610308	1.117585	.0091374	.0750788	.7123982	.0098426	.0652020
#2	.1612581	1.111539	.0091509	.0744050	.7357758	.0117441	.0645647
#3	.1628809	1.101232	.0089205	.0746832	.7444773	.0181180	.0638317

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7143678	.0016575	.0014784	.0133956	.0729100	.7673849	.2159021
Stddev	.0246846	.0005439	.0001197	.0003170	.0009892	.0087265	.0017453
%RSD	3.455445	32.81738	8.094247	2.366267	1.356673	1.137171	.8083708
#1	.7061069	.0011088	.0014901	.0133090	.0738445	.7726856	.2178912
#2	.6948730	.0021965	.0013534	.0137469	.0718740	.7721559	.2146272
#3	.7421233	.0016671	.0015918	.0131310	.0730113	.7573130	.2151878

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3475-05LX5 Acquired: 8/23/2024 19:01:50 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.7141770	.0026333	.0390778
Stddev	.0007227	.0007428	.0003804
%RSD	.1011890	28.21002	.9733278
#1	.7148375	.0034310	.0388297
#2	.7134051	.0025074	.0388881
#3	.7142883	.0019614	.0395157

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4571.313	63109.78	6992.574	3484.884	6498.571
Stddev	18.427	85.65	40.940	16.733	30.428
%RSD	.4030939	.1357181	.5854785	.4801594	.4682269
#1	4552.819	63038.10	7020.977	3465.703	6465.880
#2	4571.450	63086.60	7011.099	3496.488	6503.765
#3	4589.671	63204.63	6945.645	3492.462	6526.068

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3475-05MS Acquired: 8/23/2024 19:06:07 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8719568	2.320171	1.267031	2.148501	.8133168	39.49676	1.228273
Stddev	.0013121	.023519	.008251	.009551	.0040360	.10102	.007331
%RSD	.1504803	1.013688	.6511829	.4445426	.4962377	.2557591	.5968365
#1	.8707217	2.302505	1.257538	2.137743	.8092202	39.38144	1.220725
#2	.8718143	2.311142	1.272468	2.151780	.8172893	39.56961	1.228731
#3	.8733343	2.346868	1.271088	2.155981	.8134409	39.53921	1.235365

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2097924	.2121236	26.31455	.4707112	.2211168	.3880621	20.23019
Stddev	.0027114	.0009028	.08881	.0015328	.0015611	.0021801	.19559
%RSD	1.292402	.4256153	.3374919	.3256361	.7059900	.5617849	.9668225
#1	.2080177	.2111078	26.21201	.4714323	.2193497	.3858142	20.28325
#2	.2129135	.2128343	26.36491	.4689509	.2223085	.3901673	20.01354
#3	.2084462	.2124288	26.36674	.4717505	.2216921	.3882047	20.39377

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9620338	7.072550	.5834732	.4233586	5.755019	.3406838	.5980826
Stddev	.0037570	.049521	.0031933	.0006777	.065356	.0063860	.0015529
%RSD	.3905310	.7001865	.5472937	.1600713	1.135633	1.874470	.2596533
#1	.9580147	7.016243	.5798754	.4232935	5.770403	.3339184	.5969292
#2	.9626289	7.109331	.5859715	.4227158	5.683343	.3466068	.5974703
#3	.9654578	7.092077	.5845726	.4240664	5.811311	.3415261	.5998484

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.23661	.2855124	.4040381	.7960133	.5351756	4.167944	7.642828
Stddev	.07333	.0009646	.0020259	.0040958	.0025478	.055697	.045255
%RSD	.5992983	.3378479	.5014236	.5145416	.4760762	1.336314	.5921194
#1	12.26420	.2845715	.4018853	.7914587	.5323722	4.170211	7.591526
#2	12.15348	.2864990	.4059072	.7993940	.5373502	4.111148	7.677085
#3	12.29215	.2854669	.4043219	.7971872	.5358042	4.222473	7.659872

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3475-05MS Acquired: 8/23/2024 19:06:07 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.041379	.1905993	.3715119
Stddev	.025288	.0047727	.0014488
%RSD	.6257257	2.504066	.3899615
#1	4.013876	.1940181	.3699480
#2	4.063627	.1926333	.3717795
#3	4.046632	.1851465	.3728083

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4539.747	69032.32	7320.871	3768.043	6049.347
Stddev	19.473	275.63	69.783	14.789	33.620
%RSD	.4289441	.3992696	.9532116	.3924810	.5557638
#1	4562.222	69132.59	7379.095	3778.633	6088.131
#2	4527.916	69243.77	7243.518	3774.351	6031.427
#3	4529.103	68720.59	7340.001	3751.147	6028.484

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3475-05MSD Acquired: 8/23/2024 19:10:11 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8972500	2.397590	1.306943	2.207350	.8410531	39.18642	1.251624
Stddev	.0025409	.035139	.003310	.006424	.0041295	.07594	.004525
%RSD	.2831913	1.465589	.2532312	.2910095	.4909886	.1937827	.3615283
#1	.8951499	2.380402	1.310695	2.201248	.8458190	39.10003	1.246997
#2	.8965256	2.374353	1.305696	2.206747	.8385380	39.24261	1.256039
#3	.9000744	2.438014	1.304439	2.214053	.8388024	39.21661	1.251835

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2100688	.2193072	25.74767	.4931331	.2287681	.3955485	21.82563
Stddev	.0008662	.0003312	.06772	.0006693	.0002617	.0006122	.12547
%RSD	.4123458	.1510249	.2629973	.1357202	.1144166	.1547704	.5748723
#1	.2109808	.2195190	25.67444	.4925984	.2287370	.3960959	21.68092
#2	.2099683	.2189255	25.80802	.4938837	.2290440	.3948875	21.89189
#3	.2092572	.2194770	25.76056	.4929173	.2285233	.3956621	21.90408

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9683560	7.096592	.6025429	.4340802	6.086741	.3429065	.5391537
Stddev	.0018100	.043368	.0008300	.0005308	.030803	.0038592	.0006889
%RSD	.1869177	.6111060	.1377443	.1222778	.5060609	1.125449	.1277697
#1	.9671070	7.112478	.6031937	.4338736	6.051582	.3385562	.5391314
#2	.9704318	7.129777	.6016083	.4346832	6.108978	.3459180	.5398534
#3	.9675293	7.047522	.6028269	.4336837	6.099664	.3442454	.5384762

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.12995	.2826439	.4194820	.8204098	.5411938	4.544150	7.726097
Stddev	.11855	.0008577	.0003773	.0010112	.0037553	.034133	.016320
%RSD	.9028699	.3034704	.0899348	.1232597	.6938981	.7511308	.2112256
#1	12.99661	.2834979	.4191251	.8204835	.5373097	4.510670	7.736073
#2	13.16982	.2826513	.4198767	.8193637	.5448055	4.578900	7.707264
#3	13.22343	.2817825	.4194442	.8213822	.5414663	4.542882	7.734955

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3475-05MSD Acquired: 8/23/2024 19:10:11 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	3.896024	.1910463	.3780745
Stddev	.010972	.0058857	.0008523
%RSD	.2816104	3.080749	.2254346
#1	3.898199	.1864359	.3770905
#2	3.884128	.1890273	.3785831
#3	3.905746	.1976758	.3785498

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4604.581	66341.02	7535.912	3665.075	6149.515
Stddev	2.066	176.88	18.905	15.428	9.064
%RSD	.0448601	.2666185	.2508662	.4209505	.1473989
#1	4604.971	66542.60	7522.924	3681.391	6148.594
#2	4606.424	66211.79	7527.211	3650.723	6159.005
#3	4602.348	66268.66	7557.601	3663.112	6140.947

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3475-05A Acquired: 8/23/2024 19:14:15 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8455510	2.247090	1.240854	2.085749	.7942398	40.02253	1.239712
Stddev	.0041984	.026265	.001290	.003903	.0007961	.04613	.001797
%RSD	.4965251	1.168857	.1039221	.1871457	.1002286	.1152498	.1449155
#1	.8409058	2.216928	1.241280	2.082261	.7933439	40.05286	1.239417
#2	.8490747	2.259424	1.241877	2.089965	.7945095	40.04528	1.241637
#3	.8466726	2.264918	1.239405	2.085020	.7948659	39.96945	1.238081

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2078942	.2068190	26.01411	.4642882	.2155743	.3779615	20.51012
Stddev	.0022400	.0002426	.06472	.0002304	.0001029	.0007677	.11573
%RSD	1.077474	.1173021	.2487953	.0496334	.0477261	.2031152	.5642493
#1	.2103710	.2070823	26.00196	.4640659	.2156099	.3779639	20.37651
#2	.2073014	.2066044	26.08404	.4645260	.2156548	.3787279	20.57482
#3	.2060102	.2067703	25.95632	.4642726	.2154584	.3771926	20.57902

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9683781	7.085911	.5698899	.4271420	5.782023	.3353534	.5469140
Stddev	.0037971	.035052	.0001717	.0010957	.029848	.0041502	.0042392
%RSD	.3921075	.4946674	.0301336	.2565157	.5162251	1.237568	.7751145
#1	.9721427	7.123679	.5698578	.4281472	5.748403	.3392552	.5518055
#2	.9684422	7.079628	.5700754	.4259740	5.792261	.3358123	.5443094
#3	.9645493	7.054425	.5697365	.4273048	5.805406	.3309928	.5446269

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.14346	.2796565	.3940020	.7786173	.5351002	4.275170	7.440483
Stddev	.15090	.0013939	.0005056	.0020405	.0018394	.012360	.005429
%RSD	1.242665	.4984416	.1283213	.2620621	.3437519	.2891054	.0729602
#1	11.97084	.2811113	.3936311	.7762683	.5334870	4.266246	7.434305
#2	12.20918	.2783327	.3937970	.7799502	.5347102	4.269986	7.442653
#3	12.25036	.2795255	.3945779	.7796335	.5371033	4.289277	7.444491

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3475-05A Acquired: 8/23/2024 19:14:15 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.003348	.1956442	.3686342
Stddev	.011087	.0022638	.0008208
%RSD	.2769418	1.157081	.2226636
#1	3.992066	.1961873	.3693351
#2	4.003750	.1975870	.3688362
#3	4.014229	.1931583	.3677312

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4518.032	66924.77	7109.957	3691.375	6007.049
Stddev	11.352	154.65	73.319	21.439	11.904
%RSD	.2512690	.2310758	1.031217	.5807885	.1981621
#1	4525.910	66801.14	7025.436	3671.679	6014.866
#2	4505.020	67098.17	7147.987	3714.211	5993.349
#3	4523.168	66874.99	7156.447	3688.237	6012.932

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCV10 Acquired: 8/23/2024 19:23:08 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV10 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.934340	5.481142	4.966081	5.067363	4.917376	9.741657	9.558177
Stddev	.006787	.039766	.004788	.007801	.006698	.015330	.013361
%RSD	.1375360	.7254997	.0964089	.1539503	.1362125	.1573620	.1397908
#1	4.934790	5.494616	4.967636	5.062193	4.910490	9.755903	9.572712
#2	4.927339	5.512420	4.960709	5.076336	4.923869	9.743634	9.555391
#3	4.940890	5.436390	4.969898	5.063559	4.917769	9.725435	9.546428

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2540984	2.477183	24.36283	.9791515	2.442585	1.228034	4.840579
Stddev	.0016615	.003395	.07294	.0027190	.003873	.001605	.030695
%RSD	.6538880	.1370664	.2994110	.2776907	.1585755	.1307228	.6341203
#1	.2560118	2.476021	24.44606	.9779332	2.441519	1.226201	4.811888
#2	.2530198	2.474522	24.30999	.9822667	2.439357	1.228709	4.872947
#3	.2532636	2.481007	24.33244	.9772548	2.446880	1.229191	4.836902

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.422861	23.88677	2.463937	1.252035	23.33794	2.364180	2.495618
Stddev	.002140	.04828	.003194	.002095	.12242	.006664	.011241
%RSD	.0883282	.2021168	.1296372	.1672998	.5245559	.2818705	.4504109
#1	2.424063	23.83135	2.462901	1.254417	23.20862	2.371332	2.508522
#2	2.420390	23.91972	2.461388	1.251208	23.45205	2.358146	2.490371
#3	2.424130	23.90924	2.467520	1.250481	23.35314	2.363061	2.487960

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.98729	5.057873	4.940637	5.009197	4.843002	4.797155	5.012364
Stddev	.09837	.022822	.005796	.005278	.012136	.044875	.005733
%RSD	.4100926	.4512242	.1173037	.1053609	.2505970	.9354537	.1143704
#1	23.89381	5.081486	4.940679	5.004728	4.853791	4.752022	5.007443
#2	24.08991	5.035934	4.946412	5.007845	4.829862	4.841768	5.010992
#3	23.97814	5.056200	4.934821	5.015020	4.845352	4.797675	5.018659

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCV10 Acquired: 8/23/2024 19:23:08 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV10 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.877982	4.545627	4.758577
Stddev	.002636	.000726	.045604
%RSD	.0540375	.0159622	.9583453
#1	4.876433	4.545964	4.707000
#2	4.876488	4.544794	4.793561
#3	4.881026	4.546123	4.775170

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4434.363	58863.34	6674.944	3245.268	6095.158
Stddev	15.271	62.88	30.484	14.058	15.583
%RSD	.3443842	.1068230	.4567004	.4331846	.2556616
#1	4419.149	58927.50	6650.451	3230.043	6077.456
#2	4434.249	58860.69	6709.085	3257.756	6101.215
#3	4449.690	58801.82	6665.296	3248.005	6106.804

Sample Name: CCB10 Acquired: 8/23/2024 19:27:19 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB10 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000950	-.002042	.0009308	.0000022	-.000781	-.008689
Stddev	.001921	.001362	.0015892	.0016998	.000569	.006665
%RSD	202.2939	66.70643	170.7394	77163.92	72.89271	76.70481
#1	-.000124	-.002095	-.000865	-.000757	-.001380	-.002656
#2	.000420	-.000655	.001503	.001949	-.000717	-.007568
#3	-.003145	-.003378	.002155	-.001186	-.000246	-.015843

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0075137	.0000941	-.000039	.0095405	.0004717	.0002840
Stddev	.0026625	.0000503	.000119	.0142017	.0000308	.0001561
%RSD	35.43495	53.41574	308.1345	148.8581	6.521940	54.96788
#1	.0068018	.0001462	-.000026	-.000592	.0004925	.0001073
#2	.0052795	.0000458	.000074	.025773	.0004862	.0003413
#3	.0104598	.0000905	-.000164	.003440	.0004363	.0004034

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002097	-.002590	.0001575	-.000370	.0001240	-.001318
Stddev	.0004053	.014611	.0004650	.014013	.0001703	.000616
%RSD	193.3037	564.0467	295.2817	3782.713	137.3300	46.74504
#1	.0006110	.002339	-.000002	.000200	-.000043	-.000768
#2	.0002175	.008918	-.000207	.013348	.000118	-.001202
#3	-.000199	-.019028	.000681	-.014660	.000297	-.001984

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0729967	-.001866	.0003241	.0610895	.0102175	.0004892
Stddev	.0357813	.001988	.0004607	.0355157	.0017453	.0000488
%RSD	49.01764	106.5573	142.1346	58.13709	17.08094	9.979560
#1	.0322772	-.002043	-.000061	.0211159	.0082224	.0004560
#2	.0994180	.000205	.000199	.0890103	.0109689	.0005453
#3	.0872950	-.003759	.000834	.0731424	.0114613	.0004665

Sample Name: CCB10 Acquired: 8/23/2024 19:27:19 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB10 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054771	.0000465	-.009463	-.000028	-.004359	F -.011258
Stddev	.0004881	.0015369	.005723	.001373	.001364	.005833
%RSD	8.911772	3306.249	60.48294	4971.553	31.29859	51.81523
#1	.0059632	-.001366	-.015857	-.001559	-.005554	-.009649
#2	.0049870	-.000178	-.007712	.001094	-.002873	-.017727
#3	.0054812	.001683	-.004819	.000383	-.004650	-.006398

Elem	Sr4077
Units	ppm
Avg	-.000022
Stddev	.000083
%RSD	375.5820
#1	-.000117
#2	.000030
#3	.000021

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4474.455	59328.66	6633.113	3317.196	6464.291
Stddev	23.325	140.74	32.039	12.353	20.818
%RSD	.5212819	.2372232	.4830151	.3724003	.3220531
#1	4450.043	59423.17	6612.142	3328.371	6442.577
#2	4476.808	59166.91	6617.205	3303.931	6466.217
#3	4496.514	59395.90	6669.993	3319.286	6484.080

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3526-01 Acquired: 8/23/2024 19:31:41 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0653470	.0062551	5.150628	-.026287	.0107458	205.4057
Stddev	.0008018	.0017388	.008198	.000947	.0018363	.4203
%RSD	1.227043	27.79747	.1591625	3.602980	17.08856	.2046345
#1	.0645790	.0049738	5.152935	-.026945	.0099255	204.9264
#2	.0652832	.0082344	5.141523	-.025202	.0094628	205.7113
#3	.0661789	.0055571	5.157424	-.026716	.0128493	205.5794

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.681872	.0135140	.0048459	213.8041	.3330320	.2298541
Stddev	.010140	.0000556	.0003745	.6540	.0008864	.0004376
%RSD	.6029223	.4113847	7.728221	.3059068	.2661490	.1904046
#1	1.674315	.0134863	.0048206	213.0735	.3320134	.2302849
#2	1.693396	.0134776	.0044847	214.3349	.3336281	.2294099
#3	1.677905	.0135780	.0052324	214.0039	.3334544	.2298676

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8293023	369.6788	6.953014	57.74824	.3345974	.0091765
Stddev	.0028491	.6992	.035027	.32649	.0010167	.0004692
%RSD	.3435603	.1891359	.5037737	.5653602	.3038545	5.113556
#1	.8322130	369.3586	6.920933	57.42856	.3349947	.0087579
#2	.8265189	370.4808	6.990386	58.08113	.3334421	.0096837
#3	.8291750	369.1971	6.947724	57.73502	.3353555	.0090879

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.554735	.7380111	3.081047	14.72854	.0109109	.0090205
Stddev	.019394	.0054633	.001685	.07731	.0012757	.0001141
%RSD	.7591580	.7402711	.0546863	.5249073	11.69232	1.265135
#1	2.532616	.7317703	3.079401	14.66815	.0122416	.0091258
#2	2.568831	.7419293	3.080972	14.81567	.0096984	.0088992
#3	2.562757	.7403339	3.082768	14.70179	.0107926	.0090365

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3526-01 Acquired: 8/23/2024 19:31:41 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1881322	5.228275	F 17.35887	F 12.13368	7.243454	.2066502
Stddev	.0012266	.022858	.04921	.02292	.021376	.0038208
%RSD	.6519722	.4371988	.2834691	.1888796	.2951069	1.848939
#1	.1871885	5.207671	17.32079	12.15018	7.261747	.2041743
#2	.1895187	5.252863	17.41443	12.14336	7.219956	.2110506
#3	.1876895	5.224290	17.34139	12.10752	7.248658	.2047257

Elem	Sr4077
Units	ppm
Avg	.5940648
Stddev	.0043329
%RSD	.7293697
#1	.5900689
#2	.5986702
#3	.5934553

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5301.098	72856.27	8767.129	4063.765	5752.233
Stddev	11.142	247.43	39.719	11.981	10.545
%RSD	.2101754	.3396192	.4530451	.2948301	.1833130
#1	5297.081	72964.78	8807.335	4058.997	5751.220
#2	5292.522	73030.91	8766.135	4077.396	5742.232
#3	5313.691	72573.12	8727.916	4054.902	5763.248

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3526-01DUP Acquired: 8/23/2024 19:35:49 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0650010	.0068097	5.103923	-.029157	.0098338	205.1184
Stddev	.0005085	.0022149	.003831	.000393	.0022893	.7723
%RSD	.7822315	32.52603	.0750674	1.349164	23.28023	.3765319
#1	.0645197	.0043337	5.106197	-.029248	.0106773	205.8345
#2	.0649506	.0074925	5.099499	-.028727	.0115817	204.3000
#3	.0655328	.0086027	5.106072	-.029498	.0072424	205.2206

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.670243	.0136635	.0037112	213.0899	.3386349	.2274032
Stddev	.004833	.0001316	.0013949	.7747	.0113810	.0004379
%RSD	.2893405	.9630502	37.58659	.3635334	3.360849	.1925604
#1	1.672002	.0136232	.0037782	213.6512	.3337827	.2273783
#2	1.664777	.0135568	.0050715	212.2061	.3304842	.2278530
#3	1.673950	.0138105	.0022841	213.4124	.3516378	.2269783

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8129019	377.1984	6.930533	57.67974	.3321031	.0094596
Stddev	.0137256	13.6433	.022087	.01345	.0005577	.0001924
%RSD	1.688467	3.617012	.3186919	.0233211	.1679355	2.034445
#1	.8153168	374.0406	6.945764	57.69510	.3324307	.0096609
#2	.8252598	365.4108	6.905202	57.67006	.3314591	.0092775
#3	.7981292	392.1437	6.940633	57.67407	.3324194	.0094402

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.617416	.7387453	3.136072	15.06448	.0204597	.0090139
Stddev	.110057	.0041910	.110039	.53846	.0166647	.0001317
%RSD	4.204794	.5673109	3.508803	3.574344	81.45163	1.460509
#1	2.571706	.7396819	3.089598	14.85887	.0204719	.0090698
#2	2.537580	.7341653	3.056895	14.65913	.0037888	.0088635
#3	2.742962	.7423888	3.261723	15.67545	.0371183	.0091083

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3526-01DUP Acquired: 8/23/2024 19:35:49 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1862412	5.213635	F 17.80653	F 12.01685	7.148653	.2102377
Stddev	.0001130	.016943	.64457	.01249	.009405	.0025255
%RSD	.0606757	.3249764	3.619837	.1039077	.1315588	1.201238
#1	.1862968	5.220863	17.63459	12.01492	7.139333	.2130238
#2	.1863157	5.194277	17.26537	12.00544	7.148488	.2095903
#3	.1861112	5.225765	18.51964	12.03018	7.158140	.2080989

Elem	Sr4077
Units	ppm
Avg	.5815390
Stddev	.0106785
%RSD	1.836244
#1	.5852679
#2	.5898529
#3	.5694960

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5311.915	70119.81	8626.645	3953.458	5780.800
Stddev	8.116	2062.24	42.145	110.994	13.768
%RSD	.1527954	2.941022	.4885474	2.807519	.2381652
#1	5306.956	70755.13	8622.329	3984.590	5774.788
#2	5321.282	71789.63	8586.823	4045.561	5796.551
#3	5307.507	67814.66	8670.782	3830.222	5771.060

Sample Name: P3526-01LX5 Acquired: 8/23/2024 19:39:56 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0099060	.0020370	1.077658	-.008376	.0001863	49.63483	.4052262
Stddev	.0031020	.0012274	.002142	.002451	.0018231	.10744	.0046525
%RSD	31.31428	60.25591	.1987510	29.26156	978.4072	.2164587	1.148119
#1	.0077799	.0017286	1.075262	-.005614	-.001369	49.63202	.4031855
#2	.0134654	.0033893	1.078326	-.009225	.002193	49.74365	.4105503
#3	.0084726	.0009932	1.079387	-.010290	-.000265	49.52883	.4019428

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035489	-.000299	52.37306	.0813500	.0470151	.2229829	84.20032
Stddev	.0001033	.000044	.17039	.0004648	.0001160	.0004999	.29949
%RSD	2.909718	14.72700	.3253414	.5714044	.2467687	.2241753	.3556868
#1	.0035717	-.000254	52.24470	.0818361	.0469304	.2228369	84.15846
#2	.0036388	-.000342	52.56638	.0813040	.0471473	.2225723	84.51853
#3	.0034361	-.000301	52.30810	.0809099	.0469676	.2235395	83.92396

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.717782	14.42281	.0696457	.0004634	.5575974	.1823333	.7138631
Stddev	.007350	.10379	.0002952	.0003571	.0229441	.0047285	.0004374
%RSD	.4278634	.7196262	.4239047	77.06331	4.114805	2.593344	.0612790
#1	1.710207	14.30300	.0697955	.0007628	.5345830	.1780168	.7142306
#2	1.724883	14.47985	.0693056	.0000682	.5804704	.1873872	.7139794
#3	1.718255	14.48556	.0698359	.0005591	.5577389	.1815960	.7133792

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.122522	-.006082	.0022181	.0384349	1.274423	3.834607	2.482486
Stddev	.032625	.002227	.0001454	.0003531	.007260	.035048	.013055
%RSD	1.044819	36.61107	6.555604	.9186411	.5696463	.9139897	.5258745
#1	3.084993	-.004797	.0022096	.0381505	1.266784	3.810541	2.468388
#2	3.144123	-.004796	.0020771	.0383240	1.281232	3.874817	2.484913
#3	3.138449	-.008653	.0023675	.0388300	1.275253	3.818462	2.494157

Sample Name: P3526-01LX5 Acquired: 8/23/2024 19:39:56 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.434915	.0441957	.1458239
Stddev	.002499	.0036559	.0012890
%RSD	.1741608	8.272194	.8839682
#1	1.433227	.0424561	.1443901
#2	1.433732	.0483966	.1468868
#3	1.437786	.0417343	.1461949

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4382.837	62979.95	6988.802	3498.454	5834.601
Stddev	13.251	224.69	26.914	10.445	18.625
%RSD	.3023471	.3567587	.3851068	.2985552	.3192149
#1	4370.206	62994.48	7017.316	3497.956	5817.476
#2	4381.674	62748.35	6963.840	3488.267	5831.897
#3	4396.632	63197.02	6985.252	3509.139	5854.431

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3526-01MS Acquired: 8/23/2024 19:44:07 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7531999	2.187733	6.087423	1.673083	.6978401	204.0056
Stddev	.0044513	.027746	.009675	.003123	.0028908	.4627
%RSD	.5909891	1.268240	.1589317	.1866414	.4142520	.2267833
#1	.7485784	2.169497	6.093710	1.673463	.6945443	203.5831
#2	.7574589	2.174039	6.076282	1.675997	.6999463	203.9336
#3	.7535624	2.219664	6.092277	1.669787	.6990297	204.5000

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.807648	.1781483	.2058220	211.0720	.6409108	.4285423
Stddev	.005575	.0006371	.0001041	.5252	.0040190	.0002839
%RSD	.3084102	.3576182	.0505964	.2488197	.6270720	.0662497
#1	1.801299	.1780150	.2057087	210.4947	.6455433	.4285913
#2	1.811743	.1775884	.2058439	211.1999	.6388338	.4287986
#3	1.809903	.1788415	.2059135	211.5215	.6383553	.4282371

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.080815	354.2045	6.991183	58.33284	.8384725	.0713049
Stddev	.001772	1.3482	.017222	.12909	.0007036	.0002864
%RSD	.1639621	.3806245	.2463407	.2213046	.0839091	.4017018
#1	1.082842	352.9462	6.972467	58.23346	.8379534	.0711118
#2	1.080044	355.6274	6.994718	58.47874	.8381908	.0716340
#3	1.079559	354.0397	7.006363	58.28631	.8392732	.0711688

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.755009	.9540810	3.171991	22.36400	.2076600	.3413063
Stddev	.016422	.0041660	.009002	.13755	.0025971	.0009139
%RSD	.3453577	.4366504	.2837949	.6150599	1.250658	.2677647
#1	4.736957	.9521910	3.161597	22.25324	.2047943	.3403377
#2	4.769063	.9511950	3.177132	22.51797	.2098582	.3414277
#3	4.759007	.9588570	3.177246	22.32080	.2083276	.3421534

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3526-01MS Acquired: 8/23/2024 19:44:07 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9134923	5.311911	F 17.04481	F 18.23986	7.174403	.3414404
Stddev	.0006976	.008000	.11301	.04995	.021713	.0016153
%RSD	.0763690	.1505956	.6629895	.2738757	.3026390	.4730792
#1	.9130055	5.302964	16.93090	18.20676	7.155928	.3400340
#2	.9131798	5.314397	17.15689	18.21550	7.168961	.3410825
#3	.9142915	5.318373	17.04664	18.29732	7.198319	.3432045

Elem	Sr4077
Units	ppm
Avg	.7474183
Stddev	.0015634
%RSD	.2091668
#1	.7456325
#2	.7485401
#3	.7480821

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5193.459	73798.33	8586.694	4081.909	5657.345
Stddev	9.763	112.63	18.619	23.370	8.103
%RSD	.1879903	.1526254	.2168409	.5725303	.1432358
#1	5183.275	73791.28	8582.767	4108.418	5651.769
#2	5202.738	73689.38	8606.964	4064.282	5666.640
#3	5194.364	73914.32	8570.352	4073.027	5653.625

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3526-01MSD Acquired: 8/23/2024 19:48:09 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7870432	2.284623	6.120110	1.752128	.7100856	206.5068
Stddev	.0058330	.015938	.015416	.006235	.0023634	.1184
%RSD	.7411248	.6976348	.2518989	.3558410	.3328360	.0573303
#1	.7806745	2.282032	6.110983	1.749351	.7078220	206.4079
#2	.7883293	2.270138	6.111437	1.747764	.7098973	206.6380
#3	.7921258	2.301698	6.137909	1.759269	.7125375	206.4746

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.812375	.1896209	.2133690	211.6650	.6638419	.4367039
Stddev	.004570	.0005546	.0008865	.3198	.0016614	.0013835
%RSD	.2521295	.2924521	.4154855	.1510842	.2502678	.3168150
#1	1.808102	.1890702	.2131324	211.2985	.6621894	.4362712
#2	1.811830	.1896133	.2126247	211.8095	.6638243	.4355883
#3	1.817192	.1901792	.2143498	211.8870	.6655121	.4382520

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.081679	362.8319	7.052437	58.96925	.8600089	.0755587
Stddev	.004449	.6873	.013260	.03512	.0021217	.0003506
%RSD	.4112604	.1894153	.1880187	.0595567	.2467120	.4640014
#1	1.078058	363.2934	7.040216	58.94103	.8588569	.0756830
#2	1.080335	363.1602	7.050561	58.95814	.8587122	.0758303
#3	1.086645	362.0420	7.066535	59.00859	.8624574	.0751629

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.072984	.9741547	3.242362	23.49178	.2369320	.3479842
Stddev	.035738	.0094308	.007697	.08484	.0023833	.0009164
%RSD	.7044755	.9680977	.2373996	.3611430	1.005921	.2633538
#1	5.052065	.9684546	3.233984	23.51205	.2393774	.3475443
#2	5.114249	.9689691	3.249120	23.56465	.2368025	.3473706
#3	5.052637	.9850404	3.243984	23.39864	.2346160	.3490376

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3526-01MSD Acquired: 8/23/2024 19:48:09 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9256987	5.345447	F 17.61385	F 18.49671	7.181404	.3661787
Stddev	.0028440	.015945	.01955	.06552	.046110	.0015889
%RSD	.3072323	.2982843	.1110156	.3542314	.6420732	.4339060
#1	.9238964	5.329981	17.63137	18.48139	7.147855	.3653491
#2	.9242224	5.344530	17.61742	18.44020	7.162374	.3680107
#3	.9289773	5.361831	17.59276	18.56853	7.233983	.3651764

Elem	Sr4077
Units	ppm
Avg	.7466312
Stddev	.0018697
%RSD	.2504137
#1	.7453785
#2	.7457350
#3	.7487803

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5168.316	70152.71	8302.707	3929.875	5632.140
Stddev	6.251	184.17	32.073	12.742	9.847
%RSD	.1209559	.2625300	.3863010	.3242420	.1748393
#1	5167.931	70245.01	8339.286	3931.016	5635.307
#2	5174.750	69940.64	8289.441	3916.600	5640.015
#3	5162.265	70272.48	8279.395	3942.008	5621.099

Sample Name: P3526-01A Acquired: 8/23/2024 19:52:11 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7612541	2.213552	6.094188	1.686423	.6875885	204.8836
Stddev	.0023836	.011713	.009519	.003371	.0018894	.1735
%RSD	.3131117	.5291546	.1561993	.1999020	.2747906	.0846892
#1	.7596725	2.213920	6.083205	1.682560	.6854071	204.8268
#2	.7600941	2.225077	6.100065	1.688770	.6886508	204.7456
#3	.7639956	2.201660	6.099293	1.687940	.6887077	205.0784

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.807899	.1830807	.2077852	210.8710	.6540168	.4301672
Stddev	.005365	.0009451	.0001517	.1849	.0029659	.0004494
%RSD	.2967714	.5162074	.0729830	.0876797	.4534895	.1044677
#1	1.813399	.1841527	.2076287	211.0806	.6506776	.4298870
#2	1.807618	.1823678	.2079314	210.7311	.6563452	.4299290
#3	1.802679	.1827217	.2077955	210.8013	.6550276	.4306855

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.071037	362.3428	7.029370	58.79159	.8443868	.0736987
Stddev	.000551	1.9890	.012192	.28425	.0010088	.0005954
%RSD	.0514548	.5489326	.1734413	.4834946	.1194750	.8078587
#1	1.071293	360.4534	7.042944	59.02780	.8432555	.0730675
#2	1.070404	364.4184	7.025817	58.87087	.8451932	.0742503
#3	1.071413	362.1567	7.019349	58.47612	.8447116	.0737783

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.990992	.9703328	3.230636	23.16126	.2269681	.3382727
Stddev	.034965	.0065639	.007545	.16835	.0035056	.0006679
%RSD	.7005699	.6764615	.2335415	.7268561	1.544533	.1974302
#1	4.952967	.9754147	3.222017	22.98973	.2242144	.3377399
#2	5.021757	.9629219	3.233846	23.32624	.2309144	.3380563
#3	4.998253	.9726618	3.236045	23.16781	.2257755	.3390220

Sample Name: P3526-01A Acquired: 8/23/2024 19:52:11 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9061453	5.317058	F 17.65204	F 18.10240	7.098858	.3525598
Stddev	.0032465	.010803	.09196	.02924	.005192	.0067122
%RSD	.3582765	.2031854	.5209425	.1615263	.0731423	1.903835
#1	.9023985	5.328315	17.64414	18.07460	7.097029	.3574709
#2	.9079157	5.316086	17.74770	18.13290	7.104717	.3552970
#3	.9081218	5.306774	17.56429	18.09970	7.094827	.3449116

Elem	Sr4077
Units	ppm
Avg	.7427929
Stddev	.0044265
%RSD	.5959207
#1	.7474235
#2	.7386036
#3	.7423515

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5229.361	70900.60	8402.125	3960.860	5693.941
Stddev	11.941	498.58	34.722	20.709	12.105
%RSD	.2283517	.7032084	.4132469	.5228376	.2125893
#1	5240.294	71223.02	8378.983	3969.768	5705.304
#2	5216.618	70326.33	8385.343	3937.188	5681.211
#3	5231.172	71152.44	8442.050	3975.624	5695.307

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3573-01 Acquired: 8/23/2024 19:56:13 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000112	-.000311	.1963764	-.004802	-.000814	61.89484
Stddev	.003386	.002426	.0011692	.003733	.002277	.35855
%RSD	3021.733	780.4247	.5953962	77.73861	279.7160	.5792901
#1	-.000927	-.002904	.1968897	-.008237	-.001171	62.23558
#2	.003607	.001904	.1950383	-.000829	-.002891	61.92816
#3	-.003017	.000068	.1972012	-.005340	.001620	61.52080

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4526328	.0047084	.0028803	7.492447	.1592339	.0268221
Stddev	.0035324	.0000248	.0000609	.008557	.0007732	.0001176
%RSD	.7804224	.5273848	2.114579	.1142133	.4855432	.4384976
#1	.4555905	.0047327	.0029337	7.498379	.1598353	.0266870
#2	.4535866	.0046831	.0028140	7.496325	.1595046	.0269013
#3	.4487214	.0047094	.0028930	7.482637	.1583618	.0268782

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2865282	54.74851	.6466276	17.13842	.0903702	.0419114
Stddev	.0005303	.18223	.0030872	.03529	.0002275	.0004369
%RSD	.1850703	.3328537	.4774244	.2059266	.2517148	1.042433
#1	.2860341	54.89258	.6498836	17.15629	.0904667	.0417485
#2	.2870885	54.80930	.6462562	17.09777	.0905335	.0424063
#3	.2864622	54.54365	.6437429	17.16120	.0901104	.0415792

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.515964	.1665380	.3484146	4.758598	-.016190	-.000129
Stddev	.020755	.0046802	.0011428	.024827	.001817	.000153
%RSD	1.369119	2.810270	.3280035	.5217260	11.22129	118.8018
#1	1.492071	.1697174	.3487651	4.780390	-.014578	-.000212
#2	1.529538	.1687327	.3471376	4.731571	-.015833	-.000222
#3	1.526282	.1611638	.3493411	4.763834	-.018159	.000048

Sample Name: P3573-01 Acquired: 8/23/2024 19:56:13 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018756	.8294171	F 11.28897	.3654145	1.285242	.0758981
Stddev	.0003588	.0031647	.02965	.0038679	.004927	.0012312
%RSD	19.13106	.3815621	.2626891	1.058497	.3833706	1.622194
#1	.0019440	.8306164	11.25508	.3697086	1.283580	.0762459
#2	.0014875	.8318069	11.31016	.3622039	1.281362	.0745304
#3	.0021953	.8258280	11.30168	.3643311	1.290786	.0769180

Elem	Sr4077
Units	ppm
Avg	.0042137
Stddev	.0001673
%RSD	3.969267
#1	.0040209
#2	.0043007
#3	.0043195

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4752.714	65287.77	7112.949	3665.050	6127.944
Stddev	10.243	122.12	18.930	3.804	8.616
%RSD	.2155090	.1870419	.2661293	.1038007	.1406067
#1	4758.992	65223.24	7098.341	3662.552	6137.618
#2	4740.894	65211.46	7106.171	3669.429	6121.095
#3	4758.255	65428.61	7134.334	3663.170	6125.120

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3573-02 Acquired: 8/23/2024 20:00:26 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0208994	-.003456	.3161548	-.000940	-.002224	17.14031	.2762233
Stddev	.0016279	.001117	.0020724	.002122	.001640	.02245	.0018099
%RSD	7.789213	32.32830	.6555048	225.7752	73.71368	.1310031	.6552427
#1	.0222450	-.004588	.3139988	-.000817	-.001175	17.16623	.2757632
#2	.0190899	-.003425	.3163336	.001118	-.004114	17.12709	.2746878
#3	.0213634	-.002354	.3181321	-.003120	-.001384	17.12760	.2782188

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011832	-.000166	5.480801	.0929634	.0038901	.1151159	10.19273
Stddev	.0000324	.000070	.017984	.0006618	.0000775	.0003564	.04624
%RSD	2.735007	42.13031	.3281197	.7118788	1.991184	.3095718	.4536493
#1	.0011667	-.000207	5.464179	.0936108	.0039276	.1149155	10.24570
#2	.0012205	-.000206	5.499891	.0922881	.0038010	.1149048	10.16041
#3	.0011625	-.000085	5.478331	.0929912	.0039416	.1155273	10.17209

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1337073	2.307216	.0202238	.0324007	.7927139	.2134748	.0744094
Stddev	.0008383	.024577	.0001642	.0005372	.0097526	.0023973	.0001270
%RSD	.6269833	1.065240	.8119827	1.657939	1.230284	1.122983	.1706562
#1	.1341172	2.308523	.0200519	.0326775	.7979030	.2160840	.0743667
#2	.1342617	2.282012	.0202406	.0317816	.7814638	.2113696	.0743093
#3	.1327429	2.331115	.0203790	.0327431	.7987748	.2129707	.0745523

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.264479	.0113272	.0019229	.0028765	.4887680	5.058088	.3422435
Stddev	.019281	.0008619	.0002019	.0003884	.0018714	.021382	.0033723
%RSD	.3077876	7.609049	10.49961	13.50131	.3828742	.4227228	.9853444
#1	6.248294	.0122134	.0018583	.0025646	.4874268	5.081296	.3438825
#2	6.259330	.0112764	.0021492	.0033115	.4879714	5.039189	.3383650
#3	6.285812	.0104918	.0017612	.0027533	.4909059	5.053778	.3444830

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3573-02 Acquired: 8/23/2024 20:00:26 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.9294118	.0014704	.0387835
Stddev	.0020076	.0027679	.0000866
%RSD	.2160080	188.2474	.2232329
#1	.9317274	.0038565	.0386991
#2	.9281594	-.001564	.0388721
#3	.9283487	.002119	.0387794

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4914.577	65851.45	7649.813	3701.799	6336.822
Stddev	10.428	282.47	16.141	7.436	8.634
%RSD	.2121805	.4289574	.2110029	.2008864	.1362476
#1	4917.744	65552.54	7632.616	3694.028	6345.632
#2	4902.933	66113.95	7664.635	3702.519	6328.376
#3	4923.054	65887.86	7652.187	3708.849	6336.457

Sample Name: P3573-03 Acquired: 8/23/2024 20:04:43 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0226172	-.005144	.4768622	-.001464	-.002337	21.72358	.3578845
Stddev	.0010365	.001620	.0019720	.002430	.002542	.17077	.0032864
%RSD	4.582771	31.50212	.4135383	166.0720	108.7790	.7861261	.9182895
#1	.0224020	-.006593	.4790968	-.000644	-.002690	21.59408	.3543828
#2	.0237444	-.005443	.4753658	.000451	-.004684	21.65953	.3583689
#3	.0217052	-.003395	.4761240	-.004198	.000363	21.91711	.3609018

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013981	.0002153	6.557648	.1213055	.0052609	.1423439	14.70112
Stddev	.0000343	.0000934	.041158	.0002119	.0001524	.0003973	.14849
%RSD	2.454554	43.40150	.6276305	.1746634	2.896513	.2790830	1.010040
#1	.0014324	.0001213	6.528176	.1212771	.0054316	.1428025	14.65908
#2	.0013638	.0003082	6.540095	.1215301	.0051385	.1421228	14.57817
#3	.0013979	.0002165	6.604672	.1211093	.0052127	.1421063	14.86609

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2750320	2.980195	.0314690	.0735758	.8864371	.2602861	.1146120
Stddev	.0027046	.060876	.0003810	.0001009	.0234941	.0025546	.0007213
%RSD	.9833851	2.042679	1.210630	.1371386	2.650397	.9814648	.6293509
#1	.2731207	2.935679	.0318269	.0736793	.8778528	.2632192	.1147764
#2	.2738487	2.955340	.0315114	.0735703	.8684425	.2585476	.1138227
#3	.2781266	3.049565	.0310685	.0734778	.9130162	.2590915	.1152370

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.851444	.0078735	.0021603	.0040751	1.004788	6.518860	.3740521
Stddev	.053726	.0012444	.0001384	.0003739	.008266	.064855	.0021744
%RSD	.9181616	15.80449	6.407345	9.174314	.8226396	.9948790	.5813189
#1	5.854540	.0064458	.0020146	.0036894	.997269	6.501610	.3725027
#2	5.796237	.0084470	.0021761	.0041000	1.003456	6.464374	.3731158
#3	5.903555	.0087277	.0022901	.0044359	1.013639	6.590596	.3765379

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3573-03 Acquired: 8/23/2024 20:04:43 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.089656	.0051905	.0423057
Stddev	.000911	.0050260	.0005351
%RSD	.0836481	96.83124	1.264908
#1	1.090224	-.000506	.0416939
#2	1.090139	.007076	.0425365
#3	1.088605	.009002	.0426868

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4931.252	65472.64	7568.415	3686.399	6388.989
Stddev	24.432	206.58	52.532	24.819	32.232
%RSD	.4954519	.3155276	.6940932	.6732483	.5045007
#1	4903.127	65524.86	7628.310	3687.836	6352.131
#2	4947.228	65648.11	7546.774	3710.467	6402.935
#3	4943.401	65244.96	7530.160	3660.893	6411.900

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: P3573-04 Acquired: 8/23/2024 20:08:59 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025277	-.001444	.1293390	-.001419	-.000324	22.75534	.3548694
Stddev	.0008523	.000603	.0007501	.002321	.001692	.01494	.0022597
%RSD	33.72014	41.73550	.5799525	163.5650	523.0250	.0656468	.6367572
#1	.0034512	-.002081	.1298136	-.000521	-.001145	22.73810	.3562257
#2	.0023607	-.001371	.1297291	.000319	-.001448	22.76344	.3522609
#3	.0017712	-.000882	.1284742	-.004054	.001623	22.76448	.3561216

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022987	.0004198	3.651429	.0657292	.0108198	.0693981	26.81558
Stddev	.0000268	.0000292	.020908	.0011884	.0001002	.0005544	.20584
%RSD	1.167423	6.945973	.5725855	1.807956	.9262130	.7988743	.7676277
#1	.0023115	.0004334	3.644906	.0667409	.0108373	.0687670	26.80311
#2	.0023168	.0003864	3.634560	.0644205	.0107120	.0698068	26.61626
#3	.0022679	.0004398	3.674820	.0660262	.0109101	.0696205	27.02738

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2595519	6.291795	.0401525	.0468917	.6293769	.0925399	.1916761
Stddev	.0011394	.019313	.0001951	.0003809	.0291803	.0069569	.0002575
%RSD	.4389884	.3069496	.4859015	.8123696	4.636385	7.517723	.1343493
#1	.2591419	6.271095	.0399951	.0464572	.6019695	.1001537	.1915357
#2	.2586742	6.294960	.0400916	.0471681	.6261065	.0909513	.1919733
#3	.2608396	6.309329	.0403708	.0470498	.6600547	.0865147	.1915193

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.684033	-.003288	.0001317	.0009987	.5754903	6.290107	.2176433
Stddev	.049548	.000664	.0002590	.0008111	.0007753	.037445	.0031229
%RSD	1.846030	20.19440	196.6780	81.21758	.1347239	.5953053	1.434858
#1	2.693585	-.003917	.0002859	.0017877	.5745969	6.304409	.2142148
#2	2.630405	-.002594	-.000167	.0010413	.5759871	6.247619	.2183902
#3	2.728111	-.003352	.000276	.0001671	.5758869	6.318294	.2203251

Sample Name: P3573-04 Acquired: 8/23/2024 20:08:59 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.926084	.0208959	.0111020
Stddev	.012323	.0041838	.0002221
%RSD	.6397712	20.02224	2.000077
#1	1.917817	.0254637	.0112191
#2	1.920189	.0172498	.0112409
#3	1.940247	.0199742	.0108459

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4595.264	63741.41	7279.980	3591.623	6229.776
Stddev	18.824	129.95	41.065	14.934	25.255
%RSD	.4096394	.2038633	.5640834	.4157953	.4053978
#1	4616.854	63683.94	7287.242	3608.412	6257.254
#2	4582.292	63890.18	7235.769	3586.640	6224.495
#3	4586.646	63650.11	7316.930	3579.818	6207.579

Sample Name: CCV11 Acquired: 8/23/2024 20:47:29 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV11 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.962735	5.473943	5.010523	5.114225	4.914396	9.820073	9.623921
Stddev	.005689	.038183	.003622	.010091	.009269	.114961	.083955
%RSD	.1146416	.6975419	.0722954	.1973039	.1886158	1.170676	.8723536
#1	4.968422	5.515763	5.014007	5.125876	4.924705	9.741990	9.556425
#2	4.962739	5.465126	5.006776	5.108282	4.911735	9.766144	9.597407
#3	4.957043	5.440940	5.010787	5.108518	4.906748	9.952084	9.717932

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2625856	2.506575	24.66053	.9719324	2.458334	1.236458	4.600650
Stddev	.0022031	.003018	.22770	.0018928	.002681	.001486	.021071
%RSD	.8389952	.1203959	.9233383	.1947481	.1090649	.1202168	.4580078
#1	.2615496	2.509443	24.57709	.9735339	2.460980	1.236947	4.585717
#2	.2610915	2.506854	24.48632	.9724197	2.458402	1.237639	4.624752
#3	.2651157	2.503427	24.91818	.9698435	2.455619	1.234789	4.591481

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.452814	24.39485	2.486350	1.233293	22.94029	2.399619	2.464687
Stddev	.020174	.22587	.002053	.002970	.08083	.011225	.017361
%RSD	.8224979	.9258760	.0825606	.2407977	.3523699	.4677631	.7043765
#1	2.438854	24.21707	2.487061	1.236649	22.92272	2.389479	2.479284
#2	2.443643	24.31848	2.487953	1.232226	23.02847	2.397697	2.469287
#3	2.475944	24.64900	2.484037	1.231004	22.86969	2.411680	2.445489

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	22.63722	5.253872	4.921263	5.057302	4.892094	4.520945	5.155222
Stddev	.08454	.054406	.008736	.007432	.040244	.019950	.007039
%RSD	.3734357	1.035538	.1775201	.1469588	.8226272	.4412815	.1365410
#1	22.67332	5.229901	4.930876	5.063679	4.864171	4.498543	5.152449
#2	22.69771	5.215568	4.919105	5.059087	4.873888	4.527497	5.163225
#3	22.54063	5.316147	4.913807	5.049140	4.938224	4.536796	5.149991

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCV11 Acquired: 8/23/2024 20:47:29 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV11 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.949421	4.515553	4.841632
Stddev	.008693	.037778	.069037
%RSD	.1756459	.8366258	1.425895
#1	4.953414	4.493966	4.798158
#2	4.955401	4.493518	4.805504
#3	4.939448	4.559175	4.921236

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4316.544	59896.08	6357.940	3284.846	5902.563
Stddev	7.284	371.94	50.337	32.312	13.319
%RSD	.1687359	.6209763	.7917262	.9836586	.2256413
#1	4312.166	59510.12	6355.347	3255.992	5897.760
#2	4312.514	59925.91	6409.524	3278.789	5892.312
#3	4324.952	60252.21	6308.949	3319.758	5917.617

Sample Name: CCB11 Acquired: 8/23/2024 20:51:41 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB11 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000706	-.000885	.0005013	.0001287	-.002251	.0070988	.0052342
Stddev	.000830	.001246	.0010974	.0017289	.001012	.0021908	.0006863
%RSD	117.6281	140.8408	218.9254	1343.019	44.93674	30.86097	13.11215
#1	-.000799	.000172	.0014065	.0012867	-.003194	.0046157	.0051441
#2	-.001485	-.000567	-.000719	.0009582	-.001182	.0079216	.0059611
#3	.000167	-.002259	.000817	-.001859	-.002379	.0087590	.0045974

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001216	-.000034	.0094383	.0004803	.0002171	.0002884	.0015759
Stddev	.0000469	.000133	.0027006	.0003362	.0001139	.0002426	.0014545
%RSD	38.58452	386.0172	28.61366	70.00196	52.43975	84.13529	92.29528
#1	.0000800	-.000115	.0095085	.0000974	.0000871	.0005228	.0003624
#2	.0001124	-.000107	.0121031	.0007271	.0002655	.0000383	.0011771
#3	.0001724	.000119	.0067032	.0006164	.0002988	.0003042	.0031883

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001545	.0104563	.0001950	-.001223	-.023023	.0027464	.0008140
Stddev	.0002775	.0190347	.0000868	.000303	.010828	.0081117	.0002157
%RSD	179.5697	182.0398	44.53950	24.79900	47.03134	295.3641	26.49451
#1	-.000137	.0139609	.0001000	-.000888	-.023889	.0063621	.0010624
#2	.000415	-.010087	.0002145	-.001479	-.033391	-.006545	.0007051
#3	.000186	.027495	.0002704	-.001303	-.011788	.008421	.0006745

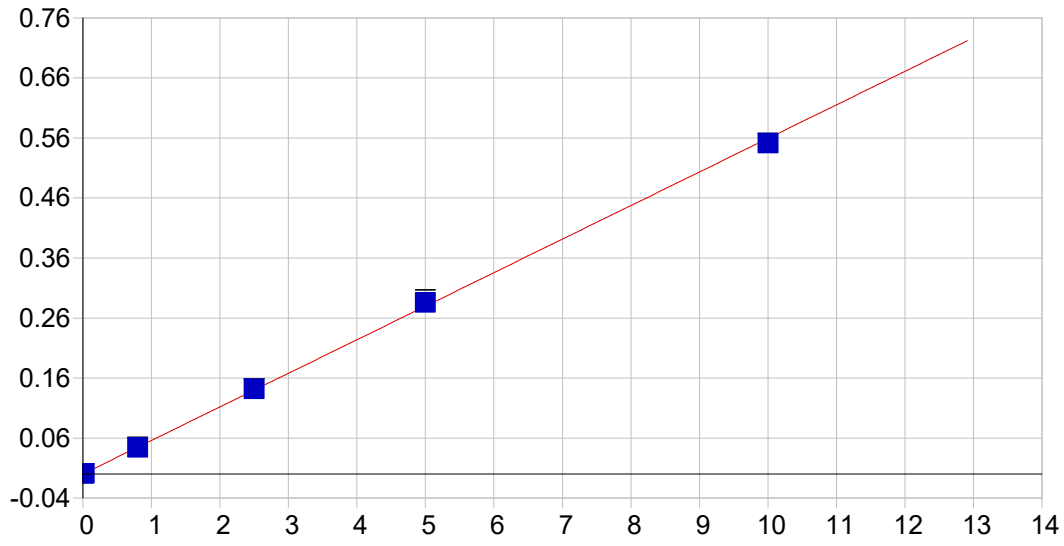
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.040814	.0124383	.0002148	.0008867	.0004181	-.004445	.0003053
Stddev	.016812	.0003731	.0002754	.0003799	.0020085	.010919	.0005830
%RSD	41.19038	2.999473	128.1811	42.84371	480.3855	245.6479	190.9373
#1	-.059568	.0124836	.0003790	.0012820	.0026819	.007349	.0009738
#2	-.027095	.0120447	.0003686	.0008538	-.001150	-.014203	-.000098
#3	-.035780	.0127867	-.000103	.0005243	-.000277	-.006481	.000040

Reviewed By:Mohan
On:8/24/2024 8:02:39 AM
Inst Id :P4
LB :LB132142

Sample Name: CCB11 Acquired: 8/23/2024 20:51:41 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB11 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.005437	-.000679	-.000124
Stddev	.003650	.006815	.000132
%RSD	67.14279	1004.281	105.8593
#1	-.001252	-.007800	-.000244
#2	-.007093	-.000020	-.000146
#3	-.007965	.005783	.000017

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4343.675	62176.42	6879.056	3461.946	6193.977
Stddev	1.692	150.88	70.438	11.077	3.336
%RSD	.0389568	.2426662	1.023950	.3199769	.0538650
#1	4344.637	62303.21	6905.657	3465.671	6196.899
#2	4344.666	62009.54	6932.320	3449.486	6190.342
#3	4341.721	62216.50	6799.191	3470.681	6194.690

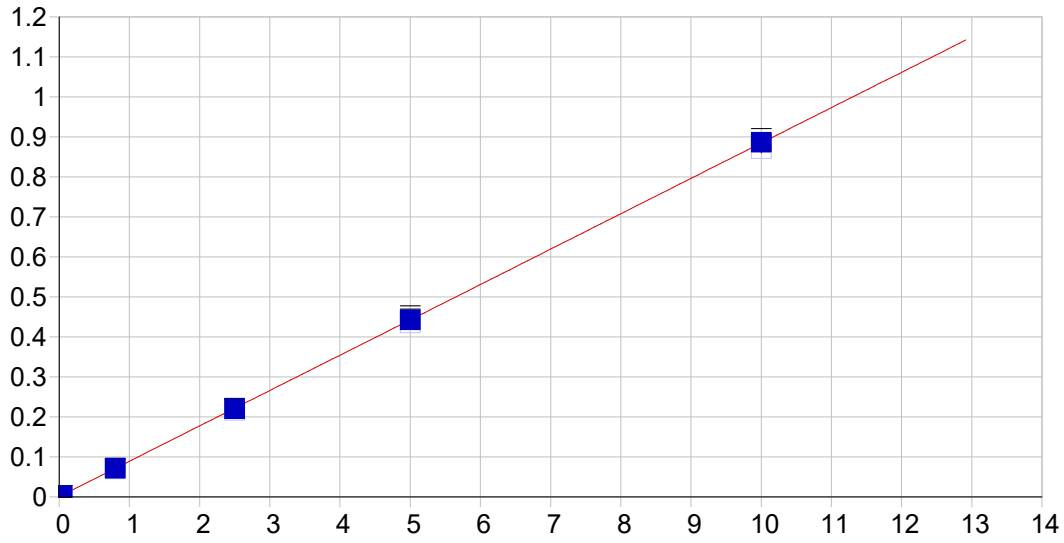


As 189.042 {479}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000012	Re-Slope:	1.000000
A1 (Gain):	0.055930	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999858	Status:	OK.
Std Error of Est:	0.000022		
Predicted MDL:	0.002734		
Predicted MQL:	0.009114		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00001	.000	1
S1	.02000	.02105	.001	5.23	.00116	.000	1
S3	2.5000	2.5344	.034	1.38	.14159	.001	1
S4	5.0000	5.1131	.113	2.26	.28566	.005	1
S5	10.000	9.8568	-.143	-1.43	.55067	.000	1
S2	.80000	.79466	-.005	-.668	.04438	.000	1

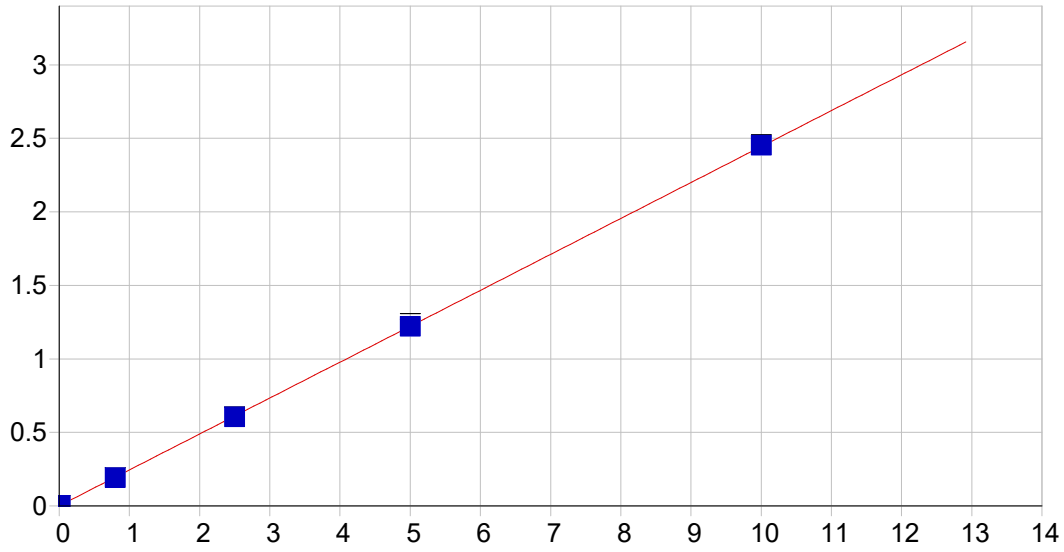


Tl 190.856 {477}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000707	Re-Slope:	1.000000
A1 (Gain):	0.088393	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999995	Status:	OK.
Std Error of Est:	0.000009		
Predicted MDL:	0.001560		
Predicted MQL:	0.005201		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00071	.000	1
S1	.04000	.03928	-.001	-1.80	.00395	.000	1
S3	2.5000	2.4838	-.016	-.646	.21619	.001	1
S4	5.0000	4.9993	-.001	-.014	.43447	.010	1
S5	10.000	10.020	.020	.202	.87014	.010	1
S2	.80000	.79731	-.003	-.336	.06988	.001	1

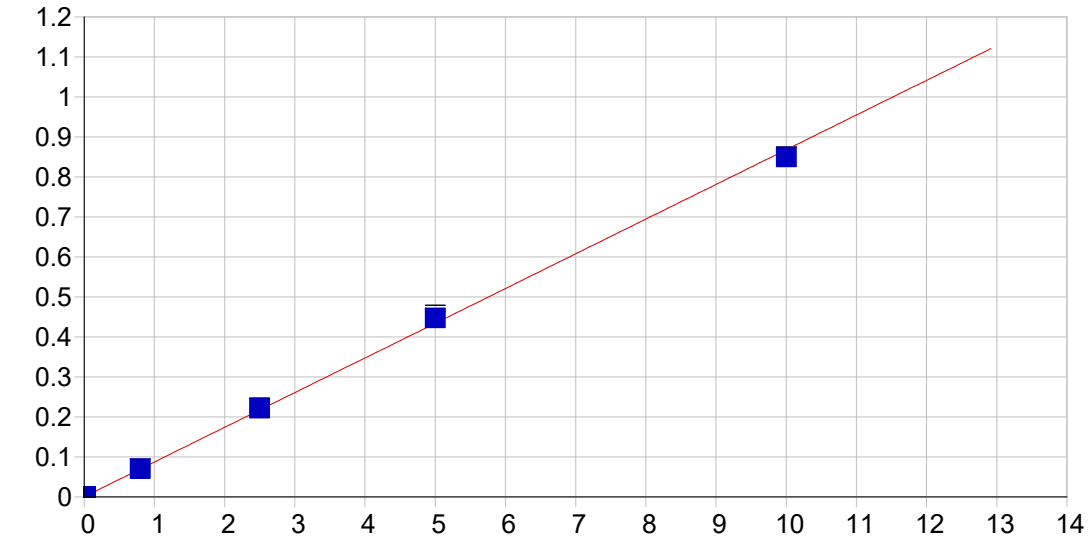


Pb 220.353 {453}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000358	Re-Slope:	1.000000
A1 (Gain):	0.244358	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999975	Status:	OK.
Std Error of Est:	0.000031		
Predicted MDL:	0.001380		
Predicted MQL:	0.004600		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00036	.000	1
S1	.01200	.01371	.002	14.3	.00365	.000	1
S3	2.5000	2.4763	-.024	-.949	.60478	.002	1
S4	5.0000	4.9999	-.000	-.002	1.2208	.019	1
S5	10.000	10.037	.037	.373	2.4503	.005	1
S2	.80000	.78479	-.015	-1.90	.19191	.001	1

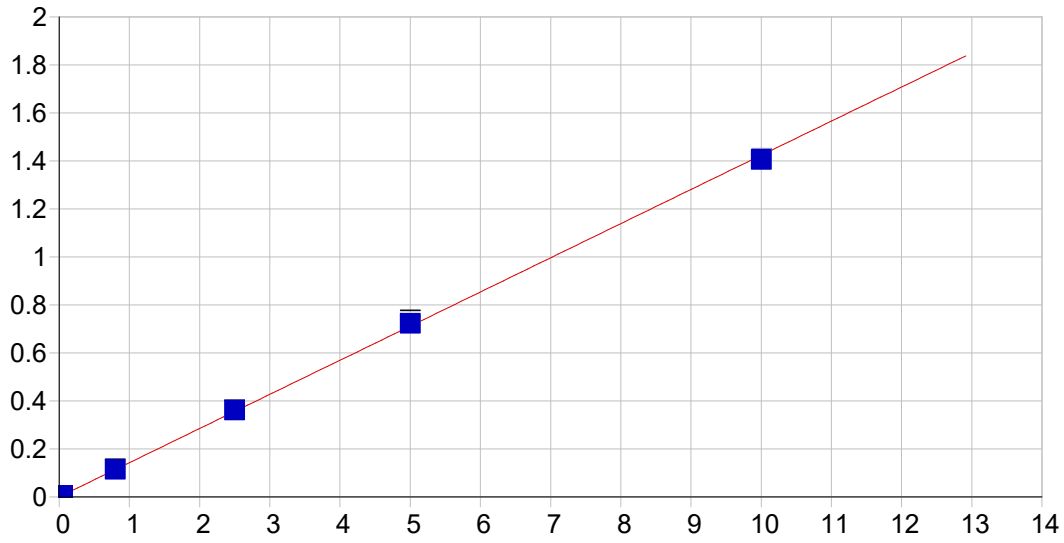


Se 196.090 {472}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000446	Re-Slope:	1.000000
A1 (Gain):	0.086745	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999728	Status:	OK.
Std Error of Est:	0.000047		
Predicted MDL:	0.002660		
Predicted MQL:	0.008868		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00045	.000	1
S1	.02000	.02025	.000	1.27	.00220	.000	1
S3	2.5000	2.5521	.052	2.08	.22178	.001	1
S4	5.0000	5.1510	.151	3.02	.44716	.007	1
S5	10.000	9.7926	-.207	-2.07	.84969	.000	1
S2	.80000	.80397	.004	.496	.07017	.001	1

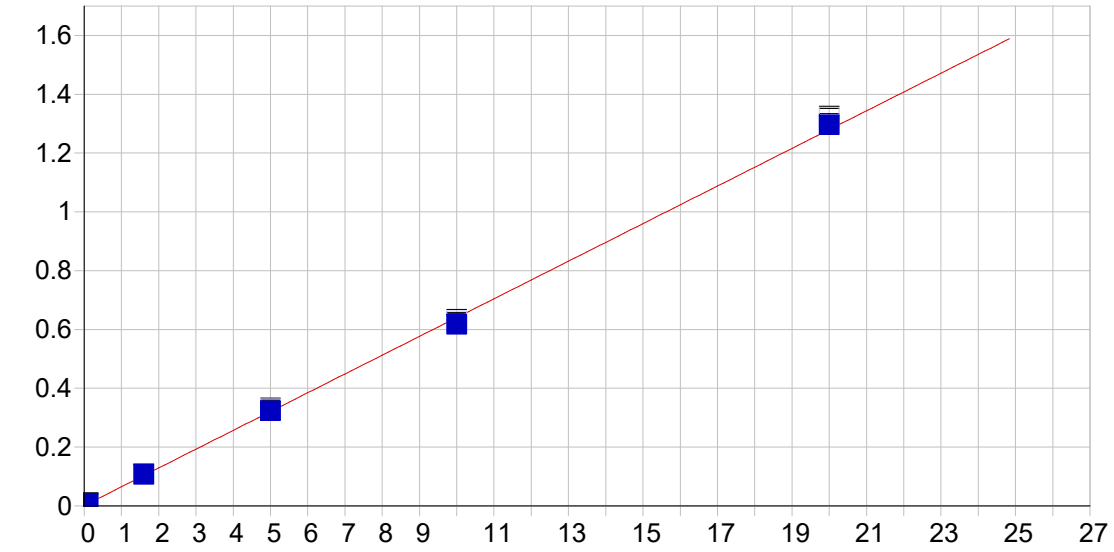


Sb 206.833 {463}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000161	Re-Slope:	1.000000
A1 (Gain):	0.142300	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999902	Status:	OK.
Std Error of Est:	0.000074		
Predicted MDL:	0.002071		
Predicted MQL:	0.006903		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00016	.000	1
S1	.05000	.05095	.001	1.91	.00743	.000	1
S3	2.5000	2.5389	.039	1.55	.36241	.001	1
S4	5.0000	5.0814	.081	1.63	.72518	.012	1
S5	10.000	9.8729	-.127	-1.27	1.4089	.002	1
S2	.80000	.80589	.006	.737	.11515	.001	1

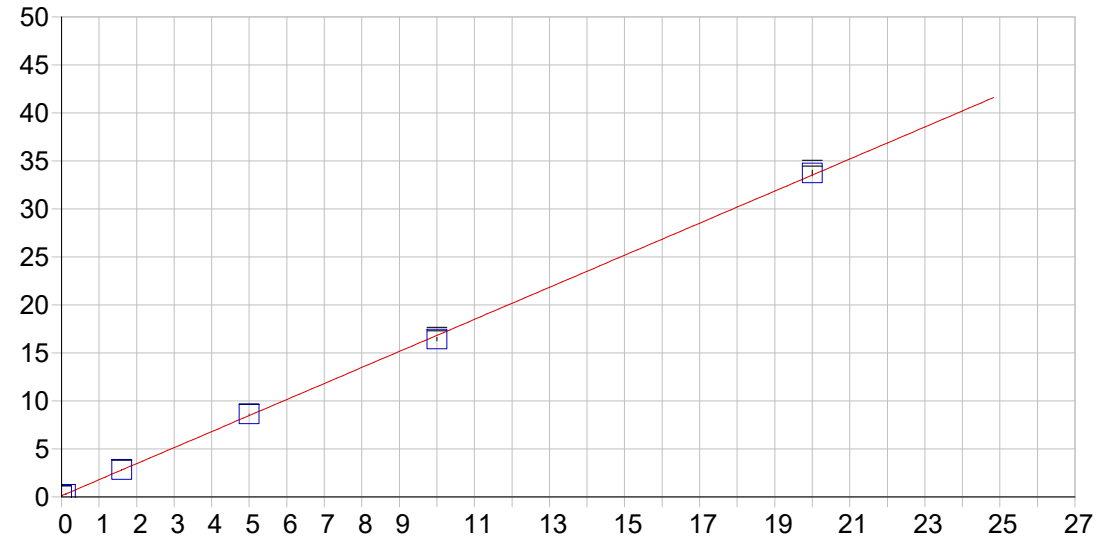


Al 396.152 { 85}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001214	Re-Slope:	1.000000
A1 (Gain):	0.063930	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999708	Status:	OK.
Std Error of Est:	0.000117		
Predicted MDL:	0.019950		
Predicted MQL:	0.066499		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00002	-.000	.000	.00121	.001	1
S1	.10000	.11667	.017	16.7	.00917	.001	1
S3	5.0000	5.0389	.039	.778	.32955	.003	1
S4	10.000	9.6265	-.374	-3.74	.62904	.005	1
S5	20.000	20.264	.264	1.32	1.3215	.004	1
S2	1.6000	1.6529	.053	3.31	.10887	.001	1

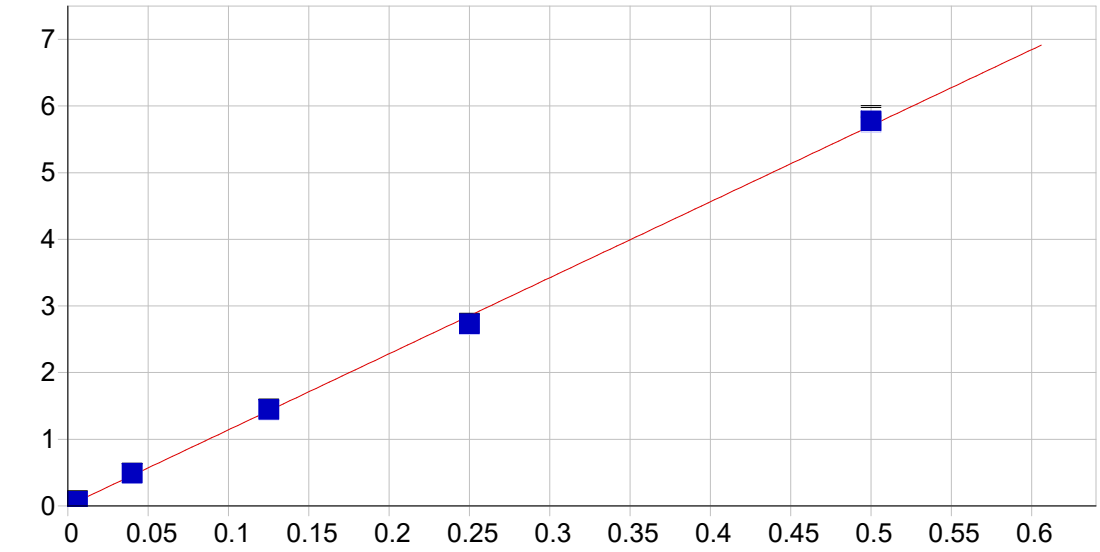


Ba 493.409 { 68}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.123175	Re-Slope:	1.000000
A1 (Gain):	1.670125	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999897	Status:	OK.
Std Error of Est:	0.001782		
Predicted MDL:	0.001749		
Predicted MQL:	0.005831		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.12317	.002	1
S1	.10000	.09985	-.000	-.150	.28994	.002	1
S3	5.0000	5.0866	.087	1.73	8.6184	.024	1
S4	10.000	9.7727	-.227	-2.27	16.445	.184	1
S5	20.000	20.126	.126	.632	33.737	.290	1
S2	1.6000	1.6145	.014	.905	2.8196	.033	1

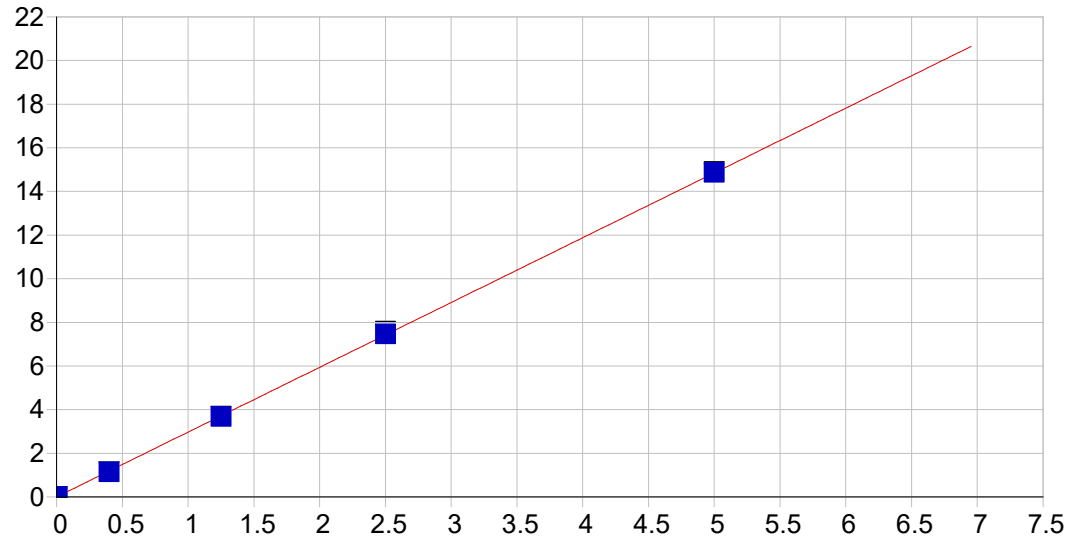


Be 234.861 {144}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000855	Re-Slope:	1.000000
A1 (Gain):	11.408564	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999600	Status:	OK.
Std Error of Est:	0.000924		
Predicted MDL:	0.000071		
Predicted MQL:	0.000237		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00085	.000	1
S1	.00600	.00618	.000	3.05	.07088	.000	1
S3	.12500	.12646	.001	1.17	1.4372	.010	1
S4	.25000	.23938	-.011	-4.25	2.7191	.009	1
S5	.50000	.50632	.006	1.26	5.7517	.078	1
S2	.04000	.04266	.003	6.64	.48545	.003	1

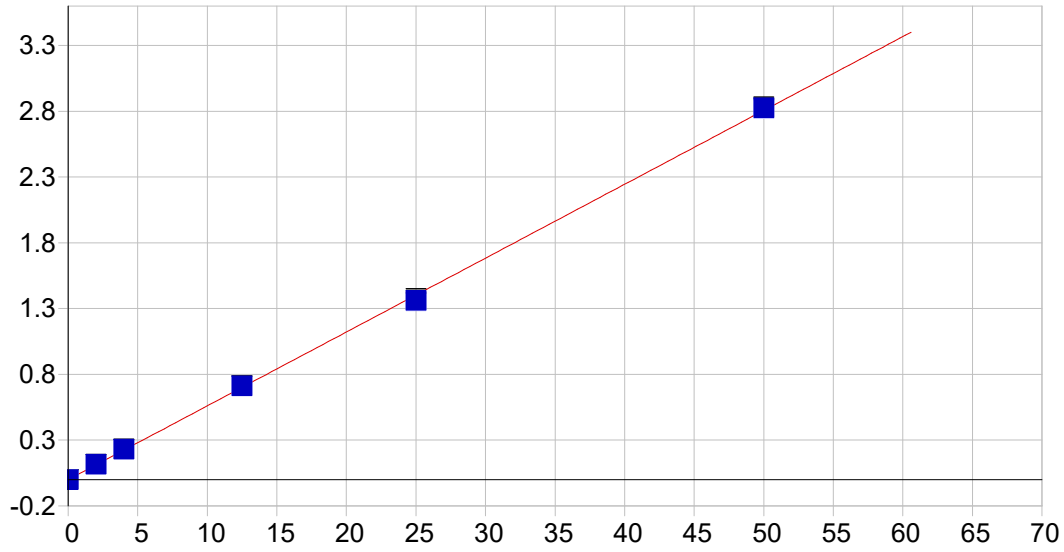


Cd 226.502 {449}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000730	Re-Slope:	1.000000
A1 (Gain):	2.969574	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999966	Status:	OK.
Std Error of Est:	0.000221		
Predicted MDL:	0.000093		
Predicted MQL:	0.000310		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00073	.000	1
S1	.00600	.00611	.000	1.89	.01895	.000	1
S3	1.2500	1.2413	-.009	-.698	3.6893	.004	1
S4	2.5000	2.5159	.016	.634	7.4768	.116	1
S5	5.0000	5.0061	.006	.122	14.877	.031	1
S2	.40000	.38667	-.013	-3.33	1.1498	.010	1

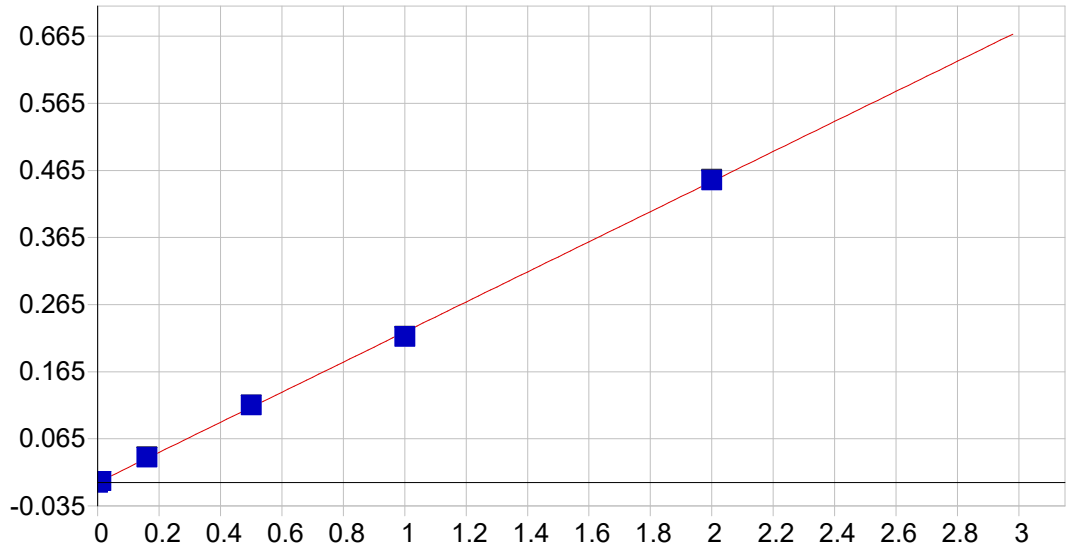


Ca 373.690 { 90}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000684	Re-Slope:	1.000000
A1 (Gain):	0.056143	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999823	Status:	OK.
Std Error of Est:	0.000557		
Predicted MDL:	0.019852		
Predicted MQL:	0.066172		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00011	-.000	.000	-.00069	.001	1
S2	4.0000	4.1119	.112	2.80	.22954	.002	1
S3	12.500	12.703	.203	1.62	.71052	.003	1
S4	25.000	24.261	-.739	-2.96	1.3574	.016	1
S5	50.000	50.361	.361	.723	2.8188	.007	1
S1	2.0000	2.0627	.063	3.14	.11505	.001	1

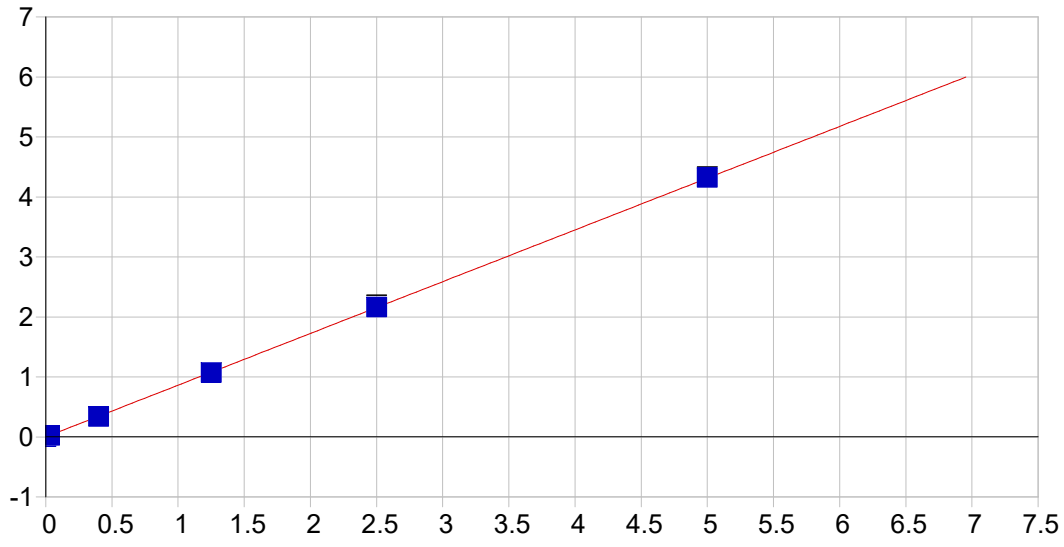


Cr 267.716 {126}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000123	Re-Slope:	1.000000
A1 (Gain):	0.224263	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999759	Status:	OK.
Std Error of Est:	0.000037		
Predicted MDL:	0.000518		
Predicted MQL:	0.001727		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00012	.000	1
S1	.01000	.01021	.000	2.09	.00217	.000	1
S3	.50000	.51347	.013	2.69	.11506	.000	1
S4	1.0000	.96887	-.031	-3.11	.21722	.001	1
S5	2.0000	2.0096	.010	.478	.45068	.001	1
S2	.16000	.16789	.008	4.93	.03754	.000	1

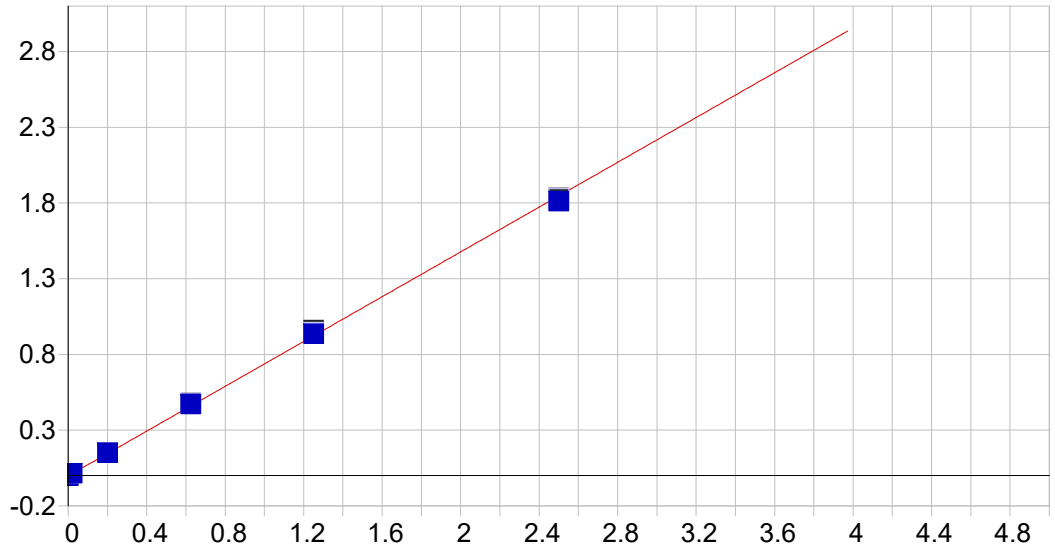


Co 228.616 {448}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000479	Re-Slope:	1.000000
A1 (Gain):	0.862553	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999987	Status:	OK.
Std Error of Est:	0.000088		
Predicted MDL:	0.000308		
Predicted MQL:	0.001026		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00048	.000	1
S1	.03000	.02946	-.001	-1.78	.02483	.000	1
S3	1.2500	1.2418	-.008	-.653	1.0725	.001	1
S4	2.5000	2.5050	.005	.201	2.1639	.034	1
S5	5.0000	5.0110	.011	.220	4.3291	.012	1
S2	.40000	.39266	-.007	-1.84	.33880	.002	1

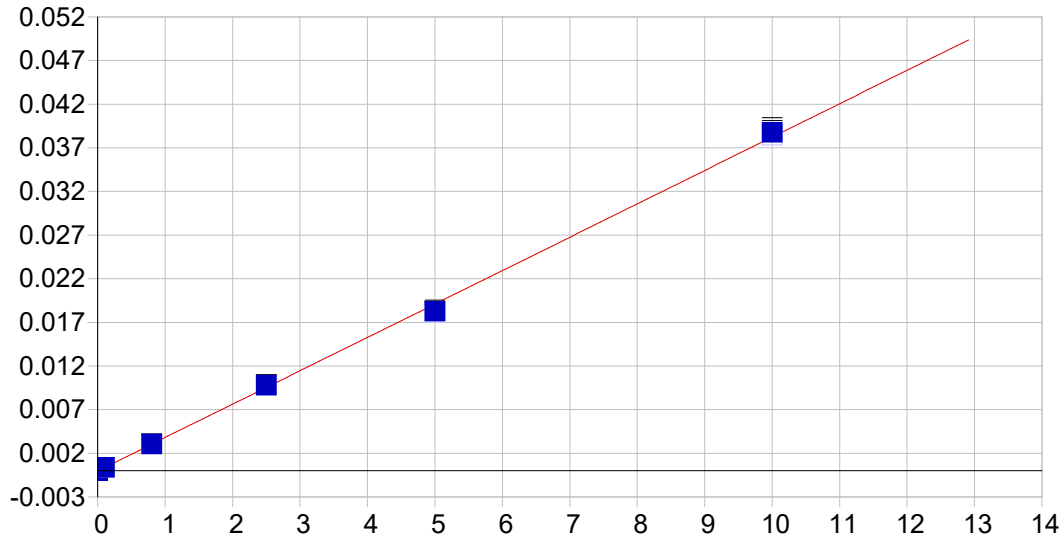


Cu 224.700 {450}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.002053	Re-Slope:	1.000000
A1 (Gain):	0.739410	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999746	Status:	OK.
Std Error of Est:	0.000198		
Predicted MDL:	0.000541		
Predicted MQL:	0.001804		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00206	.000	1
S1	.02000	.02283	.003	14.1	.01502	.000	1
S3	.62500	.64205	.017	2.73	.47728	.001	1
S4	1.2500	1.2708	.021	1.66	.94675	.014	1
S5	2.5000	2.4522	-.048	-1.91	1.8295	.004	1
S2	.20000	.20715	.007	3.58	.15259	.001	1

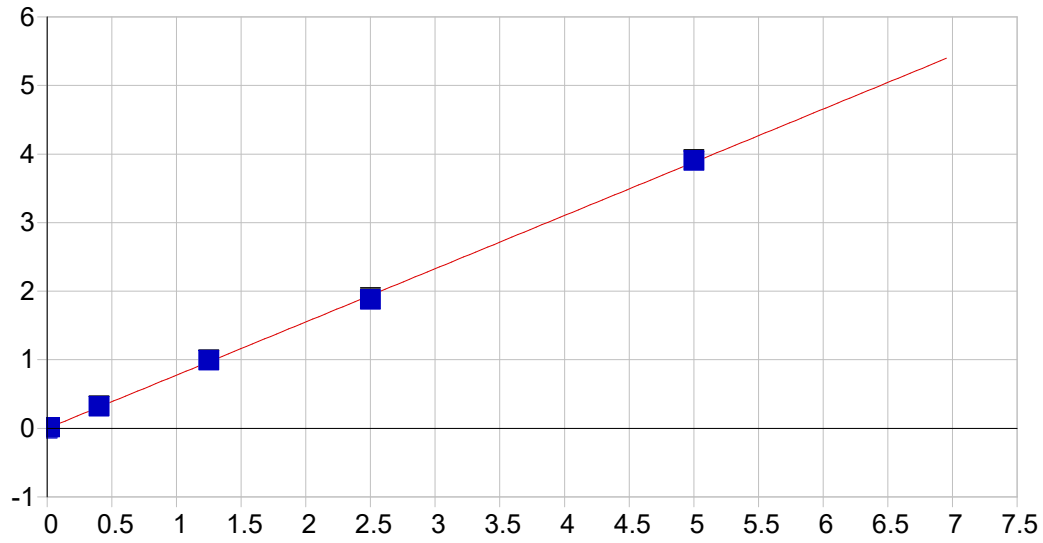


Fe 240.488 {140}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000025	Re-Slope:	1.000000
A1 (Gain):	0.003825	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999613	Status:	OK.
Std Error of Est:	0.000006		
Predicted MDL:	0.009994		
Predicted MQL:	0.033314		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00002	.000	1
S1	.10000	.10088	.001	.883	.00036	.000	1
S3	2.5000	2.5701	.070	2.80	.00972	.000	1
S4	5.0000	4.7776	-.222	-4.45	.01809	.000	1
S5	10.000	10.144	.144	1.44	.03845	.001	1
S2	.80000	.80734	.007	.917	.00304	.000	1

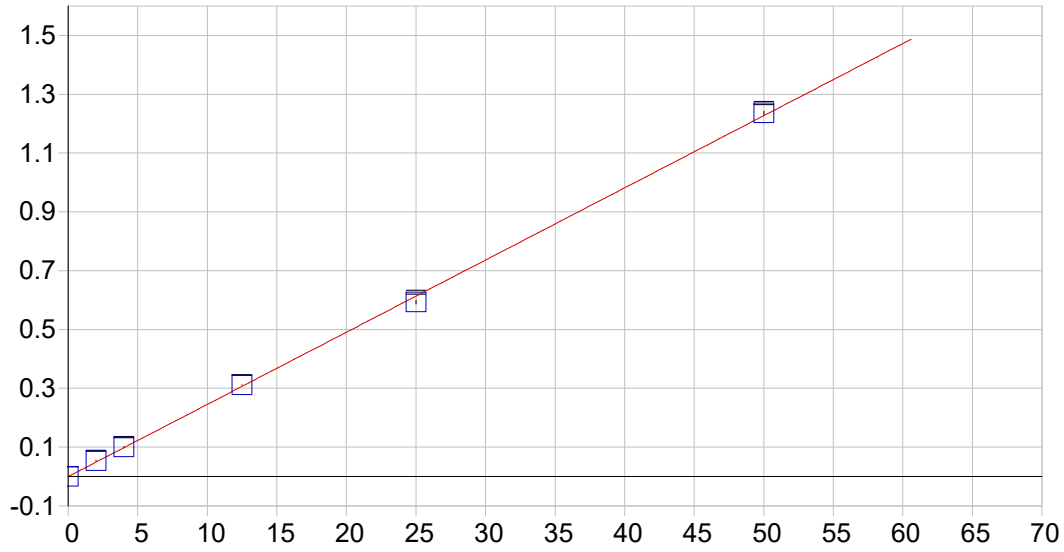


Mn 257.610 {131}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000563	Re-Slope:	1.000000
A1 (Gain):	0.776071	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999789	Status:	OK.
Std Error of Est:	0.000264		
Predicted MDL:	0.000582		
Predicted MQL:	0.001940		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00056	.000	1
S1	.02000	.02152	.002	7.61	.01614	.000	1
S3	1.2500	1.2785	.028	2.28	.99172	.004	1
S4	2.5000	2.4232	-.077	-3.07	1.8802	.021	1
S5	5.0000	5.0320	.032	.641	3.9051	.011	1
S2	.40000	.41477	.015	3.69	.32136	.002	1

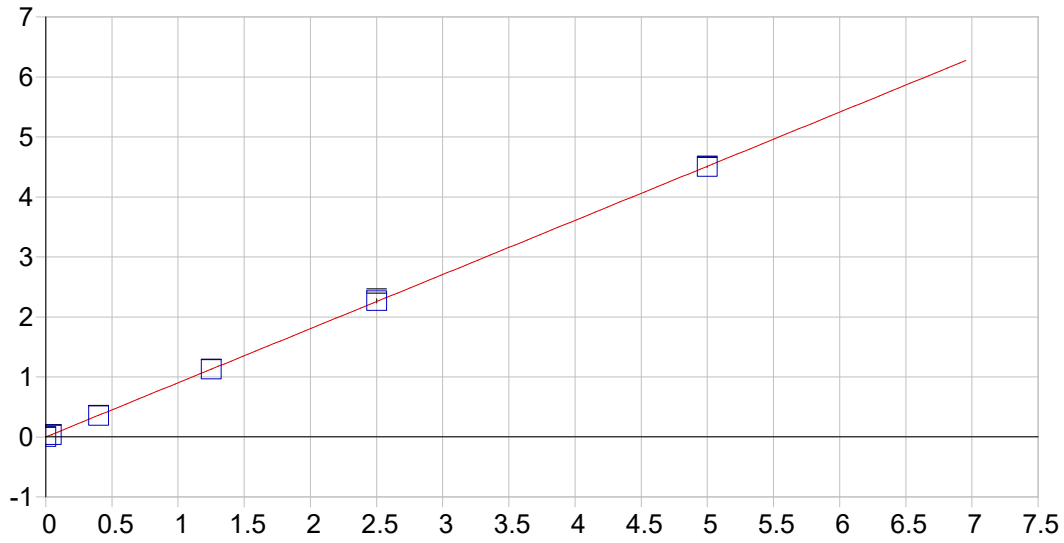


Mg 279.079 {121}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000258	Re-Slope:	1.000000
A1 (Gain):	0.024549	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999715	Status:	OK.
Std Error of Est:	0.000310		
Predicted MDL:	0.023072		
Predicted MQL:	0.076908		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00021	-.000	.000	-.00026	.000	1
S2	4.0000	4.0754	.075	1.89	.09979	.002	1
S3	12.500	12.681	.181	1.45	.31105	.001	1
S4	25.000	24.180	-.820	-3.28	.59332	.007	1
S5	50.000	50.365	.365	.731	1.2361	.005	1
S1	2.0000	2.1981	.198	9.91	.05370	.002	1

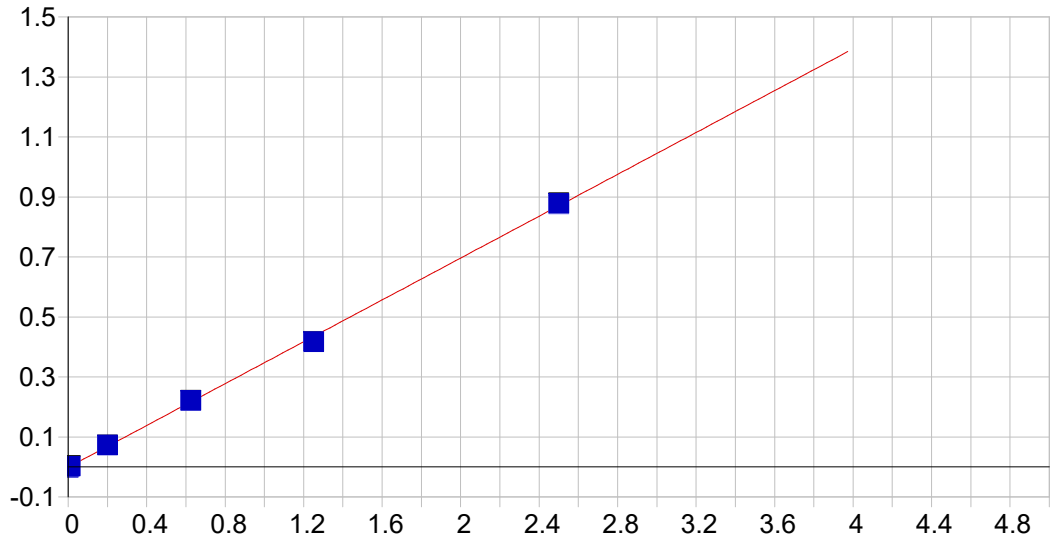


Ni 231.604 {446}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000140	Re-Slope:	1.000000
A1 (Gain):	0.902110	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999990	Status:	OK.
Std Error of Est:	0.000095		
Predicted MDL:	0.000328		
Predicted MQL:	0.001092		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00014	.000	1
S1	.04000	.03906	-.001	-2.36	.03537	.000	1
S3	1.2500	1.2491	-.001	-.069	1.1270	.002	1
S4	2.5000	2.5149	.015	.598	2.2689	.035	1
S5	5.0000	4.9916	-.008	-.167	4.5031	.011	1
S2	.40000	.39523	-.005	-1.19	.35668	.003	1

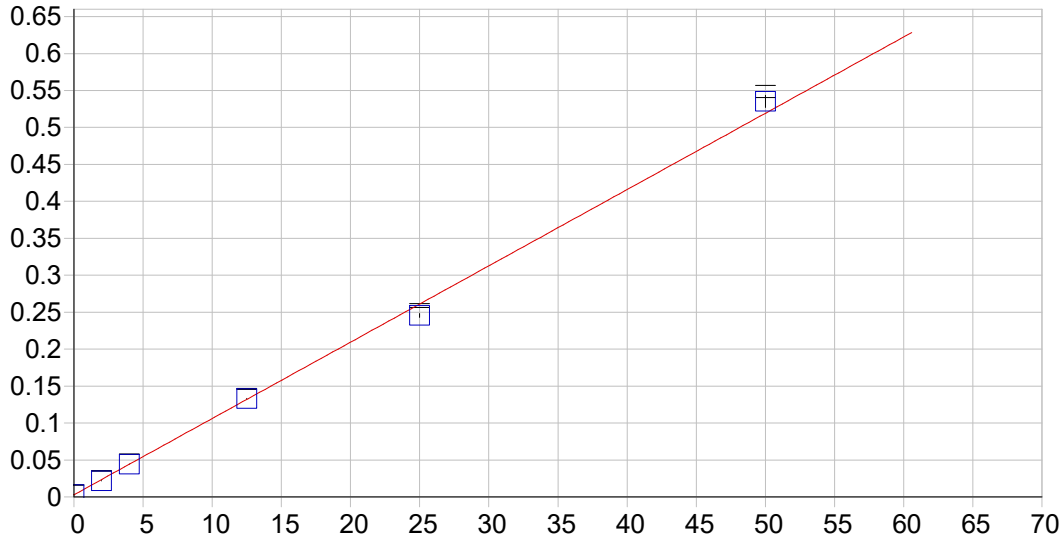


Ag 328.068 {103}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001447	Re-Slope:	1.000000
A1 (Gain):	0.348788	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999608	Status:	OK.
Std Error of Est:	0.000081		
Predicted MDL:	0.000599		
Predicted MQL:	0.001996		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00145	.000	1
S1	.01000	.01230	.002	23.0	.00282	.000	1
S3	.62500	.63890	.014	2.22	.22056	.000	1
S4	1.2500	1.2013	-.049	-3.90	.41587	.001	1
S5	2.5000	2.5211	.021	.844	.87453	.003	1
S2	.20000	.21140	.011	5.70	.07202	.000	1

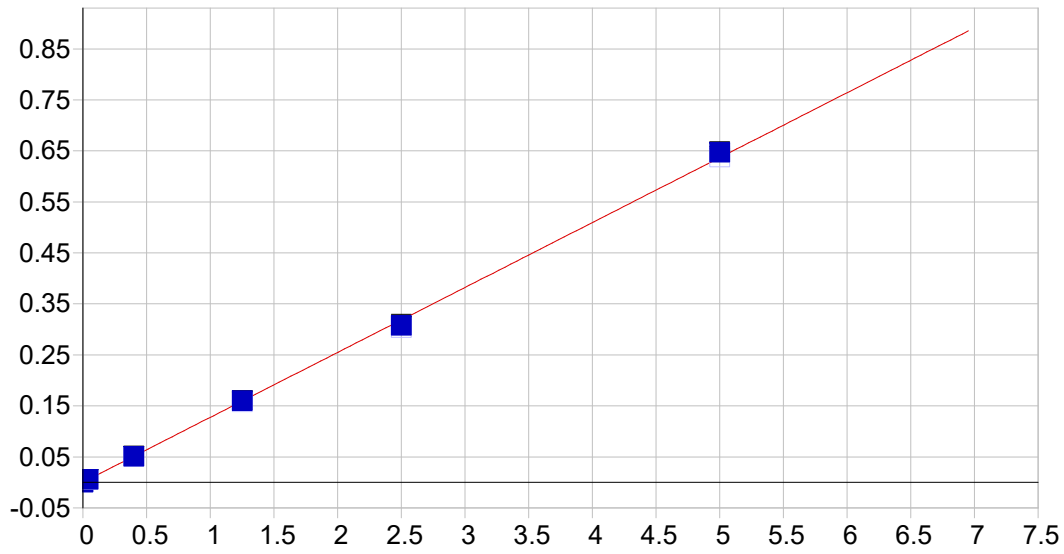


Na 589.592 { 57}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002879	Re-Slope:	1.000000
A1 (Gain):	0.010326	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999184	Status:	OK.
Std Error of Est:	0.000221		
Predicted MDL:	0.025954		
Predicted MQL:	0.086513		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00020	.000	.000	.00288	.000	1
S2	4.0000	4.0197	.020	.491	.04439	.000	1
S3	12.500	12.579	.079	.632	.13278	.001	1
S4	25.000	23.499	-1.50	-6.00	.24554	.002	1
S5	50.000	51.564	1.56	3.13	.53535	.008	1
S1	2.0000	1.8385	-.161	-8.07	.02186	.000	1

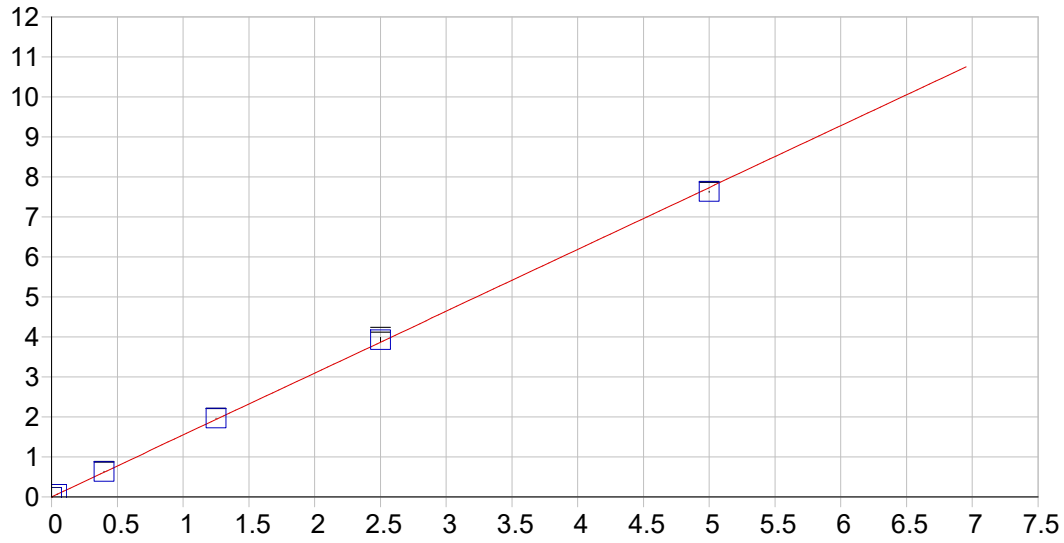


V 292.402 {115}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000305	Re-Slope:	1.000000
A1 (Gain):	0.127285	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999760	Status:	OK.
Std Error of Est:	0.000064		
Predicted MDL:	0.004645		
Predicted MQL:	0.015484		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00030	.001	1
S1	.04000	.04157	.002	3.92	.00541	.000	1
S3	1.2500	1.2537	.004	.293	.15756	.000	1
S4	2.5000	2.4144	-.086	-3.43	.30298	.002	1
S5	5.0000	5.0796	.080	1.59	.63758	.002	1
S2	.40000	.40081	.001	.202	.05058	.000	1

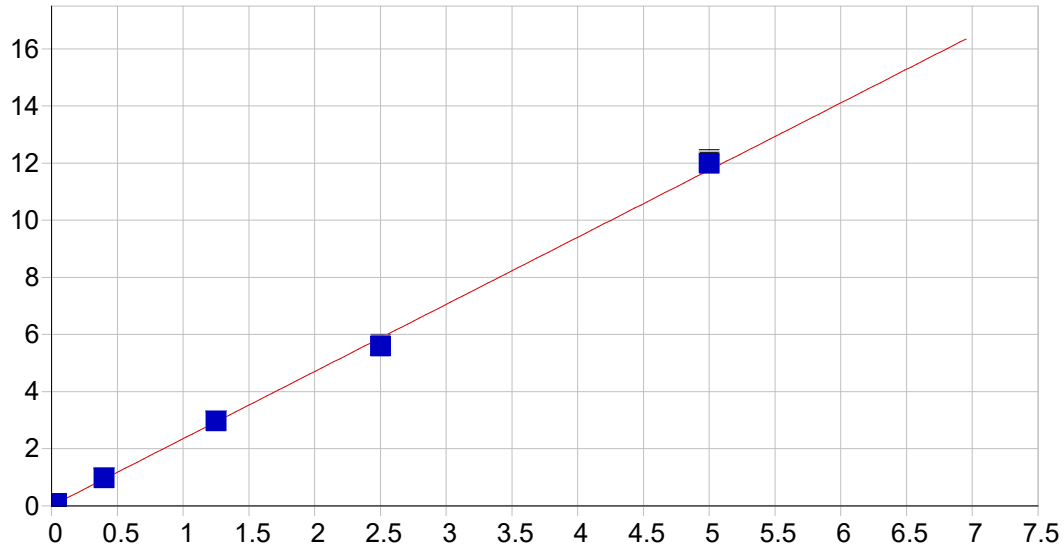


Zn 206.200 {464}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001279	Re-Slope:	1.000000
A1 (Gain):	1.546606	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999886	Status:	OK.
Std Error of Est:	0.000548		
Predicted MDL:	0.000151		
Predicted MQL:	0.000505		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00127	.000	1
S1	.04000	.04151	.002	3.77	.06548	.001	1
S3	1.2500	1.2695	.020	1.56	1.9647	.004	1
S4	2.5000	2.5397	.040	1.59	3.9292	.060	1
S5	5.0000	4.9313	-.069	-1.37	7.6280	.011	1
S2	.40000	.40798	.008	2.00	.63227	.006	1

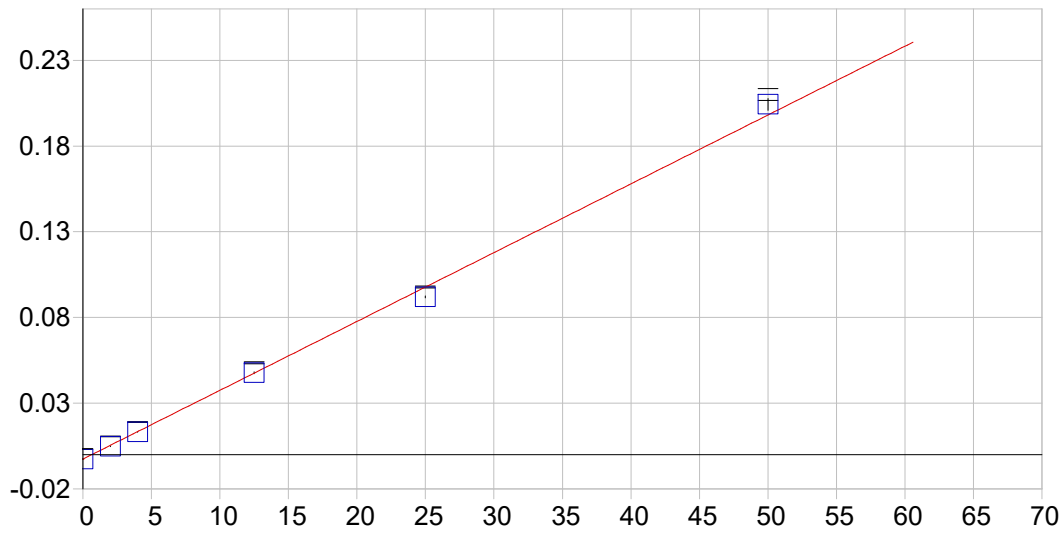


Zn 213.856 {158}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001731	Re-Slope:	1.000000
A1 (Gain):	2.351372	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999538	Status:	OK.
Std Error of Est:	0.001689		
Predicted MDL:	0.000367		
Predicted MQL:	0.001222		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00173	.000	1
S1	.04000	.04002	.000	.052	.09649	.001	1
S3	1.2500	1.2610	.011	.880	2.9873	.009	1
S4	2.5000	2.3769	-.123	-4.93	5.6315	.027	1
S5	5.0000	5.0971	.097	1.94	12.069	.054	1
S2	.40000	.41506	.015	3.76	.98422	.004	1

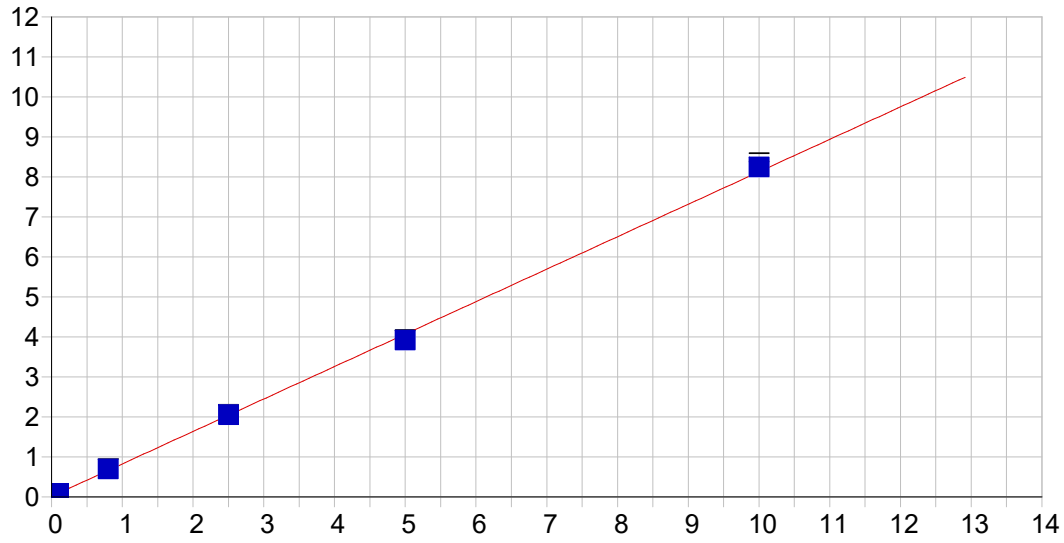


K 766.490 { 44}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.002625	Re-Slope:	1.000000
A1 (Gain):	0.004015	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999241	Status:	OK.
Std Error of Est:	0.000083		
Predicted MDL:	0.071086		
Predicted MQL:	0.236952		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00021	.000	.000	-.00262	.000	1
S2	4.0000	3.9588	-.041	-1.03	.01327	.000	1
S3	12.500	12.563	.063	.501	.04781	.001	1
S4	25.000	23.566	-1.43	-5.74	.09198	.001	1
S5	50.000	51.557	1.56	3.11	.20436	.003	1
S1	2.0000	1.8557	-.144	-7.21	.00482	.000	1

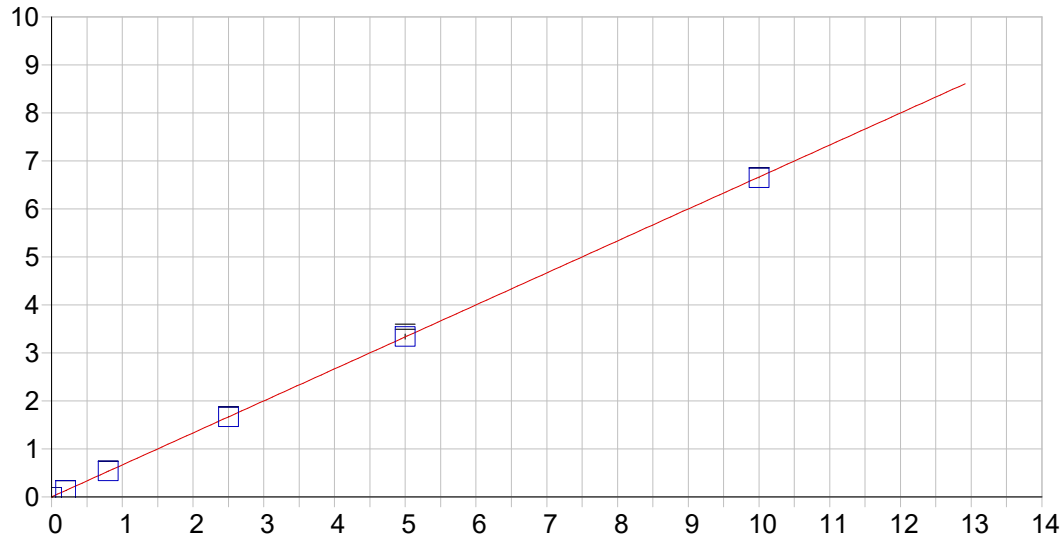


B 249.678 {135}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.013866	Re-Slope:	1.000000
A1 (Gain):	0.811391	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999672	Status:	OK.
Std Error of Est:	0.001089		
Predicted MDL:	0.001148		
Predicted MQL:	0.003827		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.01387	.001	1
S1	.10000	.09007	-.010	-9.93	.08660	.001	1
S3	2.5000	2.5127	.013	.510	2.0487	.010	1
S4	5.0000	4.8129	-.187	-3.74	3.9111	.008	1
S5	10.000	10.146	.146	1.46	8.2301	.105	1
S2	.80000	.83854	.039	4.82	.69298	.007	1

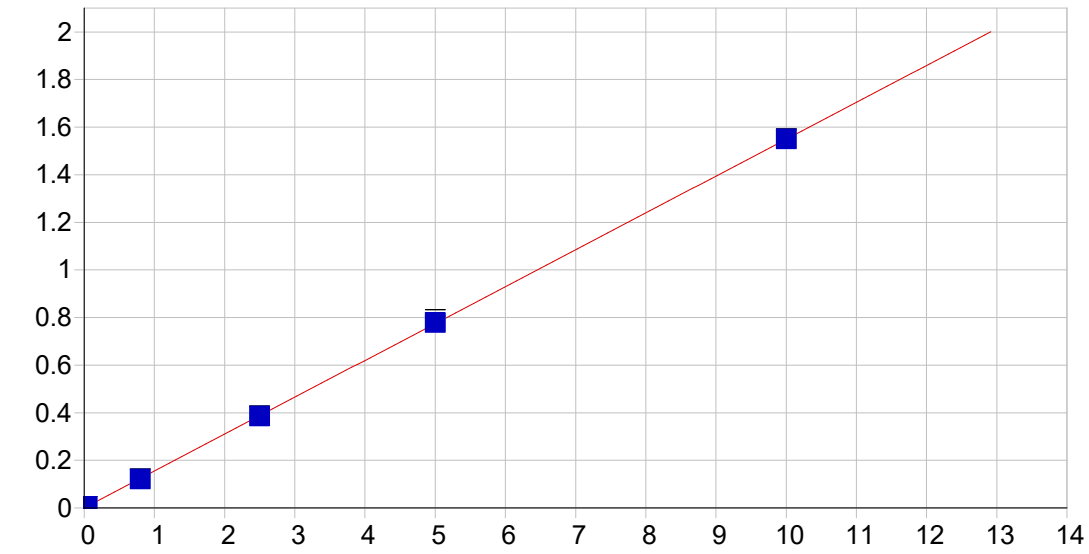


Mo 202.030 {467}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000537	Re-Slope:	1.000000
A1 (Gain):	0.666485	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999994	Status:	OK.
Std Error of Est:	0.000165		
Predicted MDL:	0.000369		
Predicted MQL:	0.001230		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00054	.000	1
S1	.20000	.19899	-.001	-.506	.13316	.001	1
S3	2.5000	2.5037	.004	.147	1.6692	.004	1
S4	5.0000	5.0142	.014	.285	3.3425	.053	1
S5	10.000	9.9747	-.025	-.253	6.6485	.003	1
S2	.80000	.80842	.008	1.05	.53934	.004	1

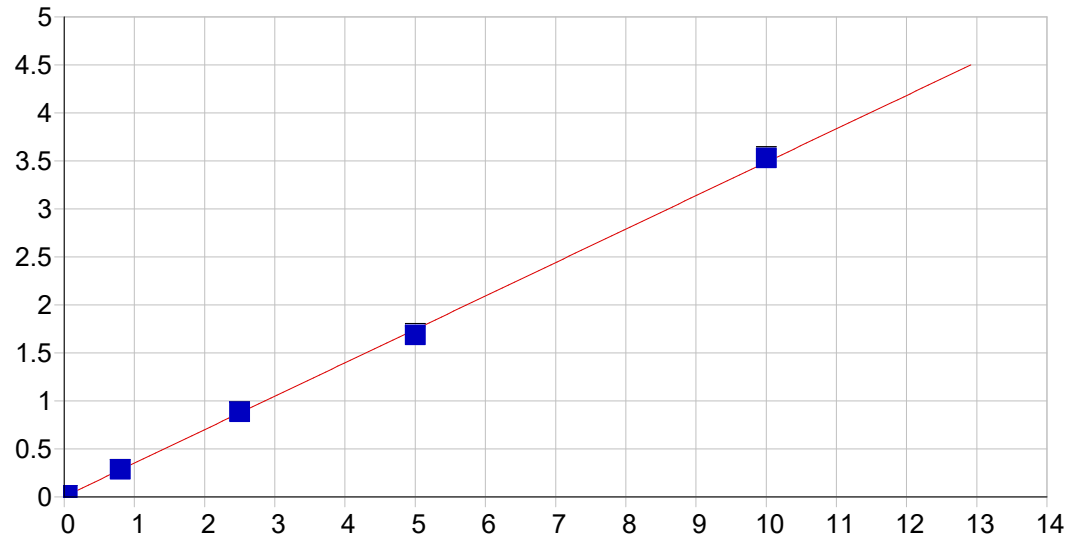


Sn 189.989 {478}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000407	Re-Slope:	1.000000
A1 (Gain):	0.154872	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999975	Status:	OK.
Std Error of Est:	0.000037		
Predicted MDL:	0.000725		
Predicted MQL:	0.002418		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00041	.000	1
S1	.04000	.03754	-.002	-6.15	.00621	.000	1
S3	2.5000	2.4874	-.013	-.505	.38523	.000	1
S4	5.0000	5.0253	.025	.507	.77790	.013	1
S5	10.000	10.011	.011	.112	1.5493	.001	1
S2	.80000	.77857	-.021	-2.68	.12086	.001	1

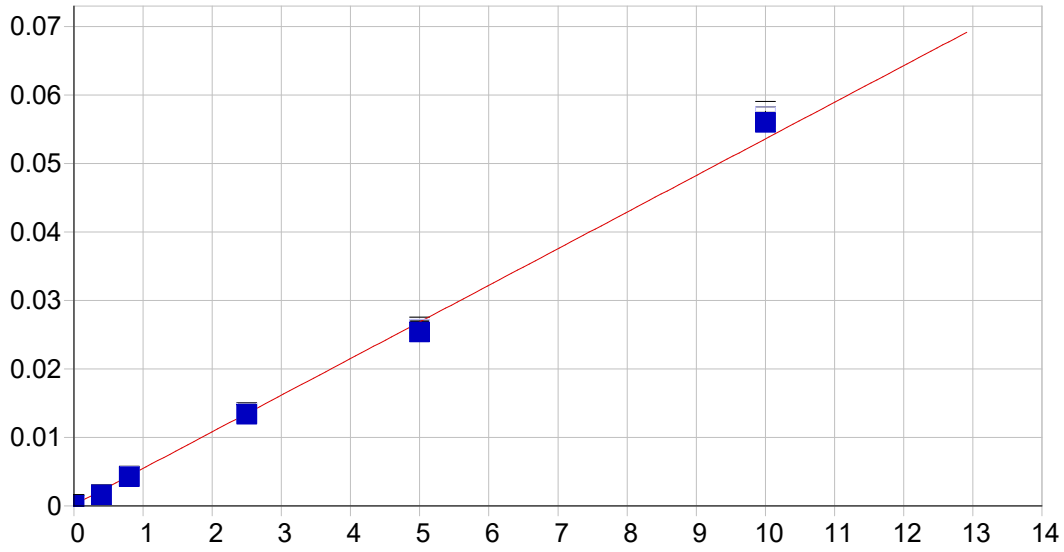


Ti 336.121 {100}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.003857	Re-Slope:	1.000000
A1 (Gain):	0.348183	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999787	Status:	OK.
Std Error of Est:	0.000238		
Predicted MDL:	0.002308		
Predicted MQL:	0.007694		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00386	.001	1
S1	.04000	.03709	-.003	-7.27	.01676	.001	1
S3	2.5000	2.5309	.031	1.24	.88475	.002	1
S4	5.0000	4.8346	-.165	-3.31	1.6866	.018	1
S5	10.000	10.129	.129	1.29	3.5293	.013	1
S2	.80000	.80843	.008	1.05	.28524	.002	1

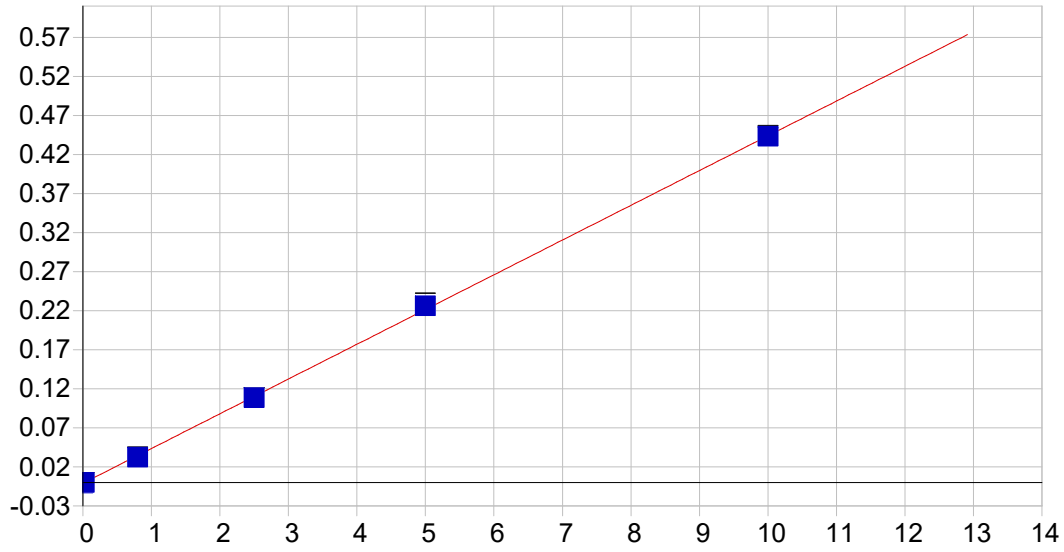


Si 288.158 {117}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000127	Re-Slope:	1.000000
A1 (Gain):	0.005347	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998049	Status:	OK.
Std Error of Est:	0.000036		
Predicted MDL:	0.013574		
Predicted MQL:	0.045248		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00015	.000	.000	.00013	.000	1
S1	.40000	.27593	-.124	-31.0	.00161	.000	1
S3	2.5000	2.4758	-.024	-.968	.01357	.000	1
S4	5.0000	4.7238	-.276	-5.52	.02579	.000	1
S5	10.000	10.451	.451	4.51	.05681	.001	1
S2	.80000	.77219	-.028	-3.48	.00432	.000	1

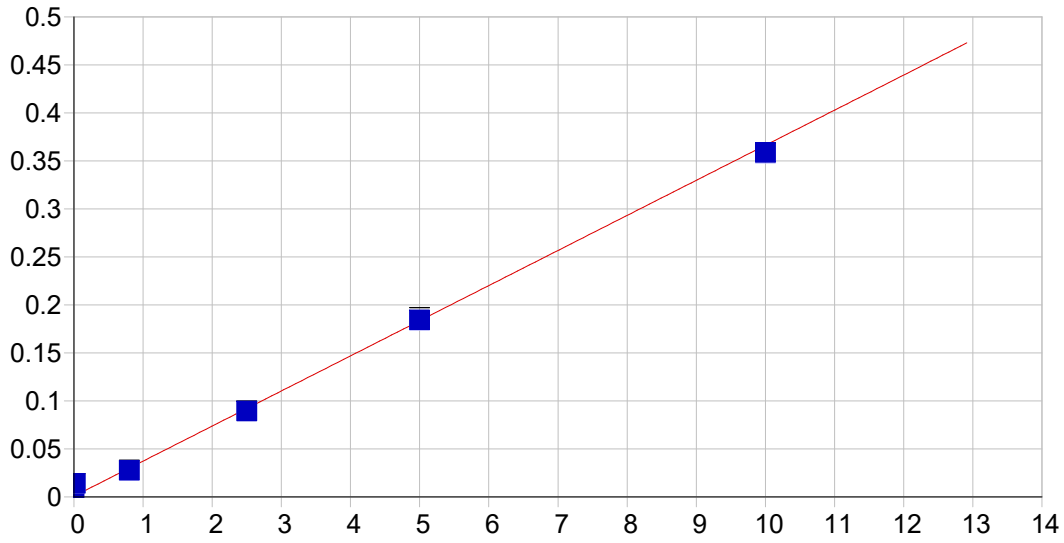


P 177.495 {490}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001006	Re-Slope:	1.000000
A1 (Gain):	0.044486	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999825	Status:	OK.
Std Error of Est:	0.000020		
Predicted MDL:	0.002031		
Predicted MQL:	0.006770		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00101	.000	1
S1	.02000	.02096	.001	4.81	-.00007	.000	1
S3	2.5000	2.4641	-.036	-1.44	.10859	.000	1
S4	5.0000	5.1041	.104	2.08	.22602	.004	1
S5	10.000	9.9850	-.015	-.150	.44311	.001	1
S2	.80000	.74588	-.054	-6.76	.03217	.000	1

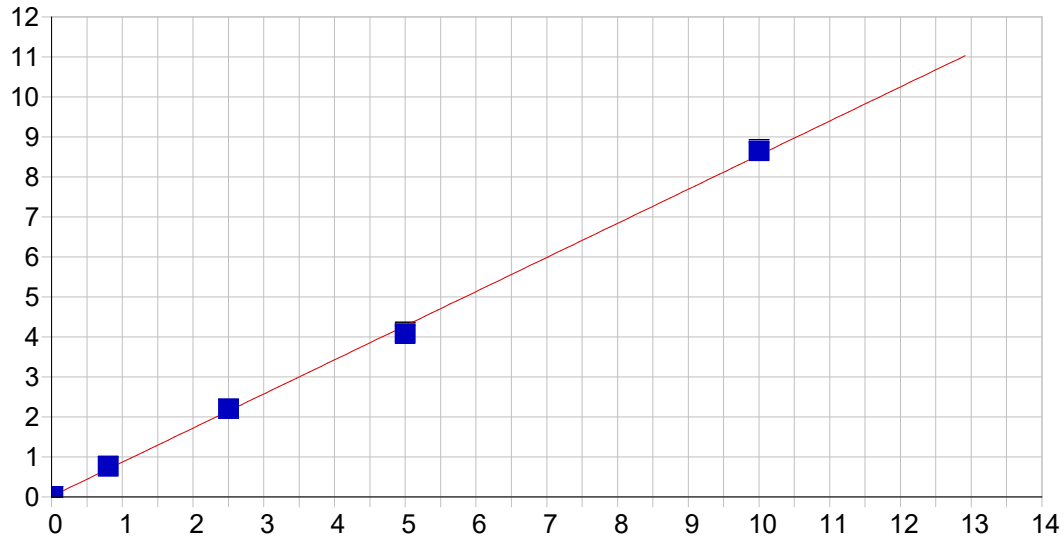


S 182.034 {485}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000714	Re-Slope:	1.000000
A1 (Gain):	0.036562	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.867445	Status:	OK.
Std Error of Est:	0.000490		
Predicted MDL:	0.002902		
Predicted MQL:	0.009672		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00034	-.000	.000	.00070	.000	1
S1	.02000	.36574	.346	1730.	.01406	.000	1
S3	2.5000	2.4258	-.074	-2.97	.08917	.000	1
S4	5.0000	5.0195	.020	.390	.18376	.003	1
S5	10.000	9.7893	-.211	-2.11	.35768	.000	1
S2	.80000	.73354	-.066	-8.31	.02746	.000	1

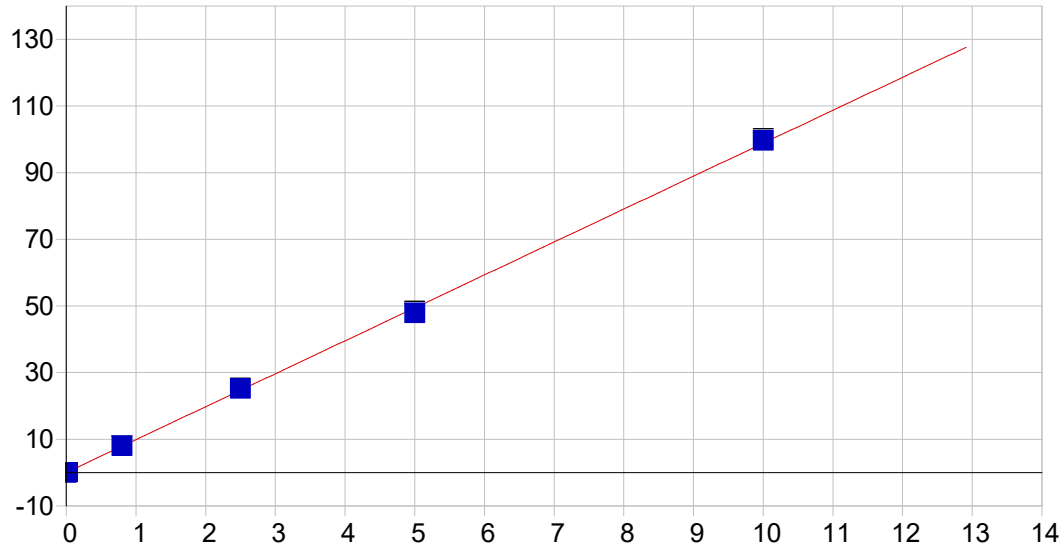


Li 670.784 { 50}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.014875	Re-Slope:	1.000000
A1 (Gain):	0.852996	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998773	Status:	OK.
Std Error of Est:	0.000992		
Predicted MDL:	0.002697		
Predicted MQL:	0.008990		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.01489	.002	1
S5	10.000	10.120	.120	1.20	8.6551	.036	1
S4	5.0000	4.7664	-.234	-4.67	4.0844	.038	1
S3	2.5000	2.5654	.065	2.62	2.2051	.006	1
S1	.02000	-.00227	-.022	-111.	.01325	.001	1
S2	.80000	.87064	.071	8.83	.75814	.009	1

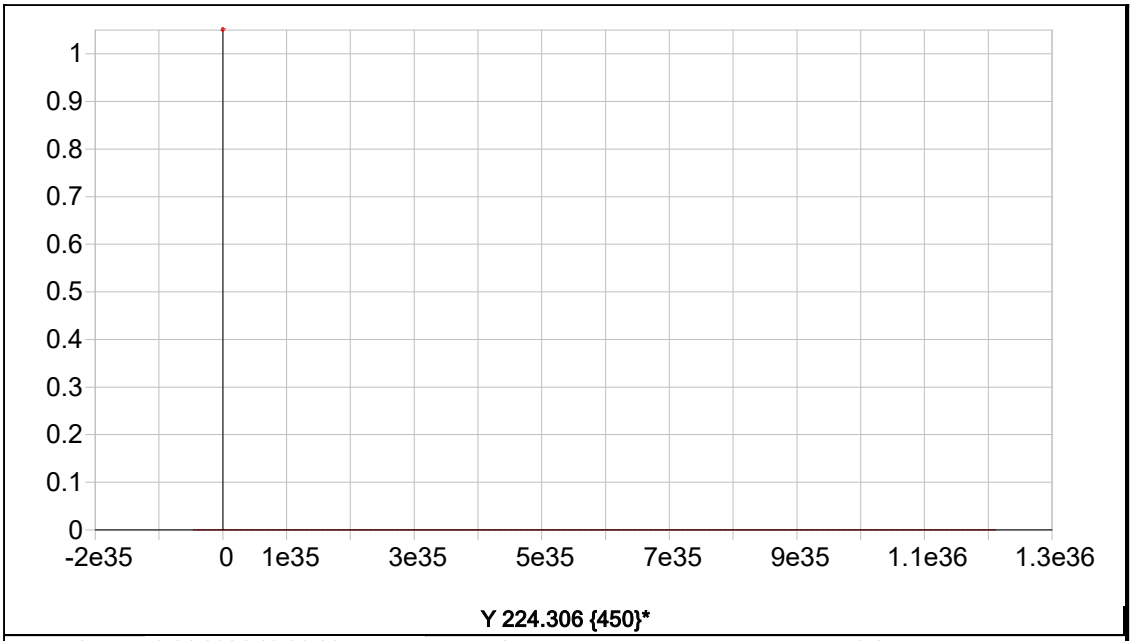


Sr 407.771 { 83}

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000442	Re-Slope:	1.000000
A1 (Gain):	9.884222	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999809	Status:	OK.
Std Error of Est:	0.004528		
Predicted MDL:	0.000147		
Predicted MQL:	0.000491		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00045	.001	1
S1	.02000	.02053	.001	2.64	.20346	.003	1
S3	2.5000	2.5535	.054	2.14	25.264	.058	1
S4	5.0000	4.8455	-.154	-3.09	47.943	.510	1
S5	10.000	10.083	.083	.831	99.762	.449	1
S2	.80000	.81737	.017	2.17	8.0865	.081	1

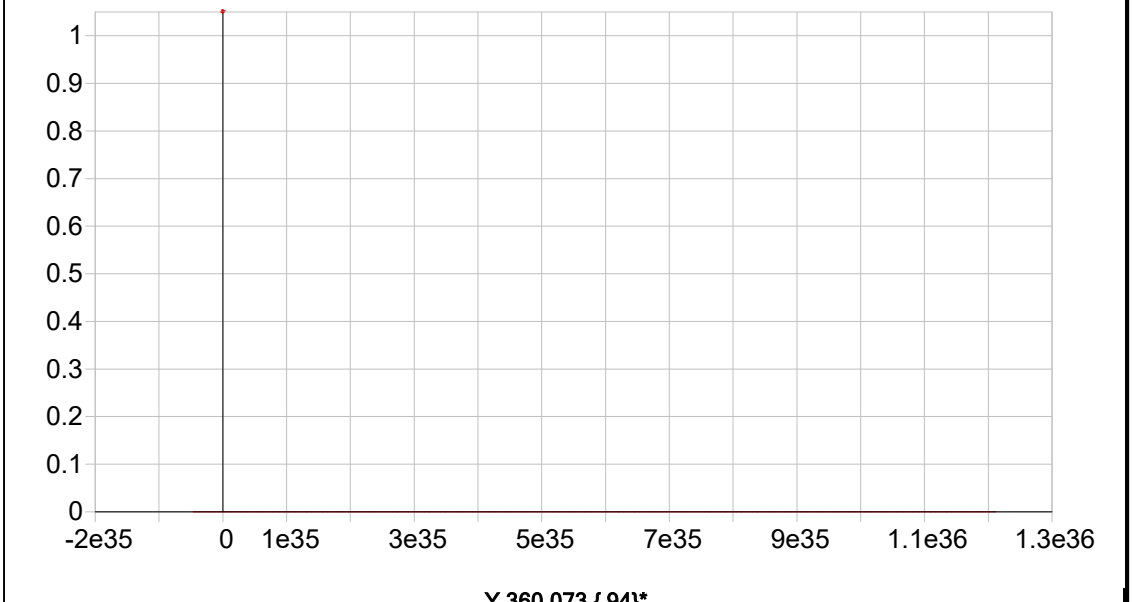


Y 224.306 {450}*

Date of Fit:	8/24/2024 13:22:22	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	0.000000		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



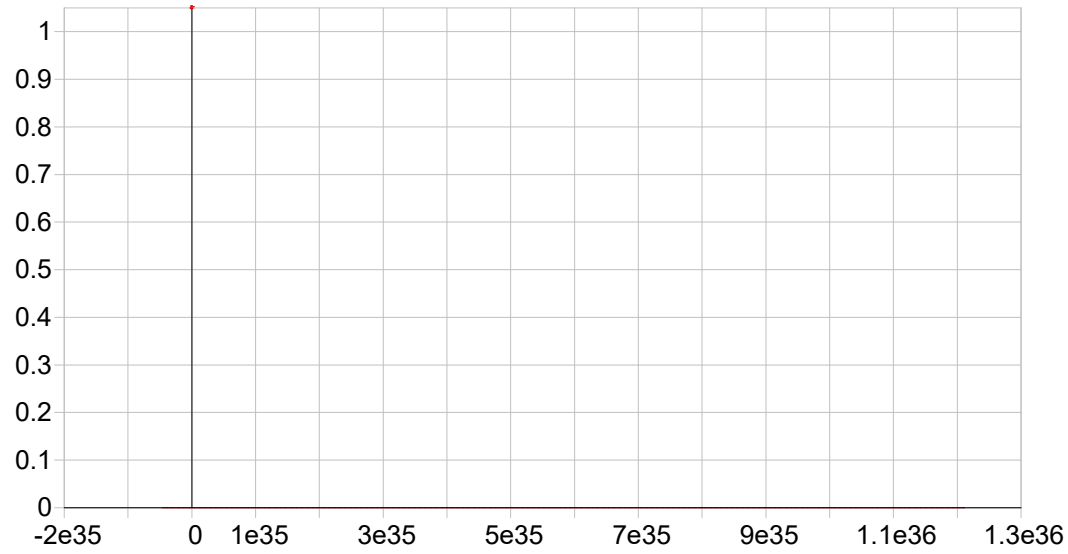
Y 360.073 { 94}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000

A2 (Curvature):	0.000000					
n (Exponent):	1.000000					
Correlation:	0.000000		Status:	Warning	Zero Gain	
Std Error of Est:	0.000000					
Predicted MDL:	n/a					
Predicted MQL:	n/a					

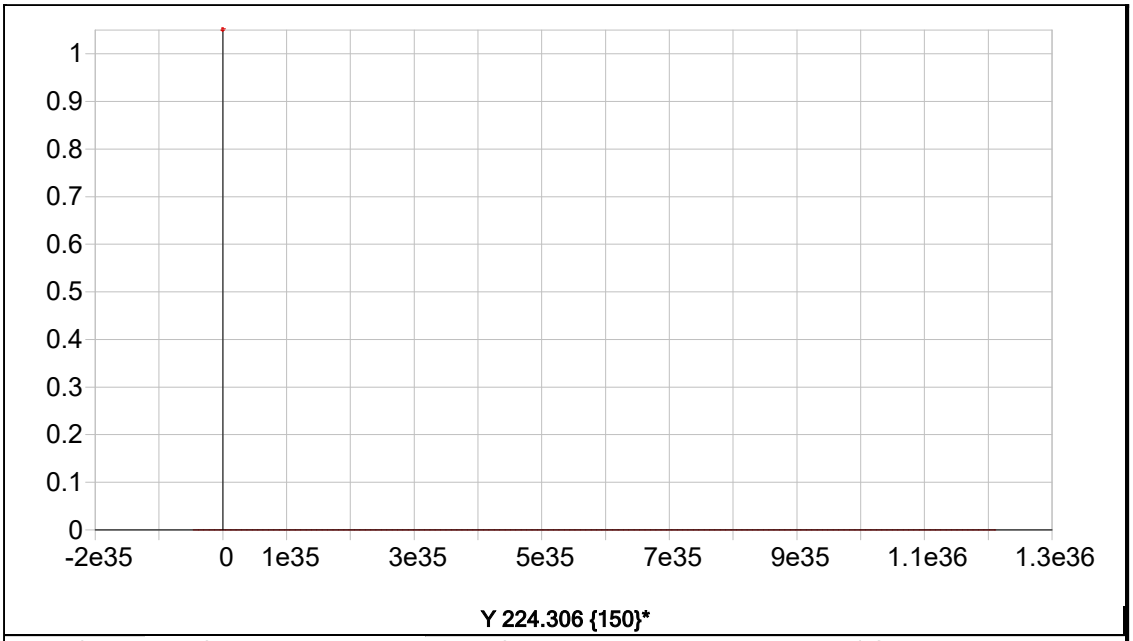
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Y 371.030 { 91}*

Date of Fit:	<not fit>		Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):		0.000000		Re-Slope:	1.000000	
A1 (Gain):		0.000000		Y-int:	0.000000	
A2 (Curvature):		0.000000				
n (Exponent):		1.000000				
Correlation:		0.000000		Status:	Warning	Zero Gain
Std Error of Est:		0.000000				
Predicted MDL:		n/a				
Predicted MQL:		n/a				

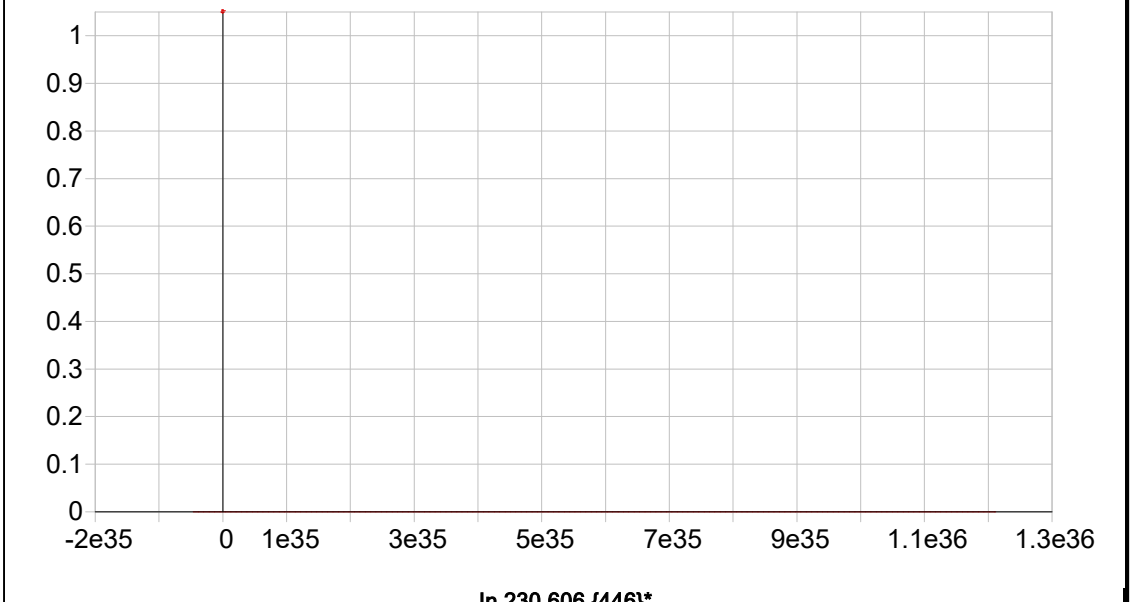
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Y 224.306 {150}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



In 230.606 {446}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	

A2 (Curvature):		0.000000					
n (Exponent):		1.000000					
Correlation:		0.000000		Status:	Warning	Zero Gain	
Std Error of Est:		0.000000					
Predicted MDL:		n/a					
Predicted MQL:		n/a					
Std. Name	**Stated Conc.**	**Found Conc.**	**Difference**	**% Diff.**	**(S)IR**	**Std Dev**	**Emphasis**

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: S0 Acquired: 8/24/2024 9:57:20 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00001	.00071	.00036	.00045	.00016	.00121	.12317	.00085
Stddev	.00008	.00010	.00027	.00013	.00008	.00097	.00199	.00046
%RSD	639.55	14.515	76.549	29.312	49.410	79.935	1.6194	53.764
#1	-.00010	.00059	.00047	.00058	.00025	.00217	.12304	.00138
#2	.00004	.00076	.00056	.00044	.00009	.00023	.12125	.00060
#3	.00003	.00077	.00005	.00032	.00014	.00124	.12523	.00057

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00073	-.00069	-.00012	-.00048	-.00206	-.00002	-.00056	-.00026
Stddev	.00010	.00074	.00009	.00008	.00007	.00004	.00023	.00031
%RSD	14.151	107.97	69.660	16.313	3.5230	171.79	40.874	116.55
#1	.00069	-.00116	-.00011	-.00049	-.00199	.00000	-.00072	-.00003
#2	.00085	.00017	-.00005	-.00055	-.00213	-.00007	-.00030	-.00061
#3	.00065	-.00108	-.00022	-.00040	-.00204	-.00000	-.00068	-.00015

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00014	-.00145	.00288	.00030	.00173	-.00262	.01387	.00054
Stddev	.00040	.00021	.00034	.00056	.00034	.00029	.00090	.00008
%RSD	285.18	14.682	11.713	182.95	19.871	10.870	6.4609	14.019
#1	.00030	-.00133	.00265	.00003	.00143	-.00295	.01329	.00045
#2	-.00032	-.00132	.00273	-.00006	.00211	-.00249	.01342	.00059
#3	.00044	-.00169	.00327	.00095	.00165	-.00243	.01490	.00057

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00041	.00386	.00013	-.00101	.00070	.01489	-.00045
Stddev	.00007	.00071	.00005	.00004	.00005	.00246	.00146
%RSD	17.398	18.378	37.813	3.6369	7.0660	16.547	322.93
#1	.00049	.00459	.00010	-.00100	.00076	.01632	.00063
#2	.00036	.00317	.00018	-.00097	.00069	.01205	-.00211
#3	.00037	.00381	.00010	-.00104	.00066	.01631	.00013

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: S0 Acquired: 8/24/2024 9:57:20 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4215.4	63176.	5902.0	3559.4	6395.4
Stddev	18.1	143.	101.3	11.0	30.5
%RSD	.43015	.22626	1.7170	.30906	.47702
#1	4198.4	63314.	5978.4	3569.3	6367.5
#2	4234.5	63187.	5940.7	3561.2	6428.0
#3	4213.2	63028.	5787.1	3547.6	6390.9

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: S1 Acquired: 8/24/2024 10:01:38 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00116	.00395	.00365	.00220	.00743	.00917	.28994	.07088
Stddev	.00005	.00010	.00028	.00006	.00022	.00148	.00183	.00018
%RSD	4.2222	2.5939	7.6950	2.6968	2.9301	16.178	.63053	.25063
#1	.00113	.00406	.00378	.00221	.00718	.01077	.29169	.07109
#2	.00122	.00395	.00333	.00226	.00754	.00889	.28804	.07080
#3	.00114	.00385	.00385	.00214	.00756	.00785	.29009	.07077

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.01895	.11505	.00217	.02483	.01502	.00036	.01614	.05370
Stddev	.00037	.00084	.00004	.00019	.00032	.00005	.00039	.00156
%RSD	1.9628	.73035	1.6693	.78061	2.1393	13.000	2.3857	2.9089
#1	.01915	.11413	.00214	.02475	.01521	.00038	.01571	.05547
#2	.01917	.11523	.00221	.02505	.01520	.00030	.01626	.05312
#3	.01852	.11578	.00216	.02468	.01465	.00038	.01645	.05251

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.03537	.00282	.02186	.00541	.09649	.00482	.08660	.13316
Stddev	.00024	.00022	.00029	.00002	.00124	.00010	.00115	.00147
%RSD	.67147	7.7339	1.3258	.27758	1.2877	2.0510	1.3287	1.1064
#1	.03564	.00294	.02214	.00542	.09540	.00481	.08724	.13260
#2	.03518	.00257	.02189	.00540	.09624	.00493	.08527	.13483
#3	.03530	.00295	.02156	.00539	.09784	.00474	.08728	.13205

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00621	.01676	.00161	-.00007	.01406	.01325	.20346
Stddev	.00013	.00078	.00005	.00008	.00023	.00114	.00292
%RSD	2.0502	4.6382	2.8685	110.17	1.6423	8.6383	1.4375
#1	.00614	.01757	.00157	-.00013	.01419	.01396	.20108
#2	.00636	.01602	.00159	.00002	.01419	.01386	.20673
#3	.00614	.01670	.00166	-.00010	.01379	.01193	.20257

Sample Name: S1 Acquired: 8/24/2024 10:01:38 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4255.2	63319.	6086.0	3581.4	6403.9
Stddev	33.7	636.	37.2	37.9	51.5
%RSD	.79274	1.0049	.61190	1.0579	.80362
#1	4268.3	62910.	6048.4	3552.7	6420.4
#2	4216.8	62995.	6086.5	3567.3	6346.1
#3	4280.3	64052.	6122.9	3624.4	6445.0

Sample Name: S2 Acquired: 8/24/2024 10:05:53 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.04438	.06988	.19191	.07017	.11515	.10887	2.8196	.48545
Stddev	.00043	.00084	.00118	.00053	.00052	.00135	.0327	.00325
%RSD	.96908	1.2084	.61476	.76167	.44982	1.2362	1.1583	.66972
#1	.04486	.07051	.19297	.07073	.11575	.10795	2.7894	.48279
#2	.04402	.06892	.19064	.06966	.11485	.10825	2.8150	.48449
#3	.04427	.07021	.19212	.07011	.11485	.11041	2.8543	.48908

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.1498	.22954	.03754	.33880	.15259	.00304	.32136	.09979
Stddev	.0097	.00175	.00020	.00213	.00099	.00003	.00210	.00216
%RSD	.84682	.76138	.52761	.62911	.65073	.99540	.65402	2.1665
#1	1.1596	.22780	.03742	.34106	.15368	.00300	.31980	.09832
#2	1.1401	.22951	.03743	.33684	.15175	.00305	.32053	.09877
#3	1.1497	.23130	.03777	.33849	.15233	.00306	.32375	.10227

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.35668	.07202	.04439	.05058	.98422	.01327	.69298	.53934
Stddev	.00307	.00011	.00037	.00040	.00362	.00019	.00745	.00391
%RSD	.86138	.15175	.82493	.79343	.36795	1.4629	1.0750	.72452
#1	.35983	.07208	.04411	.05013	.98107	.01347	.68828	.54365
#2	.35370	.07208	.04426	.05090	.98341	.01308	.68909	.53603
#3	.35651	.07189	.04480	.05070	.98818	.01325	.70157	.53833

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.12086	.28524	.00432	.03217	.02746	.75814	8.0865
Stddev	.00124	.00231	.00001	.00033	.00031	.00862	.0812
%RSD	1.0275	.80907	.27481	1.0119	1.1361	1.1370	1.0036
#1	.12208	.28372	.00431	.03253	.02778	.74976	8.0068
#2	.11960	.28410	.00433	.03190	.02716	.75768	8.0838
#3	.12089	.28789	.00433	.03208	.02744	.76698	8.1690

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: S2 Acquired: 8/24/2024 10:05:53 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4340.2	59307.	5961.7	3415.5	6440.0
Stddev	36.0	305.	68.9	17.3	55.3
%RSD	.82958	.51408	1.1558	.50614	.85859
#1	4298.6	59640.	6016.4	3432.1	6377.0
#2	4361.9	59239.	5984.3	3416.8	6480.8
#3	4360.0	59041.	5884.3	3397.6	6462.1

Sample Name: S3 Acquired: 8/24/2024 10:10:02 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.14159	.21619	.60478	.22178	.36241	.32955	8.6184	1.4372
Stddev	.00059	.00141	.00202	.00066	.00094	.00313	.0240	.0095
%RSD	.41729	.65424	.33359	.29715	.25986	.94872	.27899	.66105
#1	.14216	.21494	.60646	.22232	.36320	.32779	8.5947	1.4264
#2	.14162	.21591	.60533	.22104	.36137	.33316	8.6428	1.4409
#3	.14098	.21772	.60254	.22196	.36266	.32771	8.6177	1.4443

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.6893	.71052	.11506	1.0725	.47728	.00972	.99172	.31105
Stddev	.0042	.00341	.00037	.0011	.00117	.00007	.00424	.00107
%RSD	.11471	.48000	.31872	.10402	.24545	.71339	.42755	.34555
#1	3.6942	.71094	.11542	1.0735	.47863	.00974	.99000	.31022
#2	3.6872	.71370	.11507	1.0728	.47657	.00978	.99655	.31226
#3	3.6865	.70692	.11469	1.0713	.47663	.00965	.98862	.31065

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.1270	.22056	.13278	.15756	2.9873	.04781	2.0487	1.6692
Stddev	.0021	.00027	.00063	.00049	.0095	.00053	.0099	.0041
%RSD	.19000	.12286	.47443	.30879	.31771	1.1177	.48390	.24780
#1	1.1294	.22053	.13305	.15706	2.9978	.04827	2.0379	1.6732
#2	1.1264	.22084	.13322	.15759	2.9845	.04793	2.0510	1.6650
#3	1.1252	.22030	.13206	.15803	2.9795	.04722	2.0573	1.6694

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.38523	.88475	.01357	.10859	.08917	2.2051	25.264
Stddev	.00024	.00200	.00007	.00020	.00019	.0060	.058
%RSD	.06111	.22616	.52118	.18269	.21685	.27105	.23059
#1	.38517	.88330	.01352	.10872	.08936	2.1982	25.231
#2	.38504	.88704	.01365	.10870	.08898	2.2088	25.331
#3	.38550	.88392	.01353	.10836	.08916	2.2083	25.230

Sample Name: S3 Acquired: 8/24/2024 10:10:02 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4159.0	58731.	6071.5	3353.5	5997.8
Stddev	17.8	80.	23.6	3.3	24.0
%RSD	.42838	.13586	.38853	.09941	.40067
#1	4140.9	58716.	6098.7	3357.3	5976.9
#2	4159.6	58661.	6059.4	3351.9	5992.3
#3	4176.5	58818.	6056.4	3351.2	6024.1

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: S4 Acquired: 8/24/2024 10:14:06 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.28566	.43447	1.2208	.44716	.72518	.62904	16.445	2.7191
Stddev	.00455	.01039	.0190	.00711	.01151	.00514	.184	.0091
%RSD	1.5937	2.3911	1.5560	1.5897	1.5869	.81634	1.1209	.33289
#1	.28041	.42255	1.1988	.43899	.71192	.62462	16.294	2.7222
#2	.28847	.43922	1.2313	.45063	.73109	.62782	16.390	2.7089
#3	.28810	.44163	1.2322	.45187	.73253	.63467	16.650	2.7262

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.4768	1.3574	.21722	2.1639	.94675	.01809	1.8802	.59332
Stddev	.1161	.0161	.00075	.0345	.01369	.00015	.0212	.00671
%RSD	1.5522	1.1859	.34454	1.5935	1.4464	.80873	1.1274	1.1315
#1	7.3429	1.3444	.21797	2.1241	.93103	.01795	1.8627	.58906
#2	7.5393	1.3525	.21647	2.1826	.95608	.01806	1.8742	.58984
#3	7.5481	1.3754	.21723	2.1850	.95314	.01824	1.9038	.60106

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.2689	.41587	.24554	.30298	5.6315	.09198	3.9111	3.3425
Stddev	.0348	.00099	.00240	.00236	.0271	.00063	.0080	.0535
%RSD	1.5354	.23713	.97614	.78021	.48167	.68620	.20506	1.6002
#1	2.2287	.41694	.24315	.30059	5.6595	.09129	3.9121	3.2807
#2	2.2880	.41568	.24554	.30303	5.6298	.09213	3.9027	3.3722
#3	2.2900	.41500	.24795	.30531	5.6053	.09253	3.9186	3.3745

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.77790	1.6866	.02579	.22602	.18376	4.0844	47.943
Stddev	.01297	.0177	.00033	.00379	.00286	.0383	.510
%RSD	1.6678	1.0519	1.2967	1.6752	1.5540	.93744	1.0635
#1	.76293	1.6724	.02542	.22165	.18047	4.0532	48.370
#2	.78497	1.6808	.02587	.22813	.18526	4.0729	47.379
#3	.78581	1.7065	.02608	.22828	.18555	4.1271	48.080

Sample Name: S4 Acquired: 8/24/2024 10:14:06 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4057.0	61735.	6234.2	3464.2	5761.3
Stddev	43.1	254.	30.6	10.6	65.9
%RSD	1.0631	.41077	.49026	.30459	1.1440
#1	4106.0	61492.	6213.3	3452.3	5837.1
#2	4025.0	61998.	6269.3	3472.3	5717.3
#3	4040.0	61715.	6220.0	3468.2	5729.5

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: S5 Acquired: 8/24/2024 10:18:17 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.55067	.87014	2.4503	.84969	1.4089	1.3215	33.737	5.7517
Stddev	.00042	.00991	.0048	.00041	.0024	.0037	.290	.0785
%RSD	.07545	1.1392	.19432	.04829	.16661	.28186	.85933	1.3646
#1	.55112	.87400	2.4484	.84940	1.4107	1.3252	33.995	5.8191
#2	.55030	.87753	2.4469	.84951	1.4063	1.3216	33.423	5.6655
#3	.55059	.85887	2.4558	.85016	1.4099	1.3177	33.792	5.7704

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	14.877	2.8188	.45068	4.3291	1.8295	.03845	3.9051	1.2361
Stddev	.031	.0069	.00115	.0121	.0037	.00054	.0115	.0055
%RSD	.21128	.24618	.25574	.27855	.20432	1.4060	.29412	.44418
#1	14.860	2.8239	.45034	4.3235	1.8300	.03798	3.9163	1.2423
#2	14.858	2.8217	.45197	4.3209	1.8255	.03904	3.9056	1.2344
#3	14.913	2.8109	.44974	4.3429	1.8329	.03833	3.8933	1.2317

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.5031	.87453	.53535	.63758	12.069	.20436	8.2301	6.6485
Stddev	.0108	.00270	.00835	.00157	.054	.00345	.1053	.0034
%RSD	.24077	.30853	1.5606	.24560	.45153	1.6889	1.2788	.05182
#1	4.5016	.87303	.53009	.63889	12.027	.20190	8.3169	6.6524
#2	4.4931	.87764	.54498	.63802	12.130	.20830	8.1131	6.6459
#3	4.5147	.87291	.53098	.63585	12.048	.20286	8.2603	6.6472

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.5493	3.5293	.05681	.44311	.35768	8.6551	99.762
Stddev	.0013	.0129	.00080	.00118	.00018	.0360	.449
%RSD	.08229	.36554	1.4102	.26563	.04921	.41569	.44974
#1	1.5479	3.5409	.05602	.44206	.35765	8.6901	100.14
#2	1.5504	3.5317	.05762	.44290	.35752	8.6570	99.881
#3	1.5495	3.5154	.05680	.44438	.35787	8.6182	99.265

Sample Name: S5 Acquired: 8/24/2024 10:18:17 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4244.2	57525.	5904.1	3226.2	5916.6
Stddev	4.5	539.	43.6	30.2	3.6
%RSD	.10630	.93679	.73825	.93608	.06120
#1	4239.5	57812.	5856.2	3236.8	5913.8
#2	4248.5	56903.	5941.4	3192.1	5920.7
#3	4244.7	57858.	5914.6	3249.7	5915.1

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: ICV01 Acquired: 8/24/2024 10:27:40 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.036156	1.048211	1.004353	1.044189	1.004300	2.560871
Stddev	.008273	.007984	.003330	.003974	.002086	.007931
%RSD	.7984749	.7616419	.3315425	.3805979	.2077260	.3096995
#1	1.029946	1.049269	1.000715	1.041203	1.001952	2.561429
#2	1.032973	1.055612	1.005095	1.042665	1.005938	2.568508
#3	1.045548	1.039751	1.007249	1.048700	1.005011	2.552675

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5025729	.5184881	.5016723	10.09098	.5263428	.5063592
Stddev	.0025492	.0020033	.0015321	.02137	.0003300	.0021821
%RSD	.5072384	.3863792	.3053926	.2117643	.0627050	.4309497
#1	.5035325	.5196284	.4999467	10.08088	.5267147	.5040204
#2	.5045031	.5161749	.5021974	10.07654	.5260850	.5067166
#3	.4996831	.5196610	.5028727	10.11553	.5262286	.5083406

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5302329	9.751316	.5126601	6.032985	.5107825	.2590097
Stddev	.0021297	.056890	.0011509	.021667	.0012601	.0006763
%RSD	.4016616	.5834041	.2244988	.3591442	.2467008	.2610982
#1	.5281417	9.718436	.5128760	6.010590	.5093921	.2584252
#2	.5301578	9.817006	.5136879	6.053842	.5111061	.2588534
#3	.5323992	9.718505	.5114166	6.034525	.5118492	.2597504

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.452466	.4867762	1.005331	9.531746	2.421969	2.552853
Stddev	.067543	.0080953	.003909	.031499	.011030	.006778
%RSD	.7145547	1.663052	.3888016	.3304617	.4554068	.2655055
#1	9.439100	.4780790	1.009825	9.521306	2.432107	2.545221
#2	9.525692	.4881577	1.002724	9.506793	2.410224	2.555168
#3	9.392605	.4940918	1.003443	9.567139	2.423576	2.558170

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: ICV01 Acquired: 8/24/2024 10:27:40 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.490175	2.485313	F 1.794265	F .0054543	F -.008277	F -.001563
Stddev	.004411	.003756	.013301	.0025285	.002922	.003279
%RSD	.1771370	.1511376	.7412880	46.35864	35.30775	209.7182
#1	2.485260	2.487375	1.784012	.0047581	-.005015	-.005319
#2	2.491475	2.487586	1.809294	.0082580	-.009158	.000729
#3	2.493789	2.480977	1.789488	.0033468	-.010657	-.000100

Elem	Sr4077
Units	ppm
Avg	2.635656
Stddev	.005438
%RSD	.2063059
#1	2.639032
#2	2.638552
#3	2.629384

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4320.980	60582.05	6094.028	3461.075	6357.076
Stddev	17.120	185.98	7.888	8.178	17.898
%RSD	.3962064	.3069825	.1294414	.2362758	.2815428
#1	4335.172	60734.36	6088.904	3453.228	6372.620
#2	4325.801	60374.79	6103.111	3460.449	6361.099
#3	4301.966	60636.99	6090.067	3469.547	6337.509

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: LLICV01 Acquired: 8/24/2024 10:49:17 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0182785	.0354134	.0129904	.0187556	.0455754	.1199564
Stddev	.0017709	.0019264	.0005298	.0012256	.0010802	.0144463
%RSD	9.688386	5.439653	4.078062	6.534349	2.370054	12.04296
#1	.0168998	.0332249	.0130002	.0176271	.0468223	.1114437
#2	.0176601	.0368523	.0124559	.0200593	.0449268	.1117892
#3	.0202757	.0361631	.0135152	.0185803	.0449770	.1366363

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0973925	.0060317	.0055927	1.933097	.0098456	.0270123
Stddev	.0009735	.0000556	.0000592	.022025	.0006148	.0002261
%RSD	.9995437	.9216161	1.058628	1.139347	6.244673	.8370958
#1	.0976756	.0059858	.0055376	1.910849	.0105553	.0272729
#2	.0981931	.0060157	.0055852	1.954891	.0094742	.0268954
#3	.0963089	.0060935	.0056554	1.933551	.0095073	.0268685

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0206254	.0884207	.0195199	2.031862	.0351056	.0115538
Stddev	.0003152	.0051717	.0004229	.028823	.0003773	.0005301
%RSD	1.528073	5.848953	2.166567	1.418561	1.074881	4.588374
#1	.0208949	.0844961	.0190420	2.020544	.0355365	.0109528
#2	.0202788	.0942810	.0198458	2.010415	.0349465	.0119549
#3	.0207024	.0864850	.0196718	2.064626	.0348339	.0117538

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.806461	.0347545	.0401514	1.843709	.0833606	.1804986
Stddev	.012947	.0080228	.0004775	.030851	.0011536	.0013746
%RSD	.7167176	23.08430	1.189351	1.673288	1.383815	.7615460
#1	1.819438	.0305778	.0398607	1.815482	.0822134	.1817615
#2	1.806401	.0440040	.0398908	1.839001	.0845204	.1790345
#3	1.793544	.0296817	.0407025	1.876642	.0833480	.1806998

Sample Name: LLICV01 Acquired: 8/24/2024 10:49:17 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0340015	.0337831	F .2643693	.0180038	F .3268057	F -.002879
Stddev	.0000634	.0024170	.0173059	.0009180	.0009973	.000173
%RSD	.1864005	7.154607	6.546114	5.098719	.3051825	5.998596
#1	.0340459	.0316815	.2642258	.0183360	.3277192	-.002687
#2	.0339289	.0364243	.2817465	.0169660	.3257416	-.002931
#3	.0340295	.0332433	.2471355	.0187094	.3269563	-.003021

Elem	Sr4077
Units	ppm
Avg	.0191014
Stddev	.0000297
%RSD	.1555042
#1	.0191032
#2	.0191302
#3	.0190709

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4477.220	59381.86	6011.262	3415.431	6773.968
Stddev	29.762	224.77	16.509	25.066	44.986
%RSD	.6647397	.3785167	.2746387	.7339181	.6641035
#1	4444.072	59308.70	6000.981	3387.418	6722.260
#2	4501.649	59202.78	6002.501	3423.133	6804.118
#3	4485.939	59634.09	6030.305	3435.743	6795.526

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: ICB01 Acquired: 8/24/2024 10:53:32 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002219	-.001725	.0000833	.0006597	.0005629	.0182636	.0003548
Stddev	.001429	.000771	.0003492	.0026358	.0013408	.0165323	.0010941
%RSD	64.38369	44.67383	419.3568	399.5351	238.2017	90.52065	308.3463
#1	-.000780	-.002532	-.000112	.0006167	-.000379	.0139769	.0014939
#2	-.003637	-.000997	-.000124	.0033167	-.000030	.0042968	.0002584
#3	-.002240	-.001647	.000487	-.001954	.002098	.0365170	-.000688

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000076	.0000240	.0338290	.0001550	-.000010	.0001306	.0146239
Stddev	.000016	.0000132	.0188303	.0004222	.000233	.0003175	.0016988
%RSD	21.09662	55.06692	55.66304	272.3279	2237.406	243.0966	11.61678
#1	-.000061	.0000091	.0139915	.0002447	-.000278	-.000235	.0162196
#2	-.000074	.0000284	.0360385	.0005252	.000100	.000297	.0148142
#3	-.000093	.0000344	.0514571	-.000305	.000147	.000331	.0128380

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003180	-.008797	-.000250	-.000229	-.062963	.0010105	.0004925
Stddev	.0004421	.008454	.000128	.000415	.021433	.0047488	.0001589
%RSD	139.0332	96.10070	51.09982	180.8567	34.04108	469.9655	32.27044
#1	.0007740	-.017534	-.000273	-.000528	-.043324	-.003763	.0006676
#2	.0002889	-.008198	-.000112	-.000404	-.059740	.005734	.0004528
#3	-.000109	-.000658	-.000365	.000244	-.085826	.001060	.0003572

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.008324	-.008757	-.000567	.0012607	-.001721	.0015182	.0017400
Stddev	.005361	.000969	.000257	.0006183	.001256	.0122487	.0014669
%RSD	64.40924	11.06996	45.41569	49.04566	72.99621	806.7755	84.30760
#1	-.014511	-.008899	-.000728	.0005792	-.003145	-.012624	.0027327
#2	-.005053	-.009647	-.000702	.0014172	-.000766	.008746	.0024323
#3	-.005407	-.007724	-.000270	.0017857	-.001253	.008433	.0000550

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: ICB01 Acquired: 8/24/2024 10:53:32 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002160	-.003047	.0000379
Stddev	.002598	.001548	.0001289
%RSD	120.3265	50.80763	340.5718
#1	-.004095	-.004835	.0001770
#2	-.003177	-.002171	.0000143
#3	.000794	-.002136	-.000078

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4536.412	60767.28	6201.682	3474.127	6984.972
Stddev	30.833	436.87	55.005	20.528	43.954
%RSD	.6796804	.7189253	.8869343	.5908944	.6292622
#1	4505.774	60539.84	6140.696	3462.672	6943.042
#2	4536.026	60491.05	6216.812	3461.882	6981.172
#3	4567.436	61270.95	6247.539	3497.827	7030.703

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: CRI01 Acquired: 8/24/2024 11:04:39 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0203564	.0376443	.0140961	.0198009	.0459159	.0961180
Stddev	.0024325	.0017769	.0015070	.0011022	.0020715	.0206865
%RSD	11.94930	4.720239	10.69053	5.566423	4.511598	21.52197
#1	.0175763	.0355954	.0134556	.0185322	.0457719	.0726278
#2	.0220930	.0387622	.0130152	.0203480	.0439201	.1041097
#3	.0213999	.0385753	.0158175	.0205225	.0480556	.1116165

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0907065	.0056996	.0057995	1.842172	.0095424	.0280775
Stddev	.0005908	.0000637	.0001482	.016235	.0003234	.0003068
%RSD	.6513792	1.117703	2.554971	.8812704	3.389016	1.092802
#1	.0911647	.0057602	.0057151	1.857695	.0098212	.0277879
#2	.0909152	.0056332	.0059706	1.843512	.0091878	.0283991
#3	.0900397	.0057056	.0057128	1.825309	.0096181	.0280455

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0210946	.0806941	.0186692	1.997285	.0368677	.0108428
Stddev	.0007339	.0120155	.0004525	.038790	.0003382	.0001655
%RSD	3.479123	14.89011	2.423737	1.942116	.9173945	1.526449
#1	.0205691	.0926371	.0182005	1.971589	.0365817	.0110032
#2	.0207815	.0686075	.0191035	2.041904	.0372410	.0108526
#3	.0219331	.0808378	.0187038	1.978361	.0367803	.0106726

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.599451	.0386689	.0371457	1.741392	.0749743	.1860410
Stddev	.006927	.0031727	.0008828	.028656	.0014179	.0024729
%RSD	.4330667	8.204727	2.376516	1.645572	1.891130	1.329214
#1	1.604278	.0409237	.0376970	1.773791	.0733593	.1831991
#2	1.591515	.0400420	.0361275	1.719370	.0760146	.1877022
#3	1.602561	.0350409	.0376125	1.731017	.0755491	.1872217

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: CRI01 Acquired: 8/24/2024 11:04:39 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0345839	.0334347	F .2489506	.0182502	F .3528242	F -.004076
Stddev	.0003496	.0019204	.0019410	.0010027	.0065494	.002268
%RSD	1.010907	5.743643	.7796519	5.494164	1.856280	55.65750
#1	.0344031	.0353782	.2490110	.0194080	.3455679	-.004506
#2	.0349869	.0315384	.2508606	.0176657	.3582974	-.001623
#3	.0343617	.0333876	.2469801	.0176770	.3546072	-.006099

Elem	Sr4077
Units	ppm
Avg	.0181518
Stddev	.0001664
%RSD	.9166833
#1	.0181395
#2	.0183240
#3	.0179919

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4282.337	64814.54	6377.409	3661.682	6416.317
Stddev	49.191	121.62	51.020	6.504	79.228
%RSD	1.148701	.1876451	.8000042	.1776120	1.234787
#1	4337.080	64686.46	6372.213	3668.424	6502.843
#2	4241.844	64928.46	6329.187	3661.174	6347.324
#3	4268.086	64828.71	6430.828	3655.447	6398.784

Sample Name: ICSA01 Acquired: 8/24/2024 11:08:55 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056763	.0111151	-.007794	-.009044	.0035312	262.4697
Stddev	.0035853	.0020828	.001870	.001140	.0004949	.4792
%RSD	63.16191	18.73865	23.98618	12.60840	14.01403	.1825752
#1	.0023901	.0108838	-.006518	-.007850	.0032326	262.9436
#2	.0051388	.0091575	-.006925	-.010122	.0041024	262.4803
#3	.0095000	.0133039	-.009940	-.009158	.0032586	261.9854

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0080978	.0030160	-.001045	255.8733	.0602089	-.000292
Stddev	.0024142	.0000690	.000096	.5125	.0003434	.000222
%RSD	29.81334	2.289624	9.192342	.2002960	.5703387	76.09438
#1	.0104386	.0030066	-.000949	256.4023	.0602259	-.000215
#2	.0082383	.0030892	-.001046	255.8385	.0605435	-.000118
#3	.0056163	.0029521	-.001141	255.3791	.0598573	-.000543

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005280	106.6307	.0162346	265.5141	.0035670	.0020542
Stddev	.0004632	.5918	.0006303	1.1105	.0000747	.0008282
%RSD	87.73609	.5549793	3.882524	.4182440	2.093663	40.31802
#1	.0010616	106.1323	.0155468	266.7594	.0034869	.0012005
#2	.0002291	106.4752	.0167846	265.1563	.0036348	.0021077
#3	.0002932	107.2848	.0163726	264.6266	.0035793	.0028544

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0207726	.0052043	.0004375	.0841283	-.086198	.0012796
Stddev	.0232288	.0023010	.0002306	.0229655	.001403	.0005921
%RSD	111.8243	44.21266	52.70909	27.29816	1.628209	46.27516
#1	.0250438	.0071223	.0001759	.1100713	-.087676	.0019620
#2	.0415695	.0026530	.0006113	.0759143	-.086033	.0009021
#3	-.004295	.0058375	.0005254	.0663993	-.084884	.0009746

Sample Name: ICSA01 Acquired: 8/24/2024 11:08:55 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000017	.0004377	.0258661	-.000001	-.019599	F -.048888
Stddev	.000359	.0014287	.0054902	.001758	.002053	.000844
%RSD	2130.313	326.4028	21.22528	170098.8	10.47254	1.726802
#1	-.000430	.0009986	.0226025	.002023	-.020215	-.048730
#2	.000224	-.001186	.0227911	-.000875	-.017309	-.048135
#3	.000155	.001501	.0322047	-.001151	-.021274	-.049801

Elem	Sr4077
Units	ppm
Avg	-.002002
Stddev	.000355
%RSD	17.73734
#1	-.001748
#2	-.001850
#3	-.002408

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3970.694	56889.28	6082.921	3272.871	5507.911
Stddev	15.435	216.99	57.067	21.207	22.612
%RSD	.3887134	.3814192	.9381567	.6479575	.4105435
#1	3963.742	56676.05	6031.246	3248.802	5497.750
#2	3988.382	56881.95	6073.348	3281.001	5533.822
#3	3959.957	57109.84	6144.170	3288.809	5492.162

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: ICSAB01 Acquired: 8/24/2024 11:33:35 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1143225	.1116499	.0433764	.0447079	.6150942	252.9796
Stddev	.0061982	.0005190	.0030425	.0031223	.0019752	.9901
%RSD	5.421706	.4648162	7.014164	6.983860	.3211244	.3913741
#1	.1198098	.1120294	.0415401	.0431139	.6135036	252.5627
#2	.1155583	.1118617	.0468883	.0427042	.6144740	252.2661
#3	.1075995	.1110585	.0417007	.0483055	.6173052	254.1099

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5279602	.5188710	1.018801	247.6868	.5986598	.5113129
Stddev	.0045158	.0039360	.002489	.9499	.0006485	.0015318
%RSD	.8553230	.7585686	.2443489	.3835208	.1083286	.2995826
#1	.5302121	.5144676	1.017449	247.4932	.5993807	.5107711
#2	.5227613	.5200984	1.017279	246.8487	.5981238	.5101256
#3	.5309071	.5220471	1.021673	248.7187	.5984748	.5130420

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4920970	108.5013	.5292798	256.2970	1.017265	.2303228
Stddev	.0026971	.8789	.0030219	1.0006	.002650	.0000571
%RSD	.5480771	.8100131	.5709427	.3904075	.2604750	.0247885
#1	.4893024	109.5108	.5281864	255.8906	1.016542	.2303101
#2	.4923042	108.0860	.5269568	255.5636	1.015052	.2302731
#3	.4946846	107.9070	.5326962	257.4369	1.020201	.2303852

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0664902	.5065114	1.083571	-.040971	.8705692	1.051117
Stddev	.0117790	.0036907	.001756	.033616	.0033614	.002020
%RSD	17.71544	.7286451	.1620940	82.04816	.3861167	.1921328
#1	.0760156	.5069008	1.085574	-.063020	.8668545	1.049129
#2	.0533194	.5026415	1.082292	-.002280	.8714521	1.051057
#3	.0701355	.5099920	1.082847	-.057614	.8734011	1.053166

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: ICSAB01 Acquired: 8/24/2024 11:33:35 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.031906	1.034821	F .8416963	F .0087721	F -.023964	F -.045741
Stddev	.001754	.002975	.0150765	.0005330	.001383	.001189
%RSD	.1699505	.2874671	1.791198	6.075918	5.771274	2.598943
#1	1.032464	1.035432	.8278670	.0087226	-.025165	-.044381
#2	1.029941	1.031588	.8577686	.0082656	-.022452	-.046257
#3	1.033313	1.037443	.8394533	.0093282	-.024275	-.046584

Elem	Sr4077
Units	ppm
Avg	.8903243
Stddev	.0040404
%RSD	.4538120
#1	.8894859
#2	.8867689
#3	.8947182

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4245.259	55756.28	6274.067	3209.348	5918.088
Stddev	6.924	168.82	43.957	13.043	12.427
%RSD	.1630988	.3027855	.7006098	.4064036	.2099786
#1	4251.433	55767.86	6324.158	3208.150	5926.360
#2	4246.571	55581.97	6256.119	3196.946	5924.105
#3	4237.773	55919.02	6241.925	3222.949	5903.798

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: ICSADLX20 Acquired: 8/24/2024 11:37:44 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000187	.0004510	-.001146	.0010869	-.000940	13.42994	-.001728
Stddev	.001542	.0014561	.001297	.0016460	.000777	.08203	.001290
%RSD	826.3690	322.8291	113.2410	151.4370	82.63878	.6107832	74.61153
#1	-.001963	-.000583	-.002571	.0023582	-.000781	13.49858	-.002067
#2	.000816	-.000180	-.000033	-.000772	-.000255	13.45214	-.002815
#3	.000587	.002116	-.000833	.001675	-.001784	13.33910	-.000303

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001249	-.000110	13.47303	.0034040	.0001526	.0005583	5.336118
Stddev	.0000638	.000013	.08830	.0004549	.0001087	.0003681	.018098
%RSD	51.06141	12.02587	.6553507	13.36225	71.21534	65.94048	.3391654
#1	.0000882	-.000125	13.53157	.0029742	.0000312	.0009525	5.355802
#2	.0001986	-.000102	13.51604	.0038803	.0001859	.0002235	5.320197
#3	.0000880	-.000102	13.37146	.0033573	.0002408	.0004989	5.332356

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013385	14.06935	.0004034	.0002012	-.078816	.0013340	.0018583
Stddev	.0005382	.07191	.0002695	.0002655	.010378	.0054653	.0001041
%RSD	40.20648	.5111423	66.80921	131.9725	13.16799	409.6871	5.604287
#1	.0015906	14.13796	.0001034	-.000105	-.082188	.0068179	.0017417
#2	.0007206	14.07556	.0004816	.000337	-.087088	.0012966	.0018910
#3	.0017043	13.99453	.0006251	.000371	-.067170	-.004112	.0019421

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0897630	-.013752	-.000018	-.000098	-.002536	.0148805	.0013939
Stddev	.0587356	.000198	.000198	.000418	.001706	.0141986	.0023475
%RSD	65.43412	1.438640	1079.123	423.9872	67.26265	95.41735	168.4085
#1	.0320790	-.013525	-.000136	-.000156	-.002347	.0312624	.0003602
#2	.0877134	-.013888	.000210	-.000484	-.004329	.0072615	.0040809
#3	.1494966	-.013843	-.000130	.000345	-.000933	.0061177	-.000259

Sample Name: ICSADLX20 Acquired: 8/24/2024 11:37:44 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000103	-.011249	-.000003
Stddev	.001503	.002530	.000093
%RSD	1465.727	22.49213	2708.254
#1	-.000580	-.008507	-.000104
#2	.001582	-.011746	.000013
#3	-.001309	-.013493	.000080

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4350.303	62790.05	6350.473	3580.553	6435.217
Stddev	10.887	415.94	33.912	22.009	16.643
%RSD	.2502520	.6624367	.5340027	.6146876	.2586265
#1	4344.497	62381.87	6319.421	3560.988	6418.303
#2	4362.862	63213.35	6345.340	3604.383	6451.576
#3	4343.550	62774.94	6386.659	3576.289	6435.772

Sample Name: ICSABDLX20 Acquired: 8/24/2024 11:42:04 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058787	.0069843	.0006335	.0005357	.0326576	13.70650
Stddev	.0032004	.0004315	.0011782	.0025669	.0015021	.02516
%RSD	54.44001	6.177679	185.9840	479.1295	4.599664	.1835273
#1	.0026502	.0073291	-.000692	-.000174	.0321516	13.73044
#2	.0059357	.0071233	.001561	.003383	.0314737	13.70878
#3	.0090503	.0065005	.001031	-.001602	.0343473	13.68029

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0265154	.0294300	.0546909	F 13.76205	.0319298	.0273862
Stddev	.0020810	.0002863	.0002799	.02859	.0003169	.0002932
%RSD	7.848089	.9729654	.5118270	.2077711	.9923615	1.070704
#1	.0281440	.0296487	.0549976	13.79020	.0320930	.0276830
#2	.0272313	.0291059	.0546260	13.73303	.0321318	.0273789
#3	.0241710	.0295355	.0544491	13.76293	.0315646	.0270967

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0295109	5.359890	.0291843	14.37911	.0554452	.0109644
Stddev	.0004131	.033584	.0004543	.06210	.0004566	.0007730
%RSD	1.399803	.6265776	1.556798	.4318989	.8234188	7.050484
#1	.0291935	5.326645	.0286597	14.44355	.0558256	.0117669
#2	.0299780	5.393802	.0294417	14.31964	.0555710	.0102246
#3	.0293613	5.359222	.0294515	14.37414	.0549389	.0109017

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.075041	.0304561	.0568627	.1193900	.0372075	.0545460
Stddev	.017529	.0011690	.0004082	.0544130	.0010015	.0001896
%RSD	23.35887	3.838277	.7178492	45.57579	2.691563	.3475988
#1	-.061969	.0317902	.0568418	.1765828	.0382705	.0547510
#2	-.068194	.0296107	.0564654	.0682656	.0362818	.0543770
#3	-.094960	.0299675	.0572810	.1133217	.0370701	.0545098

Sample Name: ICSABDLX20 Acquired: 8/24/2024 11:42:04 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0534805	.0516165	.0410975	-.000099	-.002070	-.008522
Stddev	.0006830	.0010522	.0085034	.000678	.002252	.000681
%RSD	1.277168	2.038580	20.69085	684.3467	108.7988	7.990020
#1	.0542322	.0527244	.0358617	.000490	-.000157	-.007839
#2	.0533116	.0506304	.0365219	-.000839	-.001501	-.008524
#3	.0528978	.0514949	.0509090	.000052	-.004551	-.009201

Elem	Sr4077
Units	ppm
Avg	.0793939
Stddev	.0004550
%RSD	.5731594
#1	.0796420
#2	.0796710
#3	.0788688

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4257.186	62746.67	6226.071	3578.112	6301.267
Stddev	37.374	228.04	34.185	8.671	51.662
%RSD	.8779022	.3634280	.5490582	.2423398	.8198630
#1	4216.909	62987.31	6188.095	3587.143	6246.568
#2	4263.903	62533.77	6254.384	3569.852	6308.002
#3	4290.746	62718.93	6235.734	3577.342	6349.231

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: CCV01 Acquired: 8/24/2024 11:46:28 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.205763	5.193261	5.092696	5.264114	5.152519	9.931426	10.13924
Stddev	.036293	.079793	.029390	.027035	.028621	.021480	.05015
%RSD	.6971687	1.536481	.5770985	.5135686	.5554697	.2162835	.4946191
#1	5.212327	5.213386	5.095999	5.270064	5.160851	9.952808	10.18953
#2	5.238326	5.261065	5.120295	5.287678	5.176049	9.931621	10.13894
#3	5.166636	5.105332	5.061794	5.234600	5.120657	9.909850	10.08923

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2474554	2.561315	25.23971	1.001878	2.565550	1.288636	4.961617
Stddev	.0004447	.012500	.11054	.004036	.012226	.005955	.026396
%RSD	.1796958	.4880381	.4379633	.4028796	.4765254	.4621370	.5320018
#1	.2472643	2.563029	25.35935	1.002326	2.567105	1.288576	4.967955
#2	.2479637	2.572870	25.21839	.997636	2.576924	1.294621	4.932630
#3	.2471382	2.548047	25.14138	1.005671	2.552622	1.282711	4.984267

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.497071	25.06621	2.552971	1.238971	24.02634	2.504556	2.467248
Stddev	.014804	.06239	.012862	.001675	.12663	.010751	.003289
%RSD	.5928362	.2489120	.5037951	.1351875	.5270455	.4292744	.1333267
#1	2.512402	25.04497	2.554663	1.239396	24.16662	2.516034	2.470099
#2	2.495954	25.13645	2.564902	1.237124	23.92047	2.502915	2.463649
#3	2.482858	25.01722	2.539346	1.240392	23.99193	2.494720	2.467995

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.44442	4.964694	5.099918	5.129113	5.003601	4.807209	5.264274
Stddev	.05557	.008378	.028873	.029801	.018308	.028884	.034209
%RSD	.2273290	.1687437	.5661446	.5810227	.3659014	.6008444	.6498418
#1	24.49137	4.956366	5.105840	5.135252	5.022634	4.792878	5.258322
#2	24.38307	4.973120	5.125371	5.155368	5.002052	4.788294	5.301068
#3	24.45883	4.964595	5.068543	5.096721	4.986116	4.840457	5.233430

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: CCV01 Acquired: 8/24/2024 11:46:28 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.147483	4.787705	5.033006
Stddev	.027606	.016178	.043110
%RSD	.5363065	.3379042	.8565365
#1	5.167504	4.804664	5.006297
#2	5.158954	4.786008	5.082739
#3	5.115990	4.772442	5.009982

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4167.605	62403.49	6328.529	3502.053	5904.823
Stddev	21.714	159.08	17.987	6.269	34.770
%RSD	.5210215	.2549202	.2842205	.1790030	.5888340
#1	4177.552	62520.60	6338.611	3499.725	5917.401
#2	4142.699	62467.48	6307.763	3497.282	5865.515
#3	4182.564	62222.38	6339.215	3509.153	5931.554

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: CCB01 Acquired: 8/24/2024 11:50:40 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001568	-.001493	-.000274	.0018375	-.000090	-.006972	-.001647
Stddev	.001176	.000400	.001350	.0012036	.001167	.003877	.002040
%RSD	74.99330	26.78544	493.2124	65.49912	1295.688	55.61091	123.8390
#1	-.000235	-.001236	.001248	.0031347	-.000062	-.008589	.000707
#2	-.002011	-.001289	-.000741	.0016208	-.001271	-.002548	-.002754
#3	-.002458	-.001954	-.001329	.0007570	.001062	-.009780	-.002895

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000061	-.000006	.0306087	.0001014	.0000519	.0000842	-.006489
Stddev	.000077	.000041	.0106439	.0002800	.0005158	.0011590	.003191
%RSD	126.8179	642.8564	34.77427	276.0261	993.4312	1376.309	49.17563
#1	-.000142	.000020	.0428011	-.000074	-.000279	.0010155	-.008969
#2	.000012	-.000053	.0231698	.000424	-.000212	-.001214	-.002889
#3	-.000052	.000014	.0258552	-.000046	.000646	.000451	-.007609

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005456	.0145497	-.000084	.0001097	-.111024	-.000245	.0004234
Stddev	.0002115	.0164861	.000076	.0002351	.031935	.007087	.0002029
%RSD	38.76240	113.3092	90.26178	214.1930	28.76422	2892.674	47.91077
#1	.0003078	.0329655	-.000023	.0003713	-.096243	.007887	.0002032
#2	.0006162	.0011661	-.000060	.0000419	-.089156	-.005102	.0004644
#3	.0007126	.0095174	-.000170	-.000084	-.147671	-.003520	.0006027

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0827005	.0005189	-.000149	.0014206	-.002507	.0170415	-.001148
Stddev	.0391859	.0006153	.000258	.0004974	.001696	.0054395	.000879
%RSD	47.38292	118.5784	173.4329	35.01555	67.64599	31.91895	76.56022
#1	.0388794	-.000160	.000149	.0008709	-.003053	.0233164	-.000191
#2	.1143743	.000677	-.000308	.0018398	-.003861	.0136671	-.001919
#3	.0948479	.001040	-.000288	.0015509	-.000605	.0141409	-.001335

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: CCB01 Acquired: 8/24/2024 11:50:40 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002415	-.008125	.0000725
Stddev	.000777	.001798	.0000248
%RSD	32.17618	22.12430	34.17675
#1	-.002111	-.006094	.0000481
#2	-.001836	-.008772	.0000717
#3	-.003298	-.009510	.0000976

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4281.075	63263.96	6323.962	3576.318	6486.865
Stddev	64.213	596.63	17.981	24.893	111.953
%RSD	1.499927	.9430767	.2843329	.6960565	1.725843
#1	4262.045	63562.65	6303.796	3589.941	6444.447
#2	4228.528	63652.26	6338.323	3591.427	6402.320
#3	4352.652	62576.98	6329.769	3547.587	6613.829

Sample Name: LR1 Acquired: 8/24/2024 11:55:01 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0647371	.0711120	-.080946	-.065577	.0099930	1894.528
Stddev	.0044091	.0089953	.007154	.006255	.0020308	34.524
%RSD	6.810791	12.64951	8.838553	9.538920	20.32161	1.822317
#1	.0698103	.0695555	-.087870	-.064116	.0120324	1854.663
#2	.0625716	.0629965	-.081385	-.072434	.0099758	1914.655
#3	.0618295	.0807840	-.073582	-.060182	.0079710	1914.264

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0233929	.0224693	-.021369	1678.911	-.000745	.0133087
Stddev	.0001104	.0005091	.002883	40.706	.000738	.0004227
%RSD	.4718720	2.265584	13.48973	2.424568	99.10884	3.176122
#1	.0233271	.0218982	-.023159	1640.811	-.000134	.0131008
#2	.0235203	.0226345	-.018044	1674.120	-.001565	.0130303
#3	.0233312	.0228753	-.022904	1721.800	-.000535	.0137951

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.171382	1065.822	.0134531	1657.810	.0388538	.0304527
Stddev	.025879	25.655	.0020080	25.673	.0003641	.0045490
%RSD	15.10025	2.407060	14.92580	1.548596	.9370913	14.93804
#1	-.186902	1083.437	.0151787	1628.176	.0391107	.0341928
#2	-.141507	1036.388	.0112491	1671.959	.0384371	.0253885
#3	-.185737	1077.642	.0139314	1673.296	.0390135	.0317767

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1950.643	.0299433	.0050180	F 1571.369	-.450759	.0039171
Stddev	21.009	.0029948	.0029723	9.379	.051487	.0007393
%RSD	1.077007	10.00166	59.23243	.5968529	11.42232	18.87241
#1	1943.883	.0309687	.0035726	1574.291	-.398973	.0047410
#2	1933.847	.0322907	.0084366	1560.877	-.501942	.0036987
#3	1974.200	.0265705	.0030448	1578.939	-.451362	.0033117

Sample Name: LR1 Acquired: 8/24/2024 11:55:01 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052756	-.030079	.1912897	.0501815	-.265546	-.286033
Stddev	.0018657	.000999	.0193533	.0027317	.011822	.008076
%RSD	35.36440	3.321044	10.11730	5.443689	4.452050	2.823549
#1	.0049044	-.029627	.1789075	.0472377	-.274987	-.279791
#2	.0036234	-.031224	.1813699	.0506722	-.252286	-.283153
#3	.0072989	-.029386	.2135918	.0526346	-.269365	-.295154

Elem	Sr4077
Units	ppm
Avg	-1.05433
Stddev	.02572
%RSD	2.439451
#1	-1.07210
#2	-1.02484
#3	-1.06606

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3181.511	46209.57	5832.391	2621.078	4006.810
Stddev	1.996	159.44	99.161	9.628	12.335
%RSD	.0627487	.3450428	1.700181	.3673409	.3078600
#1	3181.802	46221.11	5944.702	2610.381	4004.059
#2	3179.385	46362.92	5795.539	2623.804	3996.082
#3	3183.345	46044.66	5756.932	2629.049	4020.289

Sample Name: PB162726BL Acquired: 8/24/2024 12:05:20 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000473	.0004520	.0004693	.0008030	.0004118	.0061139	-.000421
Stddev	.001564	.0009644	.0011256	.0011423	.0015712	.0162558	.002149
%RSD	330.7114	213.3367	239.8349	142.2481	381.5256	265.8813	510.9567
#1	-.000991	.0009143	.0006092	.0004053	.0016148	-.007702	-.000068
#2	-.001712	.0010983	-.000720	.0020911	.0009864	.024026	.001530
#3	.001284	-.000656	.001519	-.000087	-.001366	.002017	-.002724

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000081	-.000070	.0012825	.0000866	.0000273	.0010790	-.005195
Stddev	.000083	.000090	.0155208	.0004432	.0001460	.0004097	.006565
%RSD	102.2845	129.4028	1210.146	511.8578	534.9756	37.96739	126.3577
#1	-.000102	-.000061	.0123473	-.000393	.0000501	.0015276	-.011851
#2	.000010	.000016	-.016459	.000172	-.000129	.0007248	.001274
#3	-.000151	-.000163	.007960	.000481	.000161	.0009845	-.005009

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000106	-.003035	.0001355	-.000238	.2478710	.0002453	.0004441
Stddev	.000359	.014613	.0002813	.000482	.0307845	.0016495	.0002317
%RSD	339.0442	481.4818	207.5608	202.3456	12.41955	672.5764	52.17888
#1	-.000184	-.017531	-.000049	.000164	.2249502	-.001128	.0006772
#2	-.000420	.011691	.000459	-.000772	.2358014	.002075	.0004413
#3	.000286	-.003265	-.000003	-.000106	.2828614	-.000211	.0002138

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3777261	-.011180	-.000201	-.001085	-.000312	-.013150	.0002423
Stddev	.0278186	.001252	.000243	.000300	.001305	.001611	.0007053
%RSD	7.364753	11.20219	120.6234	27.65582	418.3602	12.24977	291.0625
#1	.3711956	-.012361	-.000211	-.001213	-.001728	-.011364	-.000430
#2	.3537537	-.009867	.000046	-.000742	.000843	-.014493	.000977
#3	.4082290	-.011312	-.000440	-.001301	-.000051	-.013593	.000180

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: PB162726BL Acquired: 8/24/2024 12:05:20 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002291	-.003812	-.000101
Stddev	.001147	.001799	.000087
%RSD	50.06195	47.19620	86.12942
#1	-.003574	-.005794	-.000115
#2	-.001365	-.003360	-.000008
#3	-.001935	-.002282	-.000180

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4495.210	63058.39	6047.044	3646.905	6861.290
Stddev	12.655	511.55	13.199	30.926	14.716
%RSD	.2815289	.8112270	.2182679	.8480033	.2144798
#1	4488.639	62727.06	6058.124	3635.244	6847.543
#2	4487.193	63647.55	6050.566	3681.966	6859.512
#3	4509.800	62800.56	6032.441	3623.504	6876.814

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: PB162726BS Acquired: 8/24/2024 12:09:41 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8116663	1.972491	.9743713	2.012475	.7909987	1.963172
Stddev	.0101451	.011368	.0056318	.015171	.0058548	.020061
%RSD	1.249909	.5763477	.5779946	.7538434	.7401789	1.021873
#1	.8006790	1.971410	.9683679	1.994980	.7846281	1.945384
#2	.8136411	1.984361	.9752079	2.020444	.7922245	1.959214
#3	.8206788	1.961702	.9795379	2.022000	.7961436	1.984917

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1954563	.2126513	.1922625	1.047721	.4008595	.1965814
Stddev	.0013294	.0009862	.0014052	.027016	.0008152	.0015599
%RSD	.6801609	.4637650	.7308567	2.578515	.2033698	.7934856
#1	.1958531	.2132631	.1906997	1.017026	.4005751	.1948342
#2	.1965422	.2131771	.1926659	1.067886	.4002246	.1970764
#3	.1939737	.2115136	.1934218	1.058251	.4017788	.1978337

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3077165	2.871815	.2034628	2.010365	.4885976	.0745573
Stddev	.0032279	.019245	.0005465	.015140	.0034200	.0001454
%RSD	1.048991	.6701383	.2686149	.7530773	.6999676	.1949443
#1	.3040645	2.850228	.2028655	2.022805	.4848271	.0747190
#2	.3088969	2.878038	.2039378	1.993508	.4894661	.0745151
#3	.3101880	2.887178	.2035852	2.014781	.4914997	.0744377

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.881425	.2977179	.1977823	9.308753	.2789118	.3847498
Stddev	.034838	.0052902	.0008384	.071617	.0022485	.0031148
%RSD	1.209053	1.776924	.4238857	.7693463	.8061713	.8095757
#1	2.857102	.2941834	.1984023	9.238399	.2814170	.3812191
#2	2.865839	.2951704	.1981162	9.306293	.2782498	.3859211
#3	2.921335	.3037999	.1968285	9.381568	.2770686	.3871092

Sample Name: PB162726BS Acquired: 8/24/2024 12:09:41 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6655550	.1909867	F .6095268	5.806383	F -.011180	.1951794
Stddev	.0034865	.0023118	.0141660	.040949	.002872	.0022931
%RSD	.5238451	1.210433	2.324102	.7052327	25.69269	1.174895
#1	.6616097	.1890900	.5943769	5.759240	-.013568	.1938123
#2	.6668339	.1935617	.6117600	5.826812	-.011980	.1978268
#3	.6682215	.1903082	.6224437	5.833099	-.007992	.1938991

Elem	Sr4077
Units	ppm
Avg	.1918914
Stddev	.0007194
%RSD	.3749085
#1	.1911037
#2	.1925138
#3	.1920567

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4402.775	63043.72	6088.643	3639.202	6507.729
Stddev	39.399	244.10	23.641	18.517	57.064
%RSD	.8948745	.3871916	.3882796	.5088120	.8768620
#1	4447.839	63306.72	6103.407	3659.487	6573.590
#2	4385.654	62999.99	6061.376	3634.910	6476.544
#3	4374.833	62824.43	6101.145	3623.207	6473.054

Sample Name: LR2 Acquired: 8/24/2024 12:13:49 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0083259	.0222493	235.4460	.0245706	-.005191	.0781372
Stddev	.0014977	.0031413	1.2725	.0004953	.003336	.0016569
%RSD	17.98886	14.11875	.5404549	2.015629	64.27764	2.120488
#1	.0091953	.0255046	235.1513	.0245252	-.005858	.0799962
#2	.0091859	.0220075	234.3468	.0250870	-.008143	.0768162
#3	.0065965	.0192359	236.8400	.0240997	-.001571	.0775991

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	94.09398	-.006748	-.002633	.2641713	.0437942	.0952985
Stddev	1.16740	.000112	.000075	.0271468	.0004576	.0003325
%RSD	1.240679	1.664392	2.857906	10.27621	1.044949	.3488699
#1	93.36323	-.006622	-.002659	.2929281	.0432665	.0953794
#2	93.47835	-.006785	-.002692	.2605973	.0440813	.0955830
#3	95.44034	-.006837	-.002548	.2389886	.0440349	.0949330

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 276.4399	.0363890	42.88175	-.002468	46.35192	.0024372
Stddev	3.4530	.0045992	.07471	.028131	.17304	.0002217
%RSD	1.249089	12.63905	.1742310	1139.993	.3733138	9.095648
#1	278.1868	.0311342	42.79913	.029606	46.15707	.0024123
#2	272.4625	.0383506	42.94457	-.014056	46.41102	.0022290
#3	278.6704	.0396821	42.90156	-.022953	46.48767	.0026702

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0490017	-.025807	32.14606	.3232513	-.011316	-.011919
Stddev	.0243940	.002981	.57341	.0374884	.000103	.000801
%RSD	49.78187	11.54949	1.783764	11.59728	.9106391	6.717566
#1	.0348408	-.024417	31.54836	.3531559	-.011383	-.011077
#2	.0349951	-.023776	32.69162	.2811943	-.011197	-.012010
#3	.0771693	-.029229	32.19820	.3354038	-.011367	-.012670

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: LR2 Acquired: 8/24/2024 12:13:49 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013165	-.051232	-.008303	2.030686	.1283912	-.008276
Stddev	.0013200	.001382	.006661	.014785	.0033145	.002386
%RSD	100.2606	2.698222	80.21873	.7280835	2.581525	28.82319
#1	.0022210	-.051327	-.001076	2.027703	.1259902	-.008078
#2	-.000198	-.049805	-.014195	2.046735	.1270106	-.005996
#3	.001927	-.052565	-.009640	2.017620	.1321728	-.010755

Elem	Sr4077
Units	ppm
Avg	.0016226
Stddev	.0001330
%RSD	8.193405
#1	.0016086
#2	.0014973
#3	.0017620

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3858.390	66627.64	6145.527	3432.112	6398.069
Stddev	7.253	321.02	18.517	12.851	.597
%RSD	.1879744	.4818056	.3013098	.3744277	.0093260
#1	3860.857	66940.19	6164.822	3446.949	6398.275
#2	3864.087	66298.78	6143.858	3424.507	6398.535
#3	3850.225	66643.95	6127.901	3424.880	6397.396

Sample Name: PB162625BL Acquired: 8/24/2024 12:19:04 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002052	.0001352	.0003832	-.000045	.0003036	-.005460	.0001221
Stddev	.002743	.0006558	.0010616	.002013	.0015482	.024668	.0017305
%RSD	133.6346	484.9491	277.0032	4442.428	509.9884	451.7777	1416.675
#1	-.002113	.0007888	-.000350	.001530	.0014588	.011757	.0017155
#2	-.004764	-.000523	-.000101	-.002313	.0009075	-.033721	.0003699
#3	.000720	.000140	.001601	.000647	-.001456	.005583	-.001719

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000096	-.000014	.0062722	.0004095	.0002671	.0020430	-.007166
Stddev	.000045	.000105	.0189278	.0003392	.0001781	.0006290	.006308
%RSD	47.30109	768.3430	301.7715	82.83627	66.67018	30.78892	88.02210
#1	-.000050	.000073	.0277330	.0007475	.0000629	.0013470	-.006746
#2	-.000096	.000016	-.000875	.0000691	.0003485	.0022110	-.001079
#3	-.000141	-.000130	-.008041	.0004119	.0003899	.0025709	-.013674

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006168	.0035076	.0002466	-.000092	.0103492	-.000036	.0003501
Stddev	.0006151	.0124225	.0004152	.000359	.0251385	.003747	.0004741
%RSD	99.73175	354.1556	168.3529	390.9576	242.9027	10417.84	135.3951
#1	.0013110	-.007721	.0007249	-.000451	-.017179	.001394	-.000030
#2	.0003999	.001391	-.000021	-.000091	.032089	.002786	.000199
#3	.0001395	.016852	.000036	.000267	.016137	-.004287	.000881

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2202996	-.010366	-.000164	-.000976	-.001771	-.000451	-.000566
Stddev	.0335337	.000676	.000075	.000391	.001906	.008265	.003134
%RSD	15.22187	6.517880	45.70000	40.07838	107.5922	1833.741	553.8076
#1	.1816310	-.011103	-.000250	-.000529	.000419	.005244	-.002836
#2	.2378830	-.009776	-.000108	-.001145	-.002682	.003334	.003010
#3	.2413847	-.010219	-.000136	-.001255	-.003051	-.009930	-.001871

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: PB162625BL Acquired: 8/24/2024 12:19:04 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.003248	-.005569	-.000042
Stddev	.003604	.001042	.000145
%RSD	110.9583	18.71671	346.5044
#1	.000726	-.006745	.000105
#2	-.006304	-.004759	-.000046
#3	-.004165	-.005203	-.000185

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4556.023	62893.20	6204.600	3595.081	6976.084
Stddev	95.463	473.63	13.414	14.680	152.126
%RSD	2.095323	.7530724	.2161903	.4083478	2.180680
#1	4448.494	62486.91	6199.862	3581.551	6804.827
#2	4630.796	63413.40	6194.198	3610.690	7095.559
#3	4588.779	62779.28	6219.740	3593.001	7027.866

Sample Name: PB162625BS Acquired: 8/24/2024 12:23:24 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8323252	2.040620	1.000948	2.070792	.8267039	1.959403
Stddev	.0028124	.005257	.007535	.013865	.0043460	.016556
%RSD	.3378936	.2575953	.7528360	.6695399	.5257040	.8449315
#1	.8296607	2.038406	.992285	2.056987	.8219188	1.956256
#2	.8320499	2.046622	1.004581	2.070672	.8277868	1.977305
#3	.8352652	2.036833	1.005979	2.084716	.8304060	1.944646

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1953014	.2098519	.1976831	1.048963	.4088090	.2020095
Stddev	.0007606	.0010044	.0009350	.012064	.0005510	.0006403
%RSD	.3894386	.4786254	.4730006	1.150054	.1347857	.3169568
#1	.1955589	.2096125	.1966667	1.060149	.4091122	.2012704
#2	.1944455	.2109544	.1978758	1.050559	.4081730	.2023954
#3	.1958999	.2089889	.1985067	1.036181	.4091419	.2023627

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3160710	2.935303	.2015675	2.040586	.5023478	.0758708
Stddev	.0020803	.006165	.0011534	.018842	.0031423	.0004314
%RSD	.6581917	.2100451	.5722139	.9233555	.6255187	.5685650
#1	.3137808	2.928941	.2023557	2.020151	.4989936	.0755055
#2	.3165881	2.935717	.2021031	2.057272	.5028266	.0757601
#3	.3178440	2.941251	.2002437	2.044335	.5052231	.0763467

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.761014	.2960531	.1994474	9.551329	.2743068	.4043177
Stddev	.014927	.0003056	.0002634	.036709	.0004595	.0022914
%RSD	.5406311	.1032288	.1320852	.3843340	.1675305	.5667368
#1	2.749706	.2957597	.1993961	9.570003	.2738179	.4016799
#2	2.777933	.2963696	.1992133	9.509037	.2747299	.4058150
#3	2.755401	.2960300	.1997326	9.574947	.2743727	.4054584

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: PB162625BS Acquired: 8/24/2024 12:23:24 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6968968	.1922506	F .6542964	5.944580	F -.011745	.1875649
Stddev	.0053872	.0023389	.0087568	.032758	.001000	.0016314
%RSD	.7730325	1.216583	1.338348	.5510526	8.512909	.8697610
#1	.6907714	.1906022	.6621555	5.909564	-.011504	.1856862
#2	.6990204	.1949275	.6448571	5.949700	-.010887	.1883845
#3	.7008986	.1912221	.6558764	5.974476	-.012843	.1886240

Elem	Sr4077
Units	ppm
Avg	.1920496
Stddev	.0003219
%RSD	.1676337
#1	.1916782
#2	.1922486
#3	.1922221

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4365.266	63078.26	6275.946	3615.053	6461.405
Stddev	17.934	182.14	16.094	12.888	26.492
%RSD	.4108358	.2887473	.2564320	.3565195	.4100002
#1	4385.936	63180.23	6287.108	3619.112	6491.857
#2	4356.029	63186.56	6257.498	3625.423	6443.667
#3	4353.834	62867.97	6283.233	3600.624	6448.691

Sample Name: P3622-01 Acquired: 8/24/2024 12:27:32 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050159	.0010471	.0220658	.0340247	.0038773	13.19871
Stddev	.0045705	.0016883	.0020562	.0019556	.0020469	.04270
%RSD	91.12091	161.2387	9.318617	5.747488	52.79145	.3235112
#1	.0000465	.0019460	.0209672	.0341297	.0058059	13.15359
#2	.0090395	.0020958	.0244380	.0320187	.0040963	13.20405
#3	.0059616	-.000900	.0207922	.0359256	.0017297	13.23849

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4490436	.0009422	.0004926	197.0379	.0504339	.0099451
Stddev	.0031687	.0000544	.0000861	.4950	.0003832	.0000334
%RSD	.7056506	5.775377	17.48205	.2512434	.7597586	.3354958
#1	.4454186	.0008827	.0005287	196.5048	.0508671	.0099330
#2	.4504263	.0009895	.0003944	197.1258	.0502951	.0099194
#3	.4512860	.0009543	.0005549	197.4832	.0501395	.0099828

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0822883	17.46832	.5117171	49.62284	.0472855	.0007418
Stddev	.0006934	.09150	.0033416	.10388	.0004793	.0006091
%RSD	.8427066	.5238170	.6530238	.2093307	1.013561	82.10828
#1	.0818388	17.36548	.5079111	49.52073	.0469678	.0000387
#2	.0819392	17.49871	.5130706	49.61942	.0470519	.0010777
#3	.0830870	17.54075	.5141697	49.72839	.0478368	.0011090

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	452.8790	.0361411	.8554854	13.71093	.2253694	.0217978
Stddev	3.9843	.0043143	.0016209	.05276	.0009476	.0002808
%RSD	.8797715	11.93741	.1894755	.3847757	.4204680	1.288125
#1	457.4762	.0378803	.8559012	13.68907	.2245363	.0215972
#2	450.7364	.0393144	.8568580	13.77110	.2264003	.0221187
#3	450.4245	.0312287	.8536971	13.67261	.2251715	.0216775

Sample Name: P3622-01 Acquired: 8/24/2024 12:27:32 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001936	.3818557	F 22.72388	.9889763	F 145.8173	.0308402
Stddev	.000404	.0035788	.12878	.0049517	1.0856	.0018595
%RSD	20.87943	.9372141	.5667248	.5006840	.7444749	6.029324
#1	-.001961	.3800916	22.58649	.9854001	144.9019	.0289648
#2	-.001520	.3795015	22.84184	.9869007	145.5334	.0326833
#3	-.002328	.3859741	22.74332	.9946279	147.0166	.0308726

Elem	Sr4077
Units	ppm
Avg	1.591300
Stddev	.007826
%RSD	.4918078
#1	1.583366
#2	1.591521
#3	1.599013

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4208.456	60278.64	6389.724	3479.249	5644.725
Stddev	20.086	237.93	34.130	15.868	30.965
%RSD	.4772827	.3947213	.5341433	.4560852	.5485729
#1	4217.868	60028.57	6351.180	3461.587	5664.423
#2	4222.108	60305.13	6416.112	3483.858	5660.718
#3	4185.392	60502.22	6401.881	3492.303	5609.033

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3687-05 Acquired: 8/24/2024 12:31:50 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046406	.0007201	.1135778	-.002458	.0061265	7.005228
Stddev	.0018666	.0013690	.0014589	.000435	.0010403	.027790
%RSD	40.22357	190.1225	1.284488	17.70358	16.98020	.3967072
#1	.0024869	.0000672	.1120592	-.002695	.0049619	7.031978
#2	.0056438	.0022933	.1137057	-.001956	.0064541	7.007203
#3	.0057912	-.000200	.1149686	-.002724	.0069636	6.976503

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1553579	.0008212	.0004802	60.83223	.0279827	.0066140
Stddev	.0012812	.0000194	.0000400	.13637	.0001834	.0002335
%RSD	.8246659	2.357836	8.320641	.2241686	.6555965	3.529718
#1	.1539400	.0008310	.0004501	60.98761	.0280161	.0063575
#2	.1564324	.0007989	.0005256	60.77667	.0281471	.0066703
#3	.1557013	.0008337	.0004651	60.73242	.0277848	.0068141

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1212256	19.04709	.3147914	12.29224	.0209333	.0006618
Stddev	.0012948	.17942	.0010725	.08346	.0001911	.0002522
%RSD	1.068094	.9419827	.3407142	.6789523	.9127180	38.11198
#1	.1202977	19.20124	.3156291	12.38818	.0208710	.0004418
#2	.1206744	18.85014	.3151624	12.25212	.0207812	.0009370
#3	.1227048	19.08989	.3135826	12.23640	.0211477	.0006064

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.80045	.0247120	1.090252	5.510846	.0112030	.0056111
Stddev	.12431	.0027764	.005416	.061131	.0006941	.0003585
%RSD	.8398936	11.23503	.4967563	1.109292	6.195812	6.388223
#1	14.90193	.0221696	1.094605	5.467963	.0104611	.0055035
#2	14.66179	.0276746	1.091965	5.483730	.0113114	.0053187
#3	14.83762	.0242920	1.084187	5.580845	.0118365	.0060110

Sample Name: P3687-05 Acquired: 8/24/2024 12:31:50 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000615	.3024683	F 10.11084	2.441774	8.196683	-.008737
Stddev	.000314	.0009996	.09011	.019050	.070635	.002479
%RSD	51.00710	.3304866	.8912347	.7801836	.8617490	28.37854
#1	-.000693	.3024703	10.19841	2.424789	8.143755	-.005915
#2	-.000883	.3034670	10.01839	2.438162	8.169404	-.009729
#3	-.000270	.3014678	10.11571	2.462372	8.276889	-.010566

Elem	Sr4077
Units	ppm
Avg	.1476391
Stddev	.0002141
%RSD	.1450165
#1	.1477659
#2	.1477594
#3	.1473919

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4530.404	63637.10	6301.239	3688.080	6544.732
Stddev	31.397	207.13	32.753	20.841	52.983
%RSD	.6930332	.3254869	.5197869	.5651011	.8095541
#1	4560.831	63400.24	6314.487	3665.762	6597.187
#2	4532.263	63784.25	6263.938	3691.442	6545.771
#3	4498.119	63726.83	6325.294	3707.036	6491.236

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3687-06 Acquired: 8/24/2024 12:36:00 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065810	.0003478	.1304577	-.001758	.0058984	7.913206
Stddev	.0034701	.0019910	.0026152	.000795	.0013179	.061803
%RSD	52.72910	572.4576	2.004649	45.24712	22.34344	.7810109
#1	.0058201	.0021777	.1334713	-.001004	.0044233	7.941711
#2	.0103684	.0006380	.1291191	-.002589	.0069600	7.955613
#3	.0035545	-.001772	.1287828	-.001679	.0063118	7.842295

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1773846	.0009591	.0004964	67.81861	.0274027	.0072061
Stddev	.0008884	.0000562	.0000602	.38826	.0004878	.0001021
%RSD	.5008198	5.858735	12.12017	.5724947	1.780272	1.417224
#1	.1768859	.0008959	.0004946	67.89473	.0273597	.0071315
#2	.1784103	.0009779	.0005575	68.16316	.0269378	.0073225
#3	.1768577	.0010034	.0004372	67.39792	.0279107	.0071644

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1294964	21.42863	.3443651	13.80695	.0213729	.0009463
Stddev	.0003412	.06441	.0015915	.05152	.0003050	.0006913
%RSD	.2634731	.3005946	.4621605	.3731546	1.427065	73.05676
#1	.1298718	21.36539	.3454298	13.83243	.0210251	.0016957
#2	.1292051	21.42632	.3451299	13.84076	.0215945	.0003334
#3	.1294123	21.49416	.3425356	13.74765	.0214992	.0008097

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.39586	.0253030	1.197444	6.119096	.0131493	.0063346
Stddev	.05130	.0058613	.005000	.051474	.0008705	.0001645
%RSD	.3128687	23.16451	.4175912	.8412059	6.619796	2.596663
#1	16.36576	.0289500	1.199763	6.159977	.0140898	.0063040
#2	16.36672	.0185419	1.200864	6.061290	.0123720	.0065123
#3	16.45509	.0284170	1.191705	6.136022	.0129861	.0061876

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3687-06 Acquired: 8/24/2024 12:36:00 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000277	.3472279	F 11.59668	2.699057	9.057080	-.001541
Stddev	.000161	.0046431	.05882	.016684	.029074	.001754
%RSD	58.17800	1.337194	.5072262	.6181323	.3210043	113.8486
#1	-.000201	.3476747	11.53867	2.718170	9.090636	-.000618
#2	-.000463	.3516315	11.59508	2.691597	9.039416	-.000441
#3	-.000168	.3423776	11.65628	2.687406	9.041187	-.003564

Elem	Sr4077
Units	ppm
Avg	.1643789
Stddev	.0011328
%RSD	.6891067
#1	.1649859
#2	.1650788
#3	.1630720

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4423.297	62810.05	6226.607	3612.176	6360.318
Stddev	15.348	407.17	93.348	18.401	15.612
%RSD	.3469757	.6482559	1.499182	.5094102	.2454594
#1	4414.773	62341.74	6136.195	3591.011	6347.769
#2	4414.102	63080.29	6220.987	3621.140	6355.385
#3	4441.014	63008.11	6322.638	3624.377	6377.801

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3687-06DUP Acquired: 8/24/2024 12:40:10 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0063446	-.000120	.1204308	-.001280	.0047665	7.577304
Stddev	.0006315	.001568	.0002752	.002960	.0002434	.012313
%RSD	9.952902	1312.037	.2285366	231.2708	5.106889	.1624939
#1	.0056155	-.000057	.1201631	.000355	.0047502	7.566719
#2	.0067027	.001417	.1207130	.000502	.0050176	7.574377
#3	.0067156	-.001718	.1204162	-.004696	.0045316	7.590817

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1685261	.0008954	.0003700	66.62458	.0271185	.0070876
Stddev	.0011567	.0000107	.0000449	.14582	.0003544	.0001200
%RSD	.6863701	1.193829	12.13705	.2188612	1.306789	1.692823
#1	.1672800	.0008854	.0003947	66.56350	.0275140	.0069507
#2	.1687327	.0009067	.0003182	66.79100	.0268298	.0071744
#3	.1695655	.0008940	.0003972	66.51924	.0270118	.0071377

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1275041	21.39483	.3367281	13.47843	.0206030	.0011665
Stddev	.0001984	.23922	.0013160	.04078	.0001360	.0005041
%RSD	.1555841	1.118112	.3908289	.3025900	.6600152	43.21554
#1	.1276543	21.37612	.3352166	13.49550	.0204654	.0011393
#2	.1272792	21.64286	.3376197	13.50790	.0207373	.0016836
#3	.1275786	21.16552	.3373480	13.43188	.0206063	.0006765

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.63350	.0229015	1.196542	6.071101	.0149342	.0061482
Stddev	.18027	.0012308	.003241	.070639	.0006997	.0000779
%RSD	1.083784	5.374155	.2708845	1.163521	4.684856	1.266405
#1	16.60337	.0231599	1.196295	6.152575	.0157366	.0061420
#2	16.82694	.0215621	1.199900	6.033730	.0144516	.0062290
#3	16.47019	.0239826	1.193432	6.026998	.0146144	.0060736

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3687-06DUP Acquired: 8/24/2024 12:40:10 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000812	.3246868	F 11.29403	2.449453	8.173554	-.005589
Stddev	.000384	.0028069	.16181	.002753	.041609	.002365
%RSD	47.24123	.8644943	1.432714	.1123779	.5090634	42.31549
#1	-.001255	.3249757	11.32485	2.446903	8.151005	-.007261
#2	-.000607	.3217466	11.43821	2.449085	8.148088	-.006623
#3	-.000574	.3273381	11.11902	2.452372	8.221570	-.002883

Elem	Sr4077
Units	ppm
Avg	.1610299
Stddev	.0003278
%RSD	.2035510
#1	.1607817
#2	.1609066
#3	.1614015

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4766.551	61297.36	6270.597	3576.120	6969.717
Stddev	9.529	393.84	34.025	25.359	21.000
%RSD	.1999078	.6425053	.5426048	.7091156	.3013070
#1	4763.399	61352.51	6295.497	3581.424	6974.125
#2	4777.256	60878.86	6284.466	3548.528	6988.164
#3	4758.998	61660.72	6231.829	3598.406	6946.863

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: CCV02 Acquired: 8/24/2024 12:49:01 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.959236	4.866923	4.902092	5.001908	4.892178	9.724200	9.814321
Stddev	.019475	.027636	.012260	.016205	.015871	.093627	.054402
%RSD	.3927039	.5678364	.2500949	.3239774	.3244131	.9628230	.5543165
#1	4.966932	4.872484	4.907151	5.012946	4.903438	9.617575	9.751704
#2	4.937089	4.836929	4.888113	4.983303	4.874027	9.762039	9.841279
#3	4.973687	4.891355	4.911013	5.009474	4.899070	9.792985	9.849980

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2541944	2.462511	24.52751	.9965480	2.460900	1.232876	4.790524
Stddev	.0005027	.007513	.17480	.0055645	.008376	.004216	.015473
%RSD	.1977700	.3050972	.7126602	.5583741	.3403701	.3419477	.3229825
#1	.2540662	2.467210	24.32590	.9986771	2.469893	1.236213	4.795432
#2	.2547489	2.453846	24.62009	1.000733	2.453320	1.228138	4.802947
#3	.2537682	2.466476	24.63655	.990233	2.459487	1.234276	4.773193

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.441364	24.45258	2.445692	1.231295	23.26595	2.439467	2.434418
Stddev	.013106	.13461	.008465	.005867	.06845	.018361	.015420
%RSD	.5368370	.5504975	.3461024	.4764695	.2941893	.7526772	.6334355
#1	2.426764	24.30506	2.451379	1.237161	23.27483	2.418319	2.450193
#2	2.452114	24.56873	2.435964	1.231297	23.32953	2.448740	2.433682
#3	2.445214	24.48397	2.449732	1.225428	23.19350	2.451343	2.419378

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.70725	5.079427	4.856089	4.918227	4.876209	4.756471	5.063131
Stddev	.14277	.006100	.011954	.017400	.038702	.051714	.021130
%RSD	.6022151	.1200839	.2461742	.3537831	.7936986	1.087240	.4173355
#1	23.54252	5.073662	4.861952	4.924059	4.833272	4.696859	5.080723
#2	23.79516	5.085813	4.842335	4.898660	4.886946	4.783261	5.039693
#3	23.78407	5.078806	4.863980	4.931962	4.908410	4.789295	5.068976

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: CCV02 Acquired: 8/24/2024 12:49:01 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.893093	4.642266	4.894148
Stddev	.022180	.031254	.032840
%RSD	.4532903	.6732477	.6710065
#1	4.906230	4.606177	4.861729
#2	4.867485	4.660272	4.893321
#3	4.905565	4.660348	4.927394

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4296.513	60808.99	6092.876	3476.604	6083.308
Stddev	17.465	205.79	35.066	15.832	25.480
%RSD	.4064843	.3384255	.5755238	.4553786	.4188454
#1	4295.477	60870.89	6132.534	3467.925	6075.326
#2	4314.472	60579.35	6065.969	3467.009	6111.823
#3	4279.589	60976.73	6080.127	3494.877	6062.775

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: CCB02 Acquired: 8/24/2024 12:53:12 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000984	-.000675	-.001015	.0027598	.0000993	-.008842	.0016941
Stddev	.000927	.000584	.000270	.0008533	.0024290	.012972	.0017839
%RSD	94.26458	86.63194	26.60468	30.92048	2445.104	146.7005	105.3017
#1	.000077	-.001273	-.001230	.0023435	-.001333	-.005736	.0030707
#2	-.001643	-.000106	-.001104	.0021945	.002904	-.023085	.0023328
#3	-.001385	-.000645	-.000712	.0037414	-.001273	.002294	-.000321

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000108	-.000011	-.005011	.0004972	-.000019	.0000346	.0049299
Stddev	.000058	.000045	.039481	.0003376	.000315	.0005376	.0056529
%RSD	53.32680	414.0167	787.9126	67.89727	1647.463	1553.241	114.6643
#1	-.000171	-.000004	.006753	.0001096	-.000359	-.000576	.0063372
#2	-.000096	.000030	-.049037	.0007269	.000264	.000438	-.001294
#3	-.000058	-.000058	.027251	.0006551	.000037	.000242	.009746

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000374	-.013767	-.000238	.0001143	.0078764	.0023039	.0002274
Stddev	.000630	.014610	.000200	.0003415	.0186005	.0012724	.0003943
%RSD	168.2954	106.1220	84.05235	298.8754	236.1549	55.22913	173.3443
#1	-.000026	.002468	-.000070	-.000126	-.013397	.0024774	-.000142
#2	-.001101	-.025856	-.000185	-.000037	.015951	.0034807	.000643
#3	.000005	-.017914	-.000460	.000505	.021075	.0009536	.000181

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2296735	.0025162	.0001062	.0001724	-.001115	.0138585	-.000575
Stddev	.0442077	.0013436	.0000746	.0004900	.001838	.0032870	.002777
%RSD	19.24807	53.39708	70.24076	284.2408	164.7662	23.71856	482.8558
#1	.1863822	.0016805	.0001320	-.000141	-.001791	.0176226	.001358
#2	.2747439	.0040660	.0000221	-.000079	.000965	.0115546	.000674
#3	.2278942	.0018021	.0001645	.000737	-.002519	.0123982	-.003757

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: CCB02 Acquired: 8/24/2024 12:53:12 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB02 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002378	-.003724	.0000839
Stddev	.002939	.000929	.0001774
%RSD	123.5837	24.95257	211.4033
#1	.001011	-.004019	.0002474
#2	-.003922	-.004470	-.000105
#3	-.004224	-.002683	.000109

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4319.206	62167.23	6009.028	3544.261	6531.247
Stddev	31.340	61.60	14.055	11.255	49.072
%RSD	.7255863	.0990818	.2339047	.3175651	.7513483
#1	4290.568	62183.70	6012.871	3540.046	6492.249
#2	4314.367	62099.08	5993.450	3535.721	6515.145
#3	4352.684	62218.92	6020.762	3557.015	6586.348

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3687-06LX5 Acquired: 8/24/2024 12:57:32 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010485	.0004055	.0260807	.0006703	.0003161	1.677514	.0404432
Stddev	.0033797	.0016891	.0011994	.0012364	.0014321	.009607	.0016279
%RSD	322.3363	416.5435	4.598897	184.4392	453.0239	.5727202	4.025177
#1	.0049507	.0020878	.0255351	.0006260	-.001337	1.688349	.0421408
#2	-.000944	.0004190	.0252510	-.000543	.001182	1.670032	.0388953
#3	-.000861	-.001290	.0274559	.001928	.001103	1.674162	.0402935

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001613	.0001406	14.67255	.0059870	.0011936	.0279993	4.443065
Stddev	.0001214	.0000780	.06103	.0005060	.0003170	.0002685	.021978
%RSD	75.24528	55.50181	.4159391	8.451556	26.55783	.9590520	.4946670
#1	.0000827	.0001659	14.74063	.0054758	.0008422	.0277281	4.440287
#2	.0001002	.0002028	14.62275	.0064876	.0014581	.0282651	4.422608
#3	.0003011	.0000531	14.65427	.0059977	.0012804	.0280047	4.466300

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0729760	2.988339	.0042451	.0005177	3.392248	.0060832	.2505843
Stddev	.0001491	.042735	.0001789	.0004867	.040796	.0013021	.0006846
%RSD	.2043168	1.430068	4.213336	94.01006	1.202615	21.40426	.2731931
#1	.0731286	3.035951	.0043644	.0004376	3.388942	.0066402	.2501050
#2	.0728306	2.953301	.0040394	.0010395	3.353206	.0045953	.2502795
#3	.0729688	2.975765	.0043313	.0000761	3.434597	.0070141	.2513683

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.362707	.0024981	.0011421	.0008453	.0678624	2.356067	.5325542
Stddev	.028349	.0011414	.0006078	.0007546	.0019468	.018410	.0022942
%RSD	2.080310	45.69133	53.21522	89.26932	2.868695	.7813999	.4307864
#1	1.339520	.0014656	.0011592	.0008349	.0701080	2.355111	.5311482
#2	1.354291	.0037238	.0005259	.0016050	.0666520	2.338153	.5352016
#3	1.394311	.0023050	.0017410	.0000959	.0668270	2.374936	.5313128

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3687-06LX5 Acquired: 8/24/2024 12:57:32 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.765431	-.004222	.0356533
Stddev	.000551	.001301	.0002164
%RSD	.0312222	30.80459	.6070346
#1	1.765660	-.005078	.0358954
#2	1.764802	-.002726	.0354786
#3	1.765830	-.004864	.0355859

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4530.221	62246.87	6073.152	3548.391	6763.296
Stddev	26.598	392.54	18.240	29.298	34.865
%RSD	.5871176	.6306182	.3003385	.8256599	.5154992
#1	4508.400	62666.13	6071.078	3575.144	6735.821
#2	4522.413	62186.43	6056.038	3552.947	6751.551
#3	4559.848	61888.06	6092.340	3517.083	6802.517

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3687-06MS Acquired: 8/24/2024 13:01:48 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8283900	2.044306	1.114334	1.971253	.7985221	9.723770
Stddev	.0010168	.017586	.001013	.001357	.0040174	.036724
%RSD	.1227454	.8602570	.0908739	.0688554	.5031045	.3776731
#1	.8289745	2.024566	1.115323	1.972752	.8005226	9.692018
#2	.8289796	2.050050	1.114381	1.970900	.7938972	9.763987
#3	.8272158	2.058301	1.113299	1.970107	.8011464	9.715304

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3713032	.2213886	.1975351	68.18625	.4570250	.2098644
Stddev	.0017840	.0000501	.0004430	.10162	.0015577	.0007580
%RSD	.4804680	.0226456	.2242415	.1490338	.3408292	.3611672
#1	.3692648	.2213542	.1980277	68.20991	.4572102	.2102619
#2	.3725801	.2214462	.1974081	68.27396	.4584818	.2103409
#3	.3720646	.2213656	.1971695	68.07489	.4553830	.2089903

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4379165	24.04764	.5440209	15.66425	.5230847	.0787208
Stddev	.0017169	.01460	.0013158	.02881	.0014122	.0007606
%RSD	.3920532	.0607181	.2418726	.1839013	.2699810	.9661623
#1	.4394392	24.05072	.5455358	15.64111	.5246137	.0795978
#2	.4382545	24.03175	.5431626	15.65512	.5228110	.0783214
#3	.4360558	24.06046	.5433642	15.69652	.5218293	.0782431

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.43672	.3291220	1.415176	16.08703	.3115020	.4129786
Stddev	.04945	.0013102	.003477	.04494	.0015236	.0015884
%RSD	.2543937	.3980905	.2456917	.2793631	.4891152	.3846246
#1	19.42337	.3284545	1.414547	16.07685	.3119156	.4145570
#2	19.49147	.3306315	1.418925	16.04805	.3127761	.4129985
#3	19.39532	.3282799	1.412057	16.13619	.3098143	.4113804

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3687-06MS Acquired: 8/24/2024 13:01:48 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6985442	.5260001	F 11.83199	8.481285	8.545415	.1992162
Stddev	.0024692	.0020349	.04350	.015619	.011106	.0024464
%RSD	.3534825	.3868573	.3676659	.1841584	.1299623	1.227997
#1	.7013665	.5236850	11.83574	8.498826	8.537663	.2018482
#2	.6974837	.5275053	11.78674	8.476144	8.540445	.1970118
#3	.6967824	.5268100	11.87350	8.468885	8.558138	.1987886

Elem	Sr4077
Units	ppm
Avg	.3562420
Stddev	.0016103
%RSD	.4520361
#1	.3554630
#2	.3580938
#3	.3551694

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4582.037	60414.42	6049.102	3511.529	6617.075
Stddev	27.400	116.37	20.748	7.550	36.219
%RSD	.5979850	.1926213	.3429969	.2149944	.5473511
#1	4555.752	60297.19	6046.464	3503.840	6584.101
#2	4579.929	60416.15	6029.799	3511.815	6611.283
#3	4610.430	60529.92	6071.043	3518.931	6655.840

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3687-06MSD Acquired: 8/24/2024 13:05:52 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8677911	2.061746	1.147396	2.076029	.8025870	9.827193
Stddev	.0049244	.016084	.003945	.012424	.0017534	.002596
%RSD	.5674602	.7801390	.3438243	.5984463	.2184699	.0264160
#1	.8734682	2.079967	1.151855	2.088783	.8045400	9.830187
#2	.8646739	2.049521	1.145975	2.063964	.8020732	9.825574
#3	.8652312	2.055750	1.144359	2.075340	.8011480	9.825817

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3793706	.2164094	.2033265	67.38241	.4583445	.2156395
Stddev	.0019297	.0012935	.0002740	.12699	.0014873	.0007545
%RSD	.5086648	.5977083	.1347784	.1884658	.3244994	.3498676
#1	.3804459	.2176636	.2035903	67.35399	.4600271	.2165024
#2	.3805231	.2150799	.2033459	67.52120	.4572054	.2151038
#3	.3771428	.2164846	.2030432	67.27202	.4578009	.2153124

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4433565	24.46477	.5420101	15.55867	.5380747	.0776683
Stddev	.0018903	.19288	.0011031	.03853	.0013581	.0012228
%RSD	.4263646	.7884058	.2035270	.2476564	.2523990	1.574366
#1	.4454584	24.39148	.5412143	15.51790	.5394687	.0785609
#2	.4417960	24.68356	.5432693	15.56362	.5379999	.0781694
#3	.4428149	24.31928	.5415466	15.59448	.5367556	.0762746

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.16398	.3330179	1.398279	16.09315	.3025103	.4080675
Stddev	.11377	.0083269	.008590	.07846	.0019559	.0009976
%RSD	.5936499	2.500428	.6142927	.4875331	.6465574	.2444651
#1	19.15256	.3261758	1.407490	16.04002	.3034260	.4092162
#2	19.28303	.3422892	1.390488	16.18326	.3002645	.4075683
#3	19.05635	.3305887	1.396859	16.05615	.3038403	.4074181

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3687-06MSD Acquired: 8/24/2024 13:05:52 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7003707	.5348849	F 12.28432	8.983413	9.009572	.1929892
Stddev	.0022728	.0028336	.08538	.041228	.031024	.0025479
%RSD	.3245098	.5297628	.6950139	.4589388	.3443400	1.320238
#1	.7021091	.5316646	12.21779	9.026123	9.041885	.1958755
#2	.7012041	.5359930	12.38059	8.943847	8.980022	.1910523
#3	.6977989	.5369970	12.25458	8.980269	9.006808	.1920399

Elem	Sr4077
Units	ppm
Avg	.3567282
Stddev	.0006180
%RSD	.1732432
#1	.3568936
#2	.3572467
#3	.3560444

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4309.257	60433.82	6125.864	3492.830	6175.743
Stddev	19.896	230.08	25.249	9.164	27.067
%RSD	.4617037	.3807184	.4121747	.2623738	.4382835
#1	4286.628	60332.74	6097.052	3482.336	6145.523
#2	4317.134	60271.58	6144.134	3496.903	6183.948
#3	4324.008	60697.14	6136.406	3499.252	6197.758

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3687-06A Acquired: 8/24/2024 13:09:56 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8828410	2.111020	1.141403	2.119273	.8491694	8.689309
Stddev	.0056374	.012078	.001573	.006345	.0039314	.022409
%RSD	.6385499	.5721230	.1377744	.2993996	.4629702	.2578878
#1	.8888666	2.120803	1.143185	2.126421	.8534578	8.665976
#2	.8819610	2.097521	1.140814	2.117093	.8483145	8.691289
#3	.8776954	2.114737	1.140211	2.114306	.8457357	8.710662

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3554607	.2241281	.2070757	58.37723	.4624863	.2185265
Stddev	.0009468	.0013977	.0005013	.28050	.0024388	.0008393
%RSD	.2663714	.6235990	.2420960	.4805005	.5273261	.3840847
#1	.3544951	.2248826	.2075762	58.06463	.4596769	.2194944
#2	.3554993	.2249865	.2070771	58.46010	.4637223	.2180851
#3	.3563876	.2225154	.2065736	58.60697	.4640597	.2179999

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4303062	21.19675	.5026329	13.76807	.5431591	.0791850
Stddev	.0018321	.20363	.0018950	.08636	.0005843	.0002125
%RSD	.4257747	.9606619	.3770204	.6272629	.1075826	.2683361
#1	.4323626	20.96889	.5011741	13.66921	.5437425	.0790658
#2	.4297080	21.26042	.5047748	13.80617	.5431608	.0790588
#3	.4288479	21.36094	.5019498	13.82884	.5425739	.0794303

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.83114	.3417973	1.234131	15.24711	.3091139	.4314516
Stddev	.14457	.0083774	.001533	.11260	.0011540	.0002877
%RSD	.8589162	2.450994	.1242126	.7385103	.3733236	.0666892
#1	16.68596	.3417850	1.235729	15.24439	.3091755	.4317085
#2	16.83237	.3334261	1.232673	15.13589	.3102358	.4315054
#3	16.97509	.3501809	1.233992	15.36104	.3079303	.4311407

Sample Name: P3687-06A Acquired: 8/24/2024 13:09:56 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7397090	.4927297	F 10.48834	8.696007	7.820681	.1995386
Stddev	.0019813	.0009020	.13447	.019558	.032622	.0011263
%RSD	.2678458	.1830611	1.282068	.2249028	.4171247	.5644433
#1	.7419288	.4917556	10.35035	8.718363	7.858317	.1986963
#2	.7381197	.4928975	10.49568	8.682061	7.803207	.1991016
#3	.7390786	.4935360	10.61899	8.687599	7.800518	.2008179

Elem	Sr4077
Units	ppm
Avg	.3388240
Stddev	.0007028
%RSD	.2074245
#1	.3380590
#2	.3389719
#3	.3394410

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4308.836	60285.15	6012.739	3477.356	6204.876
Stddev	22.489	247.29	28.287	18.833	32.719
%RSD	.5219163	.4101949	.4704491	.5415935	.5273081
#1	4283.013	60231.43	5980.099	3470.626	6167.287
#2	4324.115	60554.88	6030.128	3498.629	6226.958
#3	4319.380	60069.14	6027.989	3462.812	6220.384

Sample Name: PB162912BL Acquired: 8/24/2024 13:14:00 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000327	-.001040	-.000237	.0000097	.0008326	-.004580	.0017713
Stddev	.002130	.001070	.000720	.0017265	.0015072	.017742	.0025979
%RSD	651.5635	102.8212	303.2212	17875.35	181.0300	387.3736	146.6672
#1	-.002300	-.001889	.000376	-.001805	.0009023	.013572	-.001107
#2	-.000612	.000161	-.000058	.000202	-.000708	-.021882	.003941
#3	.001931	-.001393	-.001030	.001632	.002304	-.005430	.002480

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000141	.0000789	.0252488	.0001237	.0002481	-.000461	-.005355
Stddev	.000017	.0000559	.0084707	.0001913	.0001168	.000013	.001938
%RSD	11.90089	70.82963	33.54886	154.5843	47.08061	2.794737	36.17986
#1	-.000126	.0001266	.0262721	-.000096	.0002161	-.000473	-.005786
#2	-.000159	.0000174	.0163129	.000256	.0001506	-.000447	-.003239
#3	-.000138	.0000928	.0331613	.000210	.0003775	-.000461	-.007042

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000890	-.021672	-.000040	-.000483	-.037580	.0030685	.0006503
Stddev	.0007340	.037979	.000095	.000258	.020845	.0022145	.0001252
%RSD	825.0010	175.2462	237.3689	53.49609	55.46782	72.16875	19.25235
#1	.0009166	-.005748	-.000132	-.000320	-.042067	.0018345	.0005245
#2	-.000483	-.065020	-.000045	-.000348	-.055817	.0017459	.0007749
#3	-.000167	.005753	.000057	-.000781	-.014857	.0056250	.0006517

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1865937	-.008599	-.000290	.0013535	-.001516	.0061394	-.000330
Stddev	.0413231	.000314	.000087	.0005372	.001800	.0148628	.002336
%RSD	22.14604	3.646023	30.10838	39.68622	118.7635	242.0891	708.1907
#1	.2142320	-.008377	-.000189	.0010372	-.003393	.0106988	-.000840
#2	.1390894	-.008958	-.000341	.0019737	.000196	-.010469	.002219
#3	.2064597	-.008463	-.000340	.0010496	-.001350	.018188	-.002368

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: PB162912BL Acquired: 8/24/2024 13:14:00 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000653	-.007037	-.000046
Stddev	.002481	.001259	.000086
%RSD	380.1872	17.89835	188.6192
#1	.001763	-.008016	-.000127
#2	-.000527	-.005616	-.000055
#3	-.003195	-.007479	.000045

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4379.157	63999.80	6019.375	3629.901	6638.541
Stddev	27.428	271.86	15.701	16.652	44.474
%RSD	.6263377	.4247808	.2608459	.4587345	.6699352
#1	4351.957	64118.28	6002.508	3627.793	6593.405
#2	4378.705	64192.32	6033.567	3647.507	6639.896
#3	4406.808	63688.81	6022.049	3614.405	6682.322

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: PB162912BS Acquired: 8/24/2024 13:18:22 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7934524	1.983215	.9599534	1.967304	.7816920	1.940777
Stddev	.0078658	.018457	.0047300	.014233	.0081307	.014352
%RSD	.9913338	.9306403	.4927267	.7234764	1.040137	.7394794
#1	.7903271	1.988638	.9574992	1.960318	.7764320	1.926879
#2	.7876296	1.962655	.9569550	1.957914	.7775871	1.955543
#3	.8024004	1.998353	.9654060	1.983680	.7910567	1.939907

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1947216	.2082499	.1890996	1.070226	.3991991	.1929609
Stddev	.0005932	.0007072	.0013608	.018305	.0008829	.0010338
%RSD	.3046630	.3395884	.7196326	1.710360	.2211627	.5357523
#1	.1948837	.2080039	.1881440	1.050075	.4002175	.1922780
#2	.1952169	.2090473	.1884973	1.085826	.3987289	.1924544
#3	.1940641	.2076987	.1906577	1.074777	.3986508	.1941502

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3035110	2.817104	.2011070	2.022027	.4807725	.0740081
Stddev	.0026354	.013958	.0016253	.031175	.0033732	.0004280
%RSD	.8683095	.4954794	.8081890	1.541765	.7016255	.5783373
#1	.3019869	2.812803	.2004500	2.016872	.4786596	.0735636
#2	.3019921	2.832706	.2029580	2.055459	.4789952	.0740434
#3	.3065542	2.805802	.1999130	1.993752	.4846628	.0744174

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.669748	.2933898	.1958149	9.032353	.2761136	.3864725
Stddev	.032696	.0044367	.0003700	.121608	.0019837	.0034855
%RSD	1.224684	1.512238	.1889358	1.346355	.7184399	.9018652
#1	2.656636	.2964937	.1962367	8.892115	.2762169	.3840593
#2	2.706965	.2953674	.1956631	9.108659	.2780437	.3848897
#3	2.645643	.2883081	.1955451	9.096286	.2740803	.3904685

Sample Name: PB162912BS Acquired: 8/24/2024 13:18:22 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6611369	.1876813	F .5951332	5.675839	F -.009418	.1875368
Stddev	.0046018	.0039333	.0099249	.034640	.003239	.0013078
%RSD	.6960443	2.095758	1.667678	.6103034	34.39035	.6973658
#1	.6585745	.1859892	.6052211	5.651728	-.006494	.1890467
#2	.6583868	.1921775	.5853797	5.660256	-.008860	.1868052
#3	.6664496	.1848771	.5947989	5.715534	-.012899	.1867586

Elem	Sr4077
Units	ppm
Avg	.1908582
Stddev	.0014023
%RSD	.7347475
#1	.1906813
#2	.1923406
#3	.1895527

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4470.132	64107.50	6153.019	3634.413	6650.458
Stddev	24.243	341.96	43.601	7.529	28.068
%RSD	.5423427	.5334218	.7086083	.2071649	.4220396
#1	4477.551	64071.80	6166.873	3626.497	6652.000
#2	4489.800	63784.79	6104.174	3635.259	6677.723
#3	4443.046	64465.91	6188.009	3641.484	6621.652

Sample Name: P3645-01 Acquired: 8/24/2024 13:22:31 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0104442	.0009355	.0026309	.0000672	-.000678	.2751534
Stddev	.0013536	.0011860	.0005756	.0007118	.000573	.0214082
%RSD	12.96069	126.7687	21.87745	1059.878	84.58449	7.780457
#1	.0101741	-.000121	.0032888	.0001839	-.000019	.2519160
#2	.0092460	.002219	.0022204	.0007134	-.001063	.2794698
#3	.0119125	.000709	.0023834	-.000696	-.000951	.2940746

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1786104	-.000165	-.000216	63.69574	.0061323	.0081282
Stddev	.0013408	.000051	.000034	.13099	.0004861	.0001085
%RSD	.7506831	30.56014	15.64316	.2056497	7.927403	1.334599
#1	.1770827	-.000147	-.000225	63.84610	.0066691	.0081284
#2	.1791561	-.000222	-.000245	63.63479	.0057218	.0080196
#3	.1795922	-.000126	-.000179	63.60633	.0060059	.0082366

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020716	12.53746	2.939224	12.23238	.0053630	.0004356
Stddev	.0004101	.09396	.005378	.02142	.0004941	.0009193
%RSD	19.79705	.7494588	.1829586	.1751044	9.213059	211.0633
#1	.0025188	12.62026	2.939030	12.24473	.0055527	.0014498
#2	.0019828	12.55678	2.933946	12.24476	.0057342	-.000343
#3	.0017131	12.43534	2.944696	12.20764	.0048022	.000200

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	287.9470	.0028665	.1257797	9.150741	.2398088	.0008087
Stddev	1.4379	.0033426	.0005075	.082298	.0021230	.0001108
%RSD	.4993497	116.6093	.4035035	.8993543	.8852925	13.70617
#1	286.3277	.0008505	.1255530	9.224184	.2394371	.0007086
#2	289.0741	.0010240	.1263610	9.166246	.2378962	.0007897
#3	288.4394	.0067248	.1254250	9.061794	.2420931	.0009278

Sample Name: P3645-01 Acquired: 8/24/2024 13:22:31 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001767	.0025050	7.640418	.4507109	F 10.73662	-.017373
Stddev	.000772	.0035003	.096068	.0010232	.07511	.001837
%RSD	43.69772	139.7327	1.257363	.2270090	.6995946	10.57136
#1	-.000907	.0022028	7.715832	.4511793	10.78998	-.015306
#2	-.002401	-.000834	7.673164	.4514160	10.76916	-.018819
#3	-.001994	.006147	7.532258	.4495374	10.65073	-.017993

Elem	Sr4077
Units	ppm
Avg	.4118590
Stddev	.0009205
%RSD	.2234879
#1	.4110290
#2	.4116992
#3	.4128490

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4304.083	58722.99	6092.876	3379.978	6013.488
Stddev	39.389	243.41	31.340	12.911	53.774
%RSD	.9151646	.4145047	.5143687	.3819965	.8942277
#1	4292.702	58441.93	6097.509	3369.307	5996.487
#2	4271.637	58865.12	6121.641	3394.330	5970.269
#3	4347.910	58861.92	6059.477	3376.298	6073.708

Sample Name: P3645-02 Acquired: 8/24/2024 13:26:51 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038136	-.001435	.0004646	.0001713	.0004114	.1568133	.1233631
Stddev	.0015751	.001058	.0007131	.0031134	.0003596	.0122244	.0015303
%RSD	41.30185	73.73027	153.5001	1817.579	87.41878	7.795497	1.240517
#1	.0054149	-.002226	-.000336	.0037398	.0001510	.1654224	.1251004
#2	.0037598	-.001846	.001031	-.001236	.0002615	.1428212	.1227745
#3	.0022661	-.000233	.000699	-.001990	.0008218	.1621962	.1222146

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000108	-.000084	44.61362	.0045080	.0038164	.0021857	6.921136
Stddev	.000082	.000050	.13807	.0001906	.0001551	.0007457	.018737
%RSD	76.19136	59.17842	.3094723	4.228347	4.064907	34.11715	.2707174
#1	-.000203	-.000121	44.68513	.0045801	.0037814	.0018233	6.899636
#2	-.000057	-.000103	44.45446	.0042918	.0036817	.0016905	6.933980
#3	-.000064	-.000027	44.70126	.0046520	.0039860	.0030434	6.929791

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.420817	8.334044	.0040887	.0001198	174.8540	.0073377	.1296497
Stddev	.004224	.022101	.0003651	.0001399	.3198	.0055677	.0004258
%RSD	.2973178	.2651932	8.930117	116.7401	.1828765	75.87776	.3284331
#1	1.419755	8.327263	.0045080	.0001947	175.2224	.0085729	.1297478
#2	1.417224	8.316128	.0038407	.0002063	174.6481	.0012562	.1300179
#3	1.425471	8.358741	.0039175	-.000042	174.6915	.0121841	.1291834

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.872606	.1480703	.0006215	.0016856	-.000523	4.701066	.2074779
Stddev	.067532	.0016646	.0001213	.0004232	.001709	.006886	.0023006
%RSD	1.149949	1.124177	19.51611	25.10831	326.6022	.1464839	1.108822
#1	5.837309	.1493049	.0005120	.0012642	.001230	4.706534	.2075374
#2	5.830036	.1461772	.0007518	.0016819	-.000616	4.693332	.2097481
#3	5.950472	.1487287	.0006006	.0021106	-.002184	4.703332	.2051481

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3645-02 Acquired: 8/24/2024 13:26:51 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	8.273167	-.012332	.2845840
Stddev	.031286	.000943	.0012903
%RSD	.3781586	7.643547	.4534055
#1	8.308857	-.012512	.2858141
#2	8.260166	-.013172	.2832409
#3	8.250478	-.011313	.2846968

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4220.404	61792.41	6217.450	3525.845	5930.167
Stddev	3.004	419.63	60.100	28.962	4.005
%RSD	.0711732	.6791005	.9666317	.8214229	.0675294
#1	4221.663	61307.87	6150.181	3493.303	5932.102
#2	4216.975	62037.48	6265.856	3548.790	5925.563
#3	4222.573	62031.88	6236.311	3535.443	5932.837

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3656-01 Acquired: 8/24/2024 13:31:02 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003438	-.000429	.0006800	.0010480	.0000073	.0805523
Stddev	.001538	.002138	.0018742	.0009179	.0021293	.0175087
%RSD	44.74013	498.7423	275.6249	87.58167	29174.16	21.73586
#1	-.001681	-.001739	.0013532	.0013569	-.002444	.0713934
#2	-.004539	-.001586	-.001438	.0017716	.001394	.0695226
#3	-.004095	.002038	.002125	.0000155	.001073	.1007407

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1041334	-.000194	.0021591	57.81266	.0043853	.0005368
Stddev	.0014214	.000091	.0000824	.11384	.0008781	.0001115
%RSD	1.364998	46.74365	3.817017	.1969203	20.02485	20.77899
#1	.1048621	-.000095	.0020846	57.90194	.0048901	.0006592
#2	.1024954	-.000214	.0021452	57.85158	.0048946	.0004409
#3	.1050427	-.000273	.0022476	57.68446	.0033713	.0005103

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025812	.6168305	.2283954	10.43412	.0114458	-.000774
Stddev	.0006988	.0035147	.0013513	.02324	.0001545	.000596
%RSD	27.07373	.5698059	.5916283	.2227314	1.349582	77.00879
#1	.0032794	.6161516	.2299348	10.42116	.0114262	-.000541
#2	.0018818	.6206352	.2278462	10.46095	.0116091	-.000330
#3	.0025824	.6137047	.2274052	10.42025	.0113020	-.001451

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	97.51228	.0044856	.3479177	7.994585	.0767800	.0008716
Stddev	.13346	.0013442	.0007131	.043945	.0022018	.0003170
%RSD	.1368679	29.96674	.2049558	.5496898	2.867667	36.36947
#1	97.37006	.0055530	.3479351	7.961526	.0793144	.0005202
#2	97.63480	.0029760	.3486220	8.044454	.0753387	.0009586
#3	97.53199	.0049278	.3471961	7.977774	.0756868	.0011359

Sample Name: P3656-01 Acquired: 8/24/2024 13:31:02 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002521	-.002824	F 12.78265	.0199003	F 930.6361	-.018446
Stddev	.000423	.001093	.03367	.0007760	1.1230	.000449
%RSD	16.80061	38.70633	.2633788	3.899282	.1206693	2.432367
#1	-.002141	-.001568	12.74397	.0192380	930.3215	-.017945
#2	-.002443	-.003349	12.79863	.0207541	931.8828	-.018581
#3	-.002977	-.003556	12.80535	.0197088	929.7039	-.018811

Elem	Sr4077
Units	ppm
Avg	.2793830
Stddev	.0006608
%RSD	.2365104
#1	.2800367
#2	.2793968
#3	.2787154

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4488.401	61050.32	5970.285	3499.655	6444.532
Stddev	1.774	116.89	29.675	15.168	4.511
%RSD	.0395178	.1914729	.4970409	.4334074	.0699943
#1	4486.627	60982.81	5938.975	3509.857	6444.206
#2	4488.403	60982.85	5973.884	3482.225	6440.193
#3	4490.174	61185.30	5997.996	3506.882	6449.197

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3656-02 Acquired: 8/24/2024 13:35:22 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000579	-.001010	-.000993	.0001710	-.000428	.0805959
Stddev	.000839	.001024	.000410	.0017708	.000431	.0107940
%RSD	144.8677	101.3900	41.31240	1035.670	100.5440	13.39275
#1	-.000637	-.001374	-.001461	-.001063	-.000221	.0898064
#2	-.001388	-.001802	-.000700	.002200	-.000141	.0832629
#3	.000287	.000146	-.000817	-.000624	-.000923	.0687184

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1114998	-.000120	.0014555	61.30371	.0035646	.0005009
Stddev	.0017734	.000057	.0000866	.25542	.0003632	.0004373
%RSD	1.590458	47.52922	5.950600	.4166418	10.19044	87.31387
#1	.1115092	-.000083	.0013569	61.50366	.0031452	.0009625
#2	.1132685	-.000092	.0014906	61.39149	.0037798	.0000926
#3	.1097218	-.000186	.0015191	61.01598	.0037687	.0004476

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022117	.6743134	.2361258	11.00801	.0124849	-.000345
Stddev	.0002147	.0044990	.0007671	.03785	.0002198	.000137
%RSD	9.709217	.6671920	.3248513	.3438272	1.760687	39.69916
#1	.0022428	.6691288	.2365458	11.04295	.0122311	-.000363
#2	.0019831	.6766224	.2365911	11.01328	.0126090	-.000473
#3	.0024092	.6771891	.2352404	10.96780	.0126147	-.000200

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	103.5812	.0036153	.3645801	8.708937	.0762499	.0010251
Stddev	.4318	.0013094	.0025476	.032734	.0005033	.0002373
%RSD	.4168909	36.21802	.6987666	.3758694	.6600092	23.14596
#1	104.0757	.0042425	.3667686	8.731390	.0768002	.0012432
#2	103.2781	.0021103	.3651882	8.724043	.0758130	.0010596
#3	103.3899	.0044930	.3617836	8.671377	.0761364	.0007725

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3656-02 Acquired: 8/24/2024 13:35:22 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002040	-.001302	F 13.46721	.0182099	F 18.24773	-.019839
Stddev	.000182	.000793	.09883	.0021846	.02256	.004844
%RSD	8.914303	60.92551	.7338434	11.99683	.1236398	24.41507
#1	-.002249	-.001574	13.55168	.0206941	18.27065	-.015446
#2	-.001916	-.000408	13.35853	.0165881	18.24699	-.019037
#3	-.001956	-.001923	13.49142	.0173475	18.22555	-.025033

Elem	Sr4077
Units	ppm
Avg	.2971679
Stddev	.0015494
%RSD	.5213808
#1	.2979926
#2	.2981305
#3	.2953806

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4428.927	62353.01	6337.719	3563.306	6332.511
Stddev	7.492	211.27	53.682	22.640	13.749
%RSD	.1691548	.3388344	.8470317	.6353603	.2171138
#1	4436.773	62112.62	6329.398	3539.329	6347.972
#2	4421.849	62437.25	6288.683	3566.274	6321.659
#3	4428.160	62509.18	6395.076	3584.316	6327.902

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: CCV03 Acquired: 8/24/2024 13:44:11 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.060610	5.033277	5.064358	5.093688	5.009453	9.850301	9.845453
Stddev	.008894	.038283	.009050	.010537	.012295	.015618	.025867
%RSD	.1757572	.7605967	.1786921	.2068648	.2454451	.1585584	.2627257
#1	5.060180	4.989106	5.072185	5.086812	5.022113	9.833890	9.874738
#2	5.069712	5.056875	5.066440	5.105819	5.008686	9.852029	9.835899
#3	5.051939	5.053850	5.054449	5.088433	4.997558	9.864983	9.825723

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2632734	2.534590	24.75012	1.017047	2.529937	1.267787	4.724926
Stddev	.0008111	.005259	.02739	.004659	.003298	.003847	.014169
%RSD	.3080673	.2074818	.1106734	.4580454	.1303716	.3034582	.2998756
#1	.2624982	2.539926	24.75294	1.012330	2.533734	1.271727	4.716982
#2	.2641161	2.534430	24.72144	1.017165	2.527776	1.267593	4.716511
#3	.2632058	2.529412	24.77600	1.021645	2.528302	1.264040	4.741284

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.462473	24.83868	2.519187	1.248029	23.12654	2.467512	2.475930
Stddev	.007489	.05024	.005435	.003381	.03770	.004300	.008997
%RSD	.3041433	.2022540	.2157334	.2709340	.1629972	.1742817	.3633876
#1	2.468174	24.80685	2.524032	1.244231	23.12730	2.462684	2.465896
#2	2.465253	24.89660	2.520219	1.249147	23.08847	2.468917	2.478614
#3	2.453991	24.81260	2.513310	1.250710	23.16385	2.470934	2.483280

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.55486	5.253184	5.019420	5.076428	4.916382	4.708305	5.200575
Stddev	.04468	.013721	.009916	.008622	.007079	.040821	.015397
%RSD	.1896700	.2611855	.1975458	.1698383	.1439975	.8669939	.2960670
#1	23.50787	5.241425	5.028563	5.083025	4.924347	4.664969	5.217638
#2	23.55993	5.268259	5.020818	5.079587	4.913992	4.713915	5.196370
#3	23.59679	5.249869	5.008880	5.066672	4.910807	4.746030	5.187717

Sample Name: CCV03 Acquired: 8/24/2024 13:44:11 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.972452	4.759813	4.894554
Stddev	.009150	.011383	.014687
%RSD	.1840075	.2391452	.3000614
#1	4.964289	4.771442	4.877694
#2	4.982342	4.759303	4.904571
#3	4.970726	4.748693	4.901396

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4217.664	58967.16	5768.365	3368.389	5975.805
Stddev	36.050	222.57	17.527	10.504	48.696
%RSD	.8547348	.3774494	.3038418	.3118256	.8148937
#1	4177.984	59222.37	5784.880	3378.695	5921.104
#2	4226.607	58865.83	5749.977	3368.775	5991.878
#3	4248.400	58813.29	5770.239	3357.698	6014.433

Sample Name: CCB03 Acquired: 8/24/2024 13:48:22 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000257	.0005754	.0001096	.0020503	.0002460	-.001593	.0033730
Stddev	.000886	.0012003	.0023429	.0028693	.0029807	.031626	.0008858
%RSD	344.7909	208.5897	2138.339	139.9428	1211.595	1984.950	26.26131
#1	-.001267	.0016268	.0007743	.0020590	.0025508	-.012147	.0043491
#2	.000389	.0008318	-.002494	.0049153	-.003120	-.026593	.0026202
#3	.000107	-.000732	.002048	-.000823	.001307	.033961	.0031497

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000065	.0000114	.0204279	-.000104	.0001624	-.000075	.0017931
Stddev	.000041	.0000584	.0042960	.000527	.0002171	.000348	.0052264
%RSD	62.71870	511.9352	21.03008	507.3328	133.7141	461.2929	291.4767
#1	-.000069	.0000780	.0187133	-.000000	-.000049	-.000471	.0064951
#2	-.000022	-.000013	.0253164	.000364	.000385	.000061	.0027182
#3	-.000103	-.000031	.0172540	-.000675	.000152	.000184	-.003834

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000243	.0043444	.0001608	-.000692	.0450358	.0055433	-.000077
Stddev	.000118	.0168978	.0002515	.000087	.0083634	.0039853	.000192
%RSD	48.48545	388.9537	156.4223	12.61386	18.57065	71.89452	249.1763
#1	-.000327	.0234770	.0004508	-.000628	.0456691	.0053252	-.000012
#2	-.000108	-.001906	.0000034	-.000791	.0363737	.0096331	-.000293
#3	-.000293	-.008537	.0000282	-.000656	.0530646	.0016715	.000073

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2498269	.0044963	.0003665	.0005146	-.000706	.0042482	.0007787
Stddev	.0574697	.0017046	.0002242	.0001867	.000978	.0124322	.0021704
%RSD	23.00381	37.91031	61.16869	36.27457	138.6065	292.6465	278.7073
#1	.1871482	.0025492	.0004307	.0003148	.000237	-.007030	.0005330
#2	.2622902	.0057192	.0001173	.0006845	-.000638	.017579	-.001258
#3	.3000423	.0052204	.0005517	.0005443	-.001716	.002196	.003062

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: CCB03 Acquired: 8/24/2024 13:48:22 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0099872	-.006169	-.000110
Stddev	.0015171	.004514	.000104
%RSD	15.19051	73.18149	94.35740
#1	.0089195	-.008573	-.000173
#2	.0117238	-.000961	.000010
#3	.0093183	-.008971	-.000167

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4378.741	61374.28	5683.243	3532.661	6638.216
Stddev	40.457	453.36	16.408	6.923	58.319
%RSD	.9239314	.7386820	.2887065	.1959708	.8785403
#1	4348.932	60916.49	5682.359	3526.007	6595.849
#2	4362.496	61383.27	5700.075	3532.149	6614.066
#3	4424.795	61823.08	5667.295	3539.825	6704.731

Sample Name: P3656-03 Acquired: 8/24/2024 13:52:40 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002224	-.000495	.0025859	.0018657	.0002799	.2272395
Stddev	.001632	.002112	.0003775	.0004609	.0010456	.0232791
%RSD	73.39199	426.3117	14.60022	24.70210	373.5583	10.24430
#1	-.000880	.000188	.0022790	.0017443	.0013032	.2216954
#2	-.004041	.001191	.0030075	.0023751	.0003230	.2072329
#3	-.001752	-.002865	.0024713	.0014776	-.000787	.2527901

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2798648	-.000158	.0007937	195.4485	.0046282	.0010304
Stddev	.0001192	.000046	.0000216	.0772	.0003804	.0004526
%RSD	.0426026	28.81918	2.727027	.0395104	8.219502	43.92593
#1	.2798139	-.000109	.0008185	195.3610	.0044679	.0005910
#2	.2797794	-.000199	.0007835	195.4778	.0050625	.0010050
#3	.2800010	-.000165	.0007790	195.5068	.0043542	.0014951

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0119209	.8198624	.6952369	26.30397	.0088412	-.000637
Stddev	.0003713	.0158641	.0023197	.08455	.0003113	.000194
%RSD	3.114307	1.934969	.3336523	.3214274	3.520851	30.42460
#1	.0117254	.8145736	.6936937	26.39778	.0084819	-.000414
#2	.0123490	.8376953	.6979045	26.23367	.0090297	-.000769
#3	.0116881	.8073183	.6941126	26.28045	.0090119	-.000727

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	345.7023	.0018773	.0479422	34.23232	.8450092	.0090177
Stddev	5.3726	.0056270	.0004035	.43643	.0103013	.0005181
%RSD	1.554113	299.7354	.8416541	1.274908	1.219071	5.745464
#1	341.5825	-.001725	.0483617	34.16419	.8475443	.0096026
#2	351.7791	-.001004	.0479081	34.69881	.8336770	.0088342
#3	343.7452	.008361	.0475569	33.83396	.8538062	.0086164

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3656-03 Acquired: 8/24/2024 13:52:40 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001726	-.000428	F 13.46071	.0147629	F 1200.306	-.042632
Stddev	.000817	.002776	.15198	.0024357	2.907	.000593
%RSD	47.34453	648.3049	1.129093	16.49854	.2422285	1.390394
#1	-.002002	-.001872	13.44796	.0120554	1200.510	-.042022
#2	-.002369	.002772	13.61867	.0154574	1197.301	-.042668
#3	-.000807	-.002185	13.31550	.0167758	1203.106	-.043206

Elem	Sr4077
Units	ppm
Avg	.8389555
Stddev	.0022801
%RSD	.2717756
#1	.8365521
#2	.8410881
#3	.8392261

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4166.661	57747.28	5949.194	3329.382	5738.033
Stddev	8.344	484.56	18.834	30.908	8.237
%RSD	.2002474	.8391072	.3165764	.9283352	.1435562
#1	4157.753	57710.57	5940.840	3325.862	5732.098
#2	4174.294	57282.12	5970.759	3300.384	5747.438
#3	4167.935	58249.16	5935.981	3361.899	5734.563

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3656-04 Acquired: 8/24/2024 13:57:11 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001536	.0004456	.0015366	.0005020	-.001196	.1631355
Stddev	.0008187	.0020953	.0011341	.0019478	.001868	.0266386
%RSD	532.9633	470.1747	73.80508	388.0411	156.1491	16.32915
#1	-.000547	-.001673	.0020314	.0027060	-.000574	.1324027
#2	.001054	.000492	.0002392	-.000212	-.003295	.1773894
#3	-.000046	.002517	.0023392	-.000988	.000281	.1796146

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2534534	-.000271	.0008252	177.6127	.0037525	.0008659
Stddev	.0002606	.000114	.0000541	.5944	.0003560	.0001731
%RSD	.1028206	41.91686	6.557316	.3346727	9.488010	19.99427
#1	.2537430	-.000200	.0007916	178.2003	.0040170	.0010020
#2	.2533792	-.000402	.0007964	177.6260	.0033477	.0006710
#3	.2532379	-.000211	.0008877	177.0117	.0038927	.0009245

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044370	.6129197	.6244187	23.73703	.0071170	-.000365
Stddev	.0004786	.0193547	.0020768	.01275	.0003355	.000131
%RSD	10.78580	3.157794	.3325976	.0536927	4.713289	35.94315
#1	.0049714	.6333778	.6243290	23.75015	.0072518	-.000509
#2	.0040480	.6104821	.6265389	23.73624	.0073641	-.000334
#3	.0042916	.5948992	.6223882	23.72470	.0067352	-.000252

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	304.2976	.0008068	.0404104	30.20262	.7764728	.0080675
Stddev	4.8827	.0032041	.0004354	.26423	.0033664	.0001382
%RSD	1.604574	397.1258	1.077522	.8748736	.4335536	1.712766
#1	308.0707	-.000716	.0408907	30.32854	.7771240	.0080417
#2	298.7829	-.001352	.0402992	30.38034	.7728283	.0082167
#3	306.0392	.004488	.0400414	29.89898	.7794660	.0079440

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3656-04 Acquired: 8/24/2024 13:57:11 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000900	-.002710	F 11.70524	.0079334	F 11.34949	-.038758
Stddev	.0005054	.000866	.07903	.0014880	.02045	.001191
%RSD	561.2434	31.96190	.6751519	18.75583	.1802230	3.071802
#1	-.000152	-.003401	11.78784	.0072436	11.35860	-.039523
#2	-.000248	-.002990	11.69752	.0096410	11.32606	-.037386
#3	.000671	-.001738	11.63035	.0069154	11.36380	-.039365

Elem	Sr4077
Units	ppm
Avg	.7616318
Stddev	.0029892
%RSD	.3924685
#1	.7638846
#2	.7627700
#3	.7582407

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4170.340	59236.73	5946.975	3390.549	5755.226
Stddev	13.387	149.87	27.969	18.065	13.987
%RSD	.3210087	.2530003	.4703042	.5328175	.2430392
#1	4165.927	59095.51	5962.796	3377.142	5748.427
#2	4159.717	59393.96	5963.448	3411.092	5745.938
#3	4185.377	59220.72	5914.682	3383.411	5771.314

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3656-05 Acquired: 8/24/2024 14:01:34 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008196	-.000944	.0010402	.0003648	-.000023	.1688854
Stddev	.0028931	.001474	.0008348	.0013770	.000353	.0172532
%RSD	352.9776	156.0610	80.25785	377.4908	1557.694	10.21590
#1	.0001417	-.002298	.0009948	-.000388	.000056	.1507384
#2	.0039914	-.001160	.0018968	-.000471	-.000409	.1850784
#3	-.001674	.000625	.0002290	.001954	.000284	.1708395

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2647688	-.000283	.0008193	184.8727	.0044898	.0010472
Stddev	.0046274	.000040	.0000890	2.9321	.0003153	.0001817
%RSD	1.747729	14.04209	10.86800	1.586021	7.021696	17.35179
#1	.2700845	-.000288	.0009031	188.2580	.0047514	.0012552
#2	.2616415	-.000320	.0008291	183.2235	.0041398	.0009671
#3	.2625803	-.000241	.0007258	183.1365	.0045781	.0009193

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049964	.7563627	.6650650	24.93929	.0077453	-.000571
Stddev	.0002682	.0174342	.0111286	.42434	.0000811	.000416
%RSD	5.368900	2.305001	1.673312	1.701497	1.047685	72.86851
#1	.0048160	.7757808	.6778368	25.42796	.0076738	-.000360
#2	.0053047	.7420544	.6599066	24.72611	.0078335	-.001050
#3	.0048685	.7512528	.6574515	24.66381	.0077288	-.000303

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	328.7357	.0019869	.0426444	32.51295	.8091321	.0083310
Stddev	3.5291	.0047020	.0004853	.09517	.0090499	.0004616
%RSD	1.073546	236.6499	1.137936	.2927025	1.118470	5.540429
#1	329.6940	-.002559	.0420960	32.61933	.8195406	.0078030
#2	324.8264	.001689	.0428194	32.48361	.8031227	.0086581
#3	331.6868	.006831	.0430180	32.43590	.8047331	.0085319

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3656-05 Acquired: 8/24/2024 14:01:34 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002323	-.002660	F 12.74485	.0108949	F 1103.593	-.040292
Stddev	.000541	.002863	.04199	.0016842	8.281	.000254
%RSD	23.30253	107.6365	.3294365	15.45882	.7503707	.6297479
#1	-.002562	-.000969	12.69638	.0089517	1111.133	-.040228
#2	-.002704	-.001045	12.76971	.0117996	1104.915	-.040571
#3	-.001704	-.005965	12.76847	.0119335	1094.730	-.040076

Elem	Sr4077
Units	ppm
Avg	.7925902
Stddev	.0136223
%RSD	1.718701
#1	.8083179
#2	.7845088
#3	.7849440

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4283.229	57328.43	5951.225	3334.814	5909.967
Stddev	11.432	367.33	62.834	13.618	9.082
%RSD	.2668953	.6407460	1.055815	.4083568	.1536683
#1	4271.666	57738.90	5879.157	3350.020	5905.862
#2	4294.525	57215.75	5994.521	3323.742	5920.376
#3	4283.496	57030.65	5979.996	3330.680	5903.662

Sample Name: P3656-06 Acquired: 8/24/2024 14:06:06 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001530	-.000477	.0013881	.0023321	-.000717	.1664596
Stddev	.001876	.001982	.0010976	.0039347	.002333	.0115860
%RSD	122.5994	415.1725	79.07463	168.7177	325.2606	6.960261
#1	.000007	-.000331	.0002118	.0045003	-.003249	.1628304
#2	-.000977	.001427	.0015675	-.002210	.001347	.1794257
#3	-.003621	-.002528	.0023848	.004706	-.000250	.1571226

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2502811	-.000178	.0007495	176.4440	.0058670	.0011247
Stddev	.0021142	.000047	.0000439	.4580	.0002905	.0002653
%RSD	.8447251	26.54405	5.857685	.2595742	4.951649	23.59088
#1	.2517335	-.000142	.0007882	176.2064	.0055319	.0008331
#2	.2512542	-.000232	.0007018	176.9719	.0060212	.0013520
#3	.2478556	-.000161	.0007586	176.1536	.0060480	.0011889

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047986	.6448727	.6335471	23.68764	.0091557	-.000483
Stddev	.0006720	.0042083	.0012538	.06529	.0002176	.000403
%RSD	14.00331	.6525759	.1978975	.2756436	2.376754	83.45550
#1	.0054011	.6425382	.6349031	23.62799	.0093916	-.000777
#2	.0040739	.6423492	.6324299	23.75740	.0089629	-.000023
#3	.0049207	.6497308	.6333085	23.67753	.0091127	-.000649

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	306.6484	.0026441	.0721001	31.30002	.7879952	.0077640
Stddev	.9765	.0018261	.0001847	.11233	.0029253	.0002777
%RSD	.3184468	69.06050	.2561131	.3588700	.3712355	3.576890
#1	307.3781	.0016541	.0721018	31.17096	.7846174	.0076464
#2	305.5390	.0015269	.0722839	31.35338	.7896719	.0080811
#3	307.0280	.0047514	.0719146	31.37571	.7896963	.0075644

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3656-06 Acquired: 8/24/2024 14:06:06 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002060	-.002455	F 12.07148	.0092136	F 11.32911	-.038217
Stddev	.000400	.003003	.06161	.0016393	.01636	.002486
%RSD	19.41566	122.3169	.5103493	17.79249	.1443773	6.504611
#1	-.002253	-.003639	12.00058	.0111056	11.34043	-.041085
#2	-.001600	.000959	12.11189	.0082152	11.33654	-.036671
#3	-.002326	-.004686	12.10199	.0083200	11.31036	-.036896

Elem	Sr4077
Units	ppm
Avg	.7533373
Stddev	.0019380
%RSD	.2572566
#1	.7555751
#2	.7522206
#3	.7522161

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4247.036	58121.38	6027.084	3362.116	5865.819
Stddev	11.492	149.73	19.653	15.510	11.335
%RSD	.2705986	.2576180	.3260728	.4613062	.1932446
#1	4251.947	58131.15	6025.350	3357.218	5871.196
#2	4255.258	57967.01	6008.357	3349.646	5873.465
#3	4233.904	58265.99	6047.547	3379.483	5852.796

Sample Name: P3656-07 Acquired: 8/24/2024 14:10:29 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020883	.0015965	.0056778	-.000579	.0010494	.1587749
Stddev	.0016365	.0014463	.0012453	.000682	.0009086	.0248499
%RSD	78.36358	90.59663	21.93304	117.8194	86.57980	15.65106
#1	.0013782	.0028135	.0046200	-.001315	.0000317	.1700685
#2	.0039598	.0019785	.0070503	-.000452	.0013375	.1759723
#3	.0009268	-.000003	.0053633	.000031	.0017791	.1302838

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3118880	.0002452	-.000231	172.3425	.0075061	.0028386
Stddev	.0014437	.0000482	.000163	.2224	.0003438	.0003192
%RSD	.4628820	19.67075	70.32993	.1290732	4.580569	11.24509
#1	.3103124	.0002650	-.000419	172.1292	.0075201	.0030354
#2	.3131472	.0002804	-.000128	172.5731	.0071556	.0024703
#3	.3122044	.0001902	-.000147	172.3253	.0078428	.0030102

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0331698	24.67368	2.490481	44.84807	.0484271	.0002436
Stddev	.0003046	.25329	.006839	.05968	.0003111	.0008652
%RSD	.9184351	1.026577	.2745957	.1330806	.6424591	355.2205
#1	.0328557	24.88976	2.487150	44.79297	.0487001	-.000579
#2	.0331898	24.73634	2.498347	44.91147	.0484929	.001146
#3	.0334639	24.39494	2.485947	44.83977	.0480884	.000164

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	537.9296	.0038479	.1719585	52.99719	1.976444	.0056539
Stddev	3.4860	.0038102	.0009822	.49307	.019075	.0002480
%RSD	.6480355	99.02095	.5711620	.9303764	.9651397	4.386913
#1	537.8678	.0032627	.1716041	53.46443	1.957120	.0054692
#2	541.4460	.0003641	.1730687	53.04534	1.976950	.0055568
#3	534.4749	.0079169	.1712028	52.48182	1.995261	.0059358

Sample Name: P3656-07 Acquired: 8/24/2024 14:10:29 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001450	-.003672	F 14.51853	.0588154	F 38.39897	-.035226
Stddev	.000347	.002055	.13822	.0015116	.05642	.003863
%RSD	23.90784	55.97839	.9520574	2.570022	.1469253	10.96602
#1	-.001305	-.005314	14.63813	.0602040	38.34871	-.030964
#2	-.001846	-.001367	14.55026	.0572053	38.38821	-.036218
#3	-.001200	-.004334	14.36720	.0590369	38.45999	-.038496

Elem	Sr4077
Units	ppm
Avg	.8018758
Stddev	.0018834
%RSD	.2348700
#1	.7997012
#2	.8029453
#3	.8029810

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4368.381	56224.10	6081.123	3270.985	6012.555
Stddev	4.880	300.35	33.751	14.779	7.143
%RSD	.1117140	.5342076	.5550180	.4518299	.1187994
#1	4368.350	55895.99	6112.446	3260.670	6009.158
#2	4373.277	56290.87	6085.543	3264.368	6020.763
#3	4363.517	56485.46	6045.379	3287.917	6007.745

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3656-08 Acquired: 8/24/2024 14:14:52 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046713	.0012472	.0001691	-.002416	.0030001	.1595274
Stddev	.0007930	.0014401	.0019074	.002676	.0002555	.0189093
%RSD	16.97695	115.4653	1128.244	110.7796	8.517516	11.85332
#1	.0039788	.0000402	-.001786	.000632	.0029549	.1663300
#2	.0055365	.0008601	.000268	-.003495	.0032753	.1381580
#3	.0044986	.0028413	.002025	-.004384	.0027702	.1740944

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3300900	.0002708	-.000070	181.9378	.0085512	.0030008
Stddev	.0022246	.0000509	.000048	.0236	.0004099	.0002856
%RSD	.6739306	18.78427	69.00989	.0129568	4.793329	9.517359
#1	.3290788	.0003214	-.000107	181.9105	.0085939	.0030048
#2	.3326405	.0002714	-.000088	181.9511	.0089381	.0027132
#3	.3285505	.0002197	-.000015	181.9517	.0081217	.0032843

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0241620	25.24258	2.639271	47.57269	.0519035	.0005852
Stddev	.0004573	.11052	.001940	.13012	.0003988	.0005439
%RSD	1.892667	.4378455	.0735127	.2735155	.7683916	92.94272
#1	.0245966	25.19522	2.637198	47.69805	.0523539	-.000032
#2	.0236849	25.16362	2.641043	47.58172	.0517617	.000996
#3	.0242044	25.36889	2.639571	47.43829	.0515950	.000791

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	554.1840	.0013412	.1673127	54.75804	2.120558	.0060222
Stddev	7.1096	.0031538	.0010533	.31995	.006702	.0000821
%RSD	1.282901	235.1496	.6295536	.5843041	.3160541	1.363422
#1	551.6255	.0008341	.1661239	54.60300	2.119482	.0059438
#2	562.2189	-.001528	.1676845	54.54514	2.127733	.0060153
#3	548.7078	.004718	.1681298	55.12598	2.114459	.0061076

Sample Name: P3656-08 Acquired: 8/24/2024 14:14:52 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002446	-.004490	F 14.67913	.0523317	F 42.04064	-.035801
Stddev	.000746	.000258	.06801	.0020403	.08379	.000819
%RSD	30.47980	5.751355	.4633188	3.898782	.1993071	2.286491
#1	-.003156	-.004783	14.68457	.0537992	42.13642	-.036665
#2	-.001670	-.004389	14.60856	.0531941	41.98090	-.035699
#3	-.002513	-.004297	14.74426	.0500018	42.00461	-.035038

Elem	Sr4077
Units	ppm
Avg	.8493444
Stddev	.0016508
%RSD	.1943665
#1	.8474689
#2	.8505774
#3	.8499868

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4236.704	58130.81	6034.282	3374.316	5796.112
Stddev	7.153	133.03	24.176	16.871	19.819
%RSD	.1688297	.2288432	.4006507	.4999761	.3419308
#1	4229.744	57988.47	6017.279	3374.500	5776.939
#2	4236.334	58251.98	6023.609	3391.094	5794.878
#3	4244.035	58151.98	6061.958	3357.353	5816.519

Sample Name: P3657-01 Acquired: 8/24/2024 14:19:13 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025139	-.000229	.0028017	.0025038	-.000125	.1973100	.1175108
Stddev	.0024277	.002012	.0021207	.0023164	.003281	.0105304	.0011036
%RSD	96.57121	878.4260	75.69451	92.51757	2628.031	5.337003	.9391387
#1	.0048126	.000131	.0030956	.0028585	.002117	.1986476	.1185042
#2	.0027538	.001579	.0005493	.0046224	-.003891	.1861746	.1163229
#3	-.000025	-.002397	.0047601	.0000304	.001400	.2071077	.1177053

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000073	-.000081	40.84151	.0040733	.0008745	.0062301	5.105232
Stddev	.000046	.000029	.14378	.0003293	.0005073	.0005403	.053599
%RSD	63.78060	35.98548	.3520530	8.084490	58.01157	8.672675	1.049879
#1	-.000019	-.000068	40.75397	.0040199	.0005645	.0058077	5.162675
#2	-.000095	-.000060	41.00745	.0037740	.0005990	.0068389	5.056559
#3	-.000104	-.000114	40.76310	.0044260	.0014600	.0060437	5.096463

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7049095	6.922003	.0058189	.0000240	129.2931	.0044869	.0377060
Stddev	.0015616	.049576	.0002066	.0002856	1.5709	.0036224	.0002322
%RSD	.2215291	.7162094	3.550116	1188.318	1.214989	80.73342	.6158199
#1	.7035170	6.872102	.0057484	-.000298	130.8401	.0006833	.0378879
#2	.7065978	6.971248	.0060515	.000248	127.6994	.0078958	.0374445
#3	.7046134	6.922658	.0056568	.000122	129.3398	.0048817	.0377858

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.182893	.1276749	.0008418	-.001068	.0008106	3.036865	.1043696
Stddev	.096158	.0010269	.0000921	.000578	.0011050	.036699	.0009259
%RSD	1.855301	.8042983	10.94317	54.16725	136.3159	1.208462	.8871241
#1	5.274401	.1267922	.0007767	-.000772	.0017721	3.067471	.1033037
#2	5.082677	.1288019	.0009472	-.001734	.0010563	2.996179	.1048315
#3	5.191601	.1274306	.0008015	-.000697	-.000397	3.046945	.1049738

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3657-01 Acquired: 8/24/2024 14:19:13 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	6.020597	-.017131	.2541295
Stddev	.043074	.003083	.0008239
%RSD	.7154408	17.99786	.3241926
#1	6.070310	-.015210	.2539660
#2	5.994387	-.020688	.2550228
#3	5.997094	-.015496	.2533996

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4474.182	60503.39	6002.593	3478.764	6392.530
Stddev	20.904	303.72	59.411	20.622	31.146
%RSD	.4672178	.5019916	.9897567	.5928064	.4872217
#1	4462.577	60300.55	6054.774	3456.538	6363.224
#2	4461.655	60852.58	5937.934	3497.279	6389.130
#3	4498.314	60357.04	6015.070	3482.475	6425.236

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3657-01DUP Acquired: 8/24/2024 14:23:26 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033505	-.000946	.0047106	.0019134	-.000785	.2096906	.1192506
Stddev	.0024759	.001327	.0013900	.0014768	.001716	.0077364	.0013391
%RSD	73.89507	140.2752	29.50882	77.18126	218.6329	3.689423	1.122960
#1	.0061548	-.000196	.0032616	.0020390	-.002726	.2128383	.1203159
#2	.0024299	-.002478	.0060330	.0033235	.000531	.2153568	.1177473
#3	.0014669	-.000164	.0048370	.0003779	-.000160	.2008765	.1196885

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000110	-.000116	40.90294	.0040989	.0010836	.0056409	5.093037
Stddev	.000028	.000062	.16929	.0003099	.0001215	.0005359	.027954
%RSD	25.43690	53.54708	.4138741	7.560244	11.21039	9.500424	.5488586
#1	-.000119	-.000055	40.74571	.0040996	.0010987	.0050550	5.064548
#2	-.000133	-.000114	41.08214	.0037887	.0011969	.0061063	5.094141
#3	-.000079	-.000178	40.88098	.0044084	.0009553	.0057615	5.120423

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7073841	6.912410	.0057608	-.000264	130.3762	.0021307	.0381615
Stddev	.0019768	.065957	.0001910	.000700	.1378	.0018819	.0003556
%RSD	.2794563	.9541787	3.314611	265.6010	.1057012	88.32004	.9319109
#1	.7058378	6.850014	.0056485	-.000931	130.2233	.0029185	.0379918
#2	.7096114	6.981428	.0059812	.000466	130.4146	-.000017	.0379224
#3	.7067031	6.905788	.0056526	-.000326	130.4907	.003491	.0385701

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.191175	.1318423	.0007948	-.001137	.0022375	3.047144	.1053213
Stddev	.107718	.0007698	.0001131	.000308	.0018681	.019989	.0027234
%RSD	2.075012	.5839007	14.23596	27.08014	83.49056	.6559782	2.585766
#1	5.130242	.1318225	.0008460	-.000801	.0014643	3.033940	.1066803
#2	5.315548	.1310826	.0006651	-.001407	.0043681	3.070141	.1070979
#3	5.127735	.1326219	.0008733	-.001202	.0008801	3.037352	.1021859

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3657-01DUP Acquired: 8/24/2024 14:23:26 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	6.054063	-.017693	.2540114
Stddev	.035722	.001884	.0006818
%RSD	.5900499	10.64882	.2683982
#1	6.076191	-.019732	.2532516
#2	6.073145	-.017330	.2545698
#3	6.012852	-.016016	.2542128

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4493.808	59869.12	5915.904	3467.116	6419.046
Stddev	26.218	270.64	17.413	11.175	38.591
%RSD	.5834144	.4520541	.2943463	.3223235	.6011895
#1	4466.574	59717.86	5907.740	3456.826	6380.817
#2	4495.975	60181.58	5935.899	3479.004	6418.333
#3	4518.874	59707.92	5904.073	3465.517	6457.988

Sample Name: P3657-01LX5 Acquired: 8/24/2024 14:27:39 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006851	-.000482	.0001602	.0018851	-.000223	.0514967	.0230957
Stddev	.0029767	.000388	.0008951	.0016204	.001266	.0344996	.0022721
%RSD	434.5056	80.54638	558.8785	85.95744	568.2647	66.99376	9.837799
#1	-.002615	-.000046	.0005032	.0024011	-.001660	.0121438	.0252340
#2	.001503	-.000611	-.000856	.0000695	.000266	.0658128	.0207100
#3	.003167	-.000789	.000833	.0031846	.000725	.0765335	.0233432

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000020	-.000011	8.596981	.0008003	.0003737	.0014114	1.003520
Stddev	.000066	.000089	.050589	.0005541	.0006866	.0003301	.021511
%RSD	335.6207	773.2627	.5884459	69.23859	183.7444	23.39091	2.143556
#1	-.000089	.000087	8.596317	.0012870	.0007185	.0016520	.979451
#2	-.000011	-.000037	8.546728	.0001972	-.000417	.0010350	1.010242
#3	.000042	-.000084	8.647899	.0009167	.000820	.0015472	1.020867

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1480995	1.447390	.0009504	-.000218	26.38688	.0018655	.0080509
Stddev	.0002773	.007287	.0002235	.000358	.18305	.0036922	.0004142
%RSD	.1872505	.5034623	23.51279	164.4504	.6937013	197.9164	5.144398
#1	.1480168	1.440413	.0010559	.000181	26.22892	.0061035	.0085227
#2	.1478730	1.454952	.0006937	-.000512	26.58749	-.000656	.0078833
#3	.1484088	1.446806	.0011015	-.000321	26.34424	.000149	.0077469

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.548608	.0231611	-.000102	.0007747	-.000885	.5984366	.0202472
Stddev	.096147	.0012801	.000282	.0004144	.000855	.0113277	.0008829
%RSD	6.208638	5.526790	276.9825	53.48357	96.55586	1.892888	4.360412
#1	1.472277	.0225128	-.000143	.0010344	-.000932	.5990820	.0193220
#2	1.516956	.0246356	.000199	.0002969	-.000008	.6094278	.0210806
#3	1.656591	.0223349	-.000362	.0009930	-.001716	.5868000	.0203390

Sample Name: P3657-01LX5 Acquired: 8/24/2024 14:27:39 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.251724	-.004357	.0536037
Stddev	.003234	.001564	.0002191
%RSD	.2583535	35.88466	.4087776
#1	1.254545	-.005517	.0533511
#2	1.252432	-.002579	.0537419
#3	1.248194	-.004975	.0537183

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4600.558	63256.63	5952.578	3617.874	6764.042
Stddev	17.635	183.09	42.092	12.206	17.317
%RSD	.3833261	.2894396	.7071196	.3373835	.2560107
#1	4580.254	63408.24	5947.474	3630.347	6744.356
#2	4609.364	63053.22	5996.989	3605.953	6770.854
#3	4612.055	63308.43	5913.271	3617.321	6776.917

Sample Name: P3657-01MS Acquired: 8/24/2024 14:31:58 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8184968	1.952074	.9879096	1.950273	.7753734	2.151824	.3051472
Stddev	.0091878	.019834	.0138952	.025643	.0132899	.013166	.0018276
%RSD	1.122523	1.016055	1.406526	1.314855	1.714006	.6118479	.5989061
#1	.8108381	1.929182	.9750419	1.926493	.7638576	2.136628	.3051196
#2	.8159680	1.964116	.9860433	1.946883	.7723471	2.159805	.3069884
#3	.8286841	1.962924	1.002644	1.977443	.7899155	2.159040	.3033336

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2073325	.1982570	40.35925	.4163109	.2037461	.3085794	7.676700
Stddev	.0014829	.0026882	.05430	.0009028	.0030752	.0043334	.092544
%RSD	.7152377	1.355923	.1345490	.2168550	1.509325	1.404319	1.205516
#1	.2078209	.1958510	40.39480	.4152923	.2005179	.3049870	7.665313
#2	.2085095	.1977614	40.38619	.4166282	.2040791	.3073589	7.590377
#3	.2056669	.2011585	40.29674	.4170122	.2066412	.3133922	7.774411

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8777581	8.622650	.5070548	.0668613	125.7175	.3044710	.2396562
Stddev	.0029640	.042981	.0072600	.0013731	1.1072	.0057549	.0014001
%RSD	.3376789	.4984667	1.431789	2.053609	.8806652	1.890135	.5841952
#1	.8776374	8.625043	.5004165	.0653332	125.4241	.3019745	.2386249
#2	.8807806	8.664385	.5059404	.0679914	124.7867	.3003860	.2390937
#3	.8748562	8.578523	.5148076	.0672593	126.9418	.3110526	.2412501

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.42564	.3907374	.4113463	.6971251	.1949968	3.536902	6.114066
Stddev	.20814	.0048052	.0059831	.0110225	.0005140	.053616	.089767
%RSD	1.442829	1.229771	1.454507	1.581133	.2635842	1.515916	1.468201
#1	14.38097	.3919644	.4062676	.6867690	.1946640	3.513144	6.027473
#2	14.24347	.3948101	.4098296	.6958956	.1947376	3.499269	6.108024
#3	14.65249	.3854377	.4179418	.7087108	.1955888	3.598292	6.206701

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3657-01MS Acquired: 8/24/2024 14:31:58 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.960882	.1726977	.4309104
Stddev	.063527	.0015954	.0007138
%RSD	1.065727	.9238099	.1656561
#1	5.892489	.1723412	.4307259
#2	5.972111	.1713107	.4316984
#3	6.018045	.1744412	.4303069

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4462.158	61854.34	6011.548	3553.460	6363.993
Stddev	66.664	316.83	48.655	22.350	96.168
%RSD	1.493975	.5122180	.8093605	.6289775	1.511124
#1	4509.187	61643.01	5981.767	3544.810	6438.323
#2	4491.419	62218.62	5985.181	3578.842	6398.275
#3	4385.868	61701.37	6067.695	3536.726	6255.382

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: CCV04 Acquired: 8/24/2024 14:36:01 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.908215	4.982120	4.964833	4.945222	4.890645	9.872233	9.939461
Stddev	.055879	.059004	.048829	.054837	.057684	.056111	.068442
%RSD	1.138478	1.184323	.9834887	1.108882	1.179484	.5683759	.6885920
#1	4.879145	4.922057	4.936540	4.908313	4.860035	9.822198	9.865081
#2	4.872863	4.984295	4.936744	4.919119	4.854718	9.861601	9.953519
#3	4.972636	5.040006	5.021215	5.008234	4.957183	9.932900	9.999783

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2627428	2.476474	24.94001	1.017642	2.473473	1.237257	4.738810
Stddev	.0011707	.024404	.10845	.000979	.026111	.013811	.018986
%RSD	.4455542	.9854518	.4348284	.0961883	1.055650	1.116221	.4006495
#1	.2613926	2.461994	24.82850	1.018063	2.458996	1.230040	4.759488
#2	.2633619	2.462778	24.94643	1.018339	2.457808	1.228551	4.722164
#3	.2634739	2.504650	25.04511	1.016523	2.503616	1.253181	4.734779

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.480955	25.03218	2.456964	1.245137	23.32280	2.488378	2.469899
Stddev	.013107	.03630	.023945	.001492	.04536	.003838	.014384
%RSD	.5282990	.1450246	.9745766	.1198191	.1944678	.1542445	.5823708
#1	2.465980	25.00722	2.443683	1.246700	23.27520	2.485020	2.485433
#2	2.486543	25.01549	2.442604	1.244983	23.32768	2.487553	2.467224
#3	2.490341	25.07382	2.484606	1.243728	23.36552	2.492562	2.457040

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.87125	5.238162	4.947357	4.975068	4.948589	4.656446	5.031793
Stddev	.08740	.033761	.055062	.051371	.022589	.012253	.050448
%RSD	.3661379	.6445155	1.112964	1.032560	.4564647	.2631426	1.002586
#1	23.80530	5.199516	4.914406	4.941499	4.926486	4.670246	5.004601
#2	23.83808	5.253049	4.916740	4.949500	4.947646	4.646842	5.000774
#3	23.97039	5.261921	5.010923	5.034206	4.971633	4.652251	5.090003

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: CCV04 Acquired: 8/24/2024 14:36:01 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.791194	4.665967	4.945007
Stddev	.034827	.025169	.087880
%RSD	.7268870	.5394267	1.777151
#1	4.763005	4.638009	4.847068
#2	4.780449	4.673069	4.970976
#3	4.830126	4.686822	5.016976

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4482.921	61681.60	6024.669	3525.113	6384.020
Stddev	48.473	138.56	66.033	5.510	60.700
%RSD	1.081277	.2246441	1.096045	.1563000	.9508049
#1	4512.311	61814.35	6100.870	3526.958	6420.843
#2	4509.477	61537.88	5988.902	3518.917	6417.256
#3	4426.973	61692.56	5984.235	3529.463	6313.961

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: CCB04 Acquired: 8/24/2024 14:40:11 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000925	.0000676	-.001027	.0010020	.0005819	.0031910
Stddev	.001487	.0013591	.000675	.0008724	.0000578	.0040299
%RSD	160.7177	2012.009	65.69835	87.06540	9.933149	126.2886
#1	.000744	-.000141	-.001241	.0020061	.0005442	-.001262
#2	-.002106	.001519	-.001569	.0005704	.0005531	.004249
#3	-.001413	-.001175	-.000271	.0004295	.0006485	.006586

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001901	-.000061	-.000053	-.004305	.0001271	.0001052
Stddev	.000792	.000081	.000052	.011928	.0000435	.0001052
%RSD	41.65633	132.1160	98.77941	277.1025	34.25112	100.0158
#1	-.002024	-.000088	.000007	-.015397	.0000968	.0000290
#2	-.001055	.000030	-.000081	.008312	.0001770	.0002252
#3	-.002624	-.000125	-.000085	-.005829	.0001074	.0000614

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002119	-.001992	-.000362	.0034581	-.000253	-.000159
Stddev	.0005449	.006216	.000283	.0123537	.000290	.000236
%RSD	257.2192	312.0751	78.26654	357.2345	114.7718	148.7438
#1	.0006928	-.004778	-.000142	.0033957	.000080	-.000432
#2	.0003228	.005130	-.000681	-.008864	-.000390	-.000015
#3	-.000380	-.006328	-.000262	.015843	-.000449	-.000030

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3290141	.0041987	-.000249	.4643780	.0015281	-.000264
Stddev	.0320884	.0040888	.000349	.0424498	.0007706	.000295
%RSD	9.752890	97.38250	140.1558	9.141214	50.42453	111.6049
#1	.2989575	.0083806	-.000572	.4153663	.0006635	-.000362
#2	.3252777	.0040055	.000121	.4894965	.0017786	-.000498
#3	.3628071	.0002099	-.000296	.4882712	.0021424	.000067

Sample Name: CCB04 Acquired: 8/24/2024 14:40:11 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002238	-.001675	.0113468	.0012481	F .0155097	-.004400
Stddev	.0004508	.003106	.0100646	.0015959	.0034487	.002243
%RSD	201.4359	185.4304	88.69953	127.8680	22.23558	50.98552
#1	.0007425	.001678	-.000270	-.000453	.0193038	-.006553
#2	.0000015	-.002249	.017432	.001484	.0125651	-.004569
#3	-.000073	-.004455	.016878	.002713	.0146604	-.002077

Elem	Sr4077
Units	ppm
Avg	-.000067
Stddev	.000117
%RSD	174.7092
#1	.000050
#2	-.000066
#3	-.000184

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4647.850	63349.74	6028.979	3662.896	7161.161
Stddev	34.528	391.97	32.931	32.962	41.626
%RSD	.7428808	.6187470	.5462202	.8998903	.5812764
#1	4685.470	62985.59	6062.431	3632.605	7206.508
#2	4640.473	63299.02	5996.594	3658.082	7152.288
#3	4617.607	63764.60	6027.912	3698.000	7124.687

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3657-01MSD Acquired: 8/24/2024 14:44:30 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7864745	1.892586	.9522973	1.865623	.7505211	2.062953	.3020246
Stddev	.0054058	.038388	.0046061	.009606	.0057672	.014327	.0011333
%RSD	.6873468	2.028353	.4836855	.5148861	.7684306	.6944812	.3752409
#1	.7803394	1.857858	.9475764	1.856906	.7441868	2.046423	.3011796
#2	.7905386	1.886092	.9525361	1.864043	.7519083	2.070632	.3033125
#3	.7885455	1.933807	.9567794	1.875921	.7554682	2.071802	.3015816

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1969382	.1909086	40.61989	.4081334	.1958580	.2968918	7.935526
Stddev	.0021947	.0011797	.18661	.0013549	.0006907	.0016140	.045162
%RSD	1.114400	.6179606	.4594091	.3319776	.3526691	.5436442	.5691111
#1	.1954447	.1899368	40.69236	.4066351	.1953945	.2951958	7.963063
#2	.1994580	.1905677	40.75939	.4092727	.1955275	.2970706	7.883405
#3	.1959119	.1922213	40.40791	.4084922	.1966519	.2984090	7.960109

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8735059	8.605319	.4894283	.0651425	129.3610	.2949657	.2365860
Stddev	.0019889	.046347	.0017852	.0011507	.8876	.0065973	.0006452
%RSD	.2276958	.5385881	.3647619	1.766486	.6861394	2.236634	.2727126
#1	.8730789	8.615911	.4877079	.0639486	130.1482	.2986576	.2360259
#2	.8756737	8.645453	.4893051	.0652343	128.3990	.2988905	.2364408
#3	.8717652	8.554592	.4912720	.0662446	129.5359	.2873490	.2372915

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.45730	.3781213	.3989472	.6760806	.1905267	3.654765	5.886733
Stddev	.14591	.0040922	.0020625	.0058073	.0023717	.033424	.029756
%RSD	1.009216	1.082256	.5169808	.8589692	1.244812	.9145198	.5054673
#1	14.56134	.3746917	.3966140	.6704482	.1879397	3.678179	5.864237
#2	14.29052	.3826512	.3997004	.6757451	.1910421	3.616488	5.875491
#3	14.52004	.3770210	.4005273	.6820483	.1925984	3.669629	5.920472

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3657-01MSD Acquired: 8/24/2024 14:44:30 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.865237	.1615088	.4295534
Stddev	.045943	.0004971	.0015519
%RSD	.7833115	.3077972	.3612710
#1	5.819055	.1609862	.4300527
#2	5.865717	.1619758	.4307941
#3	5.910937	.1615645	.4278133

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4484.054	60634.55	6132.159	3484.762	6402.772
Stddev	12.060	149.03	39.734	15.850	21.697
%RSD	.2689482	.2457901	.6479643	.4548290	.3388682
#1	4493.290	60593.65	6159.981	3477.075	6416.180
#2	4488.462	60799.76	6086.653	3502.989	6414.395
#3	4470.411	60510.23	6149.842	3474.221	6377.739

Sample Name: P3657-01A Acquired: 8/24/2024 14:48:34 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8365656	2.010990	.9975182	1.997351	.8225267	2.163351	.3121441
Stddev	.0021748	.016305	.0026820	.005752	.0030691	.024783	.0015483
%RSD	.2599710	.8108108	.2688701	.2879930	.3731352	1.145571	.4960085
#1	.8373932	1.994807	.9944403	1.990914	.8194020	2.137897	.3138725
#2	.8382052	2.010748	.9987601	2.001989	.8255371	2.164751	.3108842
#3	.8340985	2.027415	.9993543	1.999149	.8226410	2.187403	.3116757

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2071584	.2007888	41.15987	.4204220	.2055486	.3117698	7.882917
Stddev	.0021144	.0005404	.09391	.0020278	.0005854	.0009412	.116601
%RSD	1.020682	.2691570	.2281526	.4823160	.2848080	.3018768	1.479154
#1	.2052254	.2001756	41.22658	.4214540	.2048906	.3108502	7.967373
#2	.2068333	.2009951	41.20055	.4217262	.2060117	.3127311	7.931497
#3	.2094166	.2011957	41.05248	.4180859	.2057435	.3117279	7.749881

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8931581	8.776842	.5127822	.0685840	126.6949	.3084712	.2415306
Stddev	.0011127	.015413	.0015374	.0019411	2.1637	.0026006	.0010672
%RSD	.1245783	.1756076	.2998188	2.830257	1.707823	.8430739	.4418325
#1	.8940574	8.781445	.5110234	.0688434	128.4176	.3072179	.2423241
#2	.8935033	8.789430	.5138701	.0665263	127.4007	.3067345	.2419504
#3	.8919138	8.759653	.5134532	.0703824	124.2665	.3114612	.2403174

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.49164	.3924609	.4285530	.7378661	.2085557	3.600387	6.347863
Stddev	.25815	.0047356	.0007965	.0008900	.0034990	.066779	.016161
%RSD	1.781363	1.206650	.1858679	.1206153	1.677711	1.854769	.2545953
#1	14.64820	.3875445	.4276354	.7369556	.2120982	3.635255	6.329382
#2	14.63303	.3928457	.4289575	.7387340	.2084667	3.642516	6.354862
#3	14.19368	.3969923	.4290662	.7379088	.2051020	3.523392	6.359345

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3657-01A Acquired: 8/24/2024 14:48:34 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	6.178405	.1710000	.4419744
Stddev	.015482	.0016649	.0013174
%RSD	.2505779	.9736268	.2980662
#1	6.161165	.1724243	.4424862
#2	6.182930	.1691696	.4429590
#3	6.191119	.1714062	.4404779

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4329.719	61507.39	5995.510	3514.143	6138.194
Stddev	10.697	590.90	35.178	25.573	19.526
%RSD	.2470546	.9606895	.5867457	.7277092	.3181129
#1	4341.958	61025.81	6027.249	3501.494	6160.466
#2	4325.040	61329.59	6001.595	3497.361	6130.103
#3	4322.160	62166.77	5957.686	3543.576	6124.014

Sample Name: PB162819BL Acquired: 8/24/2024 14:52:39 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002304	-.001046	-.001275	-.001885	.0010677	.0164320
Stddev	.001534	.000938	.000757	.003965	.0027447	.0009288
%RSD	66.57212	89.66585	59.40290	210.3751	257.0731	5.652153
#1	-.003123	-.000186	-.001935	-.000645	.0013512	.0153861
#2	-.003254	-.000906	-.000448	-.006322	-.001808	.0171604
#3	-.000534	-.002047	-.001442	.001313	.003660	.0167494

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000937	-.000111	-.000027	.3991381	.0004515	.0000316
Stddev	.000845	.000011	.000029	.0063903	.0005254	.0001728
%RSD	90.15391	9.594718	104.5510	1.601025	116.3514	547.2838
#1	-.001371	-.000111	-.000031	.3975938	.0009942	-.000163
#2	-.001477	-.000121	.000003	.4061590	-.000055	.000165
#3	.000037	-.000100	-.000054	.3936615	.000415	.000093

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000052	-.001844	.0007076	.0102024	-.000026	-.000308
Stddev	.0002067	.008050	.0006470	.0353231	.000324	.000255
%RSD	4002.484	436.6769	91.44832	346.2219	1244.055	82.81126
#1	.0000719	-.010624	-.000036	.0184261	-.000352	-.000024
#2	-.000227	-.000098	.001143	.0406882	-.000022	-.000382
#3	.000170	.005191	.001016	-.028507	.000296	-.000519

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2446075	.0040347	.0172908	.4152562	-.006936	-.000163
Stddev	.0259362	.0049055	.0001611	.0436576	.000839	.000175
%RSD	10.60319	121.5826	.9315429	10.51340	12.09397	107.0440
#1	.2293225	-.001232	.0174425	.3653170	-.007368	-.000336
#2	.2299461	.008474	.0173082	.4461872	-.007471	.000013
#3	.2745539	.004862	.0171217	.4342644	-.005969	-.000167

Sample Name: PB162819BL Acquired: 8/24/2024 14:52:39 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010253	-.002919	.0091982	.0012029	F .0169083	-.004026
Stddev	.0004642	.001553	.0098868	.0003580	.0022624	.002045
%RSD	45.27205	53.20569	107.4863	29.76143	13.38042	50.78880
#1	.0014682	-.004640	-.001033	.0008446	.0156058	-.006247
#2	.0010655	-.001622	.018700	.0012035	.0155985	-.003607
#3	.0005424	-.002494	.009928	.0015606	.0195207	-.002223

Elem	Sr4077
Units	ppm
Avg	.0000062
Stddev	.0001253
%RSD	2011.864
#1	-.000133
#2	.000043
#3	.000109

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4702.258	62866.62	6115.298	3629.894	7236.293
Stddev	31.215	258.66	16.821	18.141	47.565
%RSD	.6638331	.4114473	.2750563	.4997786	.6573091
#1	4667.113	62568.27	6101.645	3611.959	7182.311
#2	4712.898	63003.75	6134.088	3648.235	7254.517
#3	4726.761	63027.85	6110.161	3629.487	7272.052

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: PB162819BS Acquired: 8/24/2024 14:56:59 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8040778	2.009546	.9752733	1.999135	.7865753	1.989359
Stddev	.0070051	.027330	.0051839	.015069	.0054800	.009302
%RSD	.8711972	1.360014	.5315346	.7537906	.6966956	.4676000
#1	.8103117	2.036506	.9809227	2.016417	.7927367	1.984785
#2	.8054247	2.010274	.9741621	1.992254	.7847428	2.000063
#3	.7964971	1.981860	.9707351	1.988735	.7822463	1.983230

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1988560	.2203348	.1916766	1.062116	.4051202	.1963361
Stddev	.0027132	.0023934	.0008095	.011861	.0002746	.0009179
%RSD	1.364421	1.086261	.4223354	1.116745	.0677834	.4675406
#1	.2015517	.2226462	.1925657	1.075759	.4054337	.1973959
#2	.1988907	.2178670	.1914817	1.054258	.4050049	.1957943
#3	.1961256	.2204912	.1909822	1.056330	.4049221	.1958180

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3071063	2.729186	.2022274	2.057324	.4872844	.0743054
Stddev	.0012483	.023425	.0005886	.014178	.0026645	.0003050
%RSD	.4064738	.8583088	.2910520	.6891447	.5467982	.4105232
#1	.3084649	2.709782	.2028298	2.050258	.4900192	.0742464
#2	.3068440	2.755208	.2016537	2.048067	.4871379	.0746356
#3	.3060100	2.722569	.2021988	2.073646	.4846963	.0740342

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.811243	.2960277	.1988744	9.121746	.2928285	.3865636
Stddev	.056650	.0015438	.0009042	.149740	.0039026	.0024266
%RSD	2.015117	.5214939	.4546569	1.641567	1.332729	.6277320
#1	2.760257	.2973224	.1984563	8.997681	.2963426	.3891061
#2	2.872225	.2943192	.1999120	9.288076	.2886284	.3863122
#3	2.801246	.2964414	.1982548	9.079482	.2935146	.3842725

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: PB162819BS Acquired: 8/24/2024 14:56:59 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6690695	.1904720	F .5792858	5.798229	F .0076837	.1940197
Stddev	.0022771	.0017497	.0075084	.035614	.0023631	.0039915
%RSD	.3403361	.9186253	1.296156	.6142188	30.75477	2.057271
#1	.6716818	.1908922	.5712955	5.837033	.0103259	.1895200
#2	.6680219	.1919733	.5861952	5.790616	.0057723	.1954057
#3	.6675047	.1885504	.5803666	5.767037	.0069529	.1971335

Elem	Sr4077
Units	ppm
Avg	.1911124
Stddev	.0005134
%RSD	.2686551
#1	.1916101
#2	.1911426
#3	.1905845

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4433.755	63574.47	5863.885	3628.934	6583.656
Stddev	18.179	207.63	54.527	14.759	27.834
%RSD	.4100043	.3265923	.9298816	.4066964	.4227758
#1	4414.763	63525.84	5804.769	3639.995	6554.662
#2	4435.509	63395.47	5912.210	3612.176	6586.141
#3	4450.993	63802.10	5874.675	3634.631	6610.164

Sample Name: P3579-02 Acquired: 8/24/2024 15:01:08 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1973919	.0153509	4.972838	.0103116	.0502310	49.46913	4.326904
Stddev	.0033258	.0022062	.027568	.0024009	.0021507	.11389	.010575
%RSD	1.684880	14.37212	.5543643	23.28312	4.281550	.2302154	.2444030
#1	.1937569	.0136586	4.956920	.0130800	.0485005	49.45802	4.336105
#2	.2002824	.0145481	4.956925	.0090551	.0526387	49.36121	4.315351
#3	.1981363	.0178462	5.004671	.0087998	.0495536	49.58817	4.329255

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0165102	.0108078	57.19334	.2737271	.1574967	6.602864	314.5810
Stddev	.0000553	.0000939	.06730	.0012579	.0011242	.035408	1.6636
%RSD	.3348443	.8686210	.1176735	.4595449	.7137982	.5362595	.5288388
#1	.0165740	.0108291	57.20831	.2722756	.1569554	6.592827	313.9964
#2	.0164796	.0108891	57.11982	.2745002	.1567455	6.573558	313.2885
#3	.0164770	.0107050	57.25190	.2744055	.1587891	6.642208	316.4580

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.929938	11.96383	.2591127	.0122898	5.585499	.3251399	6.901257
Stddev	.006594	.02232	.0017195	.0003805	.029047	.0020349	.019144
%RSD	.3416646	.1866022	.6636238	3.096067	.5200444	.6258596	.2774023
#1	1.935157	11.98937	.2583143	.0121544	5.562923	.3228014	6.883622
#2	1.922527	11.94803	.2579374	.0119954	5.575306	.3261106	6.898531
#3	1.932129	11.95408	.2610863	.0127194	5.618269	.3265078	6.921618

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.530654	.4269914	.0539045	2.372903	3.290411	7.670055	8.194076
Stddev	.032142	.0019356	.0001636	.008852	.010444	.058133	.039337
%RSD	.4921737	.4533129	.3035436	.3730456	.3173951	.7579259	.4800645
#1	6.516353	.4263913	.0538972	2.367347	3.296839	7.651518	8.187767
#2	6.508143	.4254269	.0540716	2.368251	3.278361	7.623450	8.158274
#3	6.567464	.4291560	.0537446	2.383111	3.296034	7.735196	8.236185

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3579-02 Acquired: 8/24/2024 15:01:08 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.009724	.0543294	.2834289
Stddev	.017753	.0014386	.0014120
%RSD	.3543626	2.647951	.4981965
#1	5.005193	.0555897	.2850231
#2	4.994677	.0527620	.2829281
#3	5.029303	.0546364	.2823356

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4657.338	66871.63	6540.108	3846.529	6184.924
Stddev	31.570	277.94	11.238	8.930	40.776
%RSD	.6778463	.4156285	.1718245	.2321576	.6592802
#1	4654.197	67174.53	6545.037	3856.783	6188.412
#2	4690.361	66812.04	6527.248	3842.349	6223.843
#3	4627.457	66628.32	6548.038	3840.456	6142.515

Sample Name: P3580-01 Acquired: 8/24/2024 15:05:16 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0414023	.0031108	.7115920	.0027477	.0042844	52.13509
Stddev	.0016813	.0007922	.0018627	.0029120	.0010333	.02826
%RSD	4.060902	25.46682	.2617656	105.9771	24.11694	.0542064
#1	.0404170	.0023987	.7106900	.0006487	.0051623	52.12583
#2	.0433436	.0029695	.7103519	.0060721	.0031457	52.11261
#3	.0404463	.0039642	.7137339	.0015223	.0045451	52.16681

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8234586	.0081433	.0051586	6.962876	.0808732	.0200823
Stddev	.0003703	.0000679	.0000402	.017612	.0006027	.0000459
%RSD	.0449707	.8338621	.7791611	.2529361	.7453062	.2285521
#1	.8230449	.0080651	.0051834	6.952238	.0810451	.0200816
#2	.8235716	.0081877	.0051122	6.953185	.0813714	.0200368
#3	.8237592	.0081770	.0051801	6.983204	.0802032	.0201285

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1431899	24.79631	.5096129	6.035732	.0612414	.0694711
Stddev	.0003932	.06554	.0006092	.018876	.0004632	.0007345
%RSD	.2745790	.2643320	.1195437	.3127397	.7562948	1.057280
#1	.1427370	24.72110	.5092283	6.057174	.0608489	.0695441
#2	.1434435	24.82656	.5103153	6.021621	.0611230	.0687028
#3	.1433892	24.84127	.5092950	6.028401	.0617523	.0701664

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.942320	.1174938	.8016919	1.956011	-.020664	.0026014
Stddev	.019654	.0030499	.0012018	.038194	.001822	.0002261
%RSD	.4985434	2.595790	.1499060	1.952633	8.818558	8.693584
#1	3.921186	.1160432	.8024901	1.958585	-.021270	.0024118
#2	3.960050	.1209982	.8022759	1.916596	-.018616	.0028517
#3	3.945723	.1154399	.8003097	1.992853	-.022105	.0025406

Sample Name: P3580-01 Acquired: 8/24/2024 15:05:16 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0145737	.6804460	4.829656	3.233019	F 17.79021	.0229195
Stddev	.0012653	.0024337	.048686	.005099	.02807	.0008762
%RSD	8.681932	.3576667	1.008073	.1577066	.1577966	3.823123
#1	.0155792	.6830596	4.792339	3.227574	17.75787	.0223250
#2	.0131530	.6800337	4.884728	3.237681	17.80452	.0239258
#3	.0149890	.6782448	4.811900	3.233801	17.80825	.0225078

Elem	Sr4077
Units	ppm
Avg	.0439025
Stddev	.0001823
%RSD	.4153515
#1	.0439161
#2	.0440776
#3	.0437137

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4887.873	72286.28	6665.715	4156.822	6654.839
Stddev	5.620	260.61	17.117	16.096	12.209
%RSD	.1149819	.3605180	.2567886	.3872169	.1834636
#1	4893.549	72566.59	6659.742	4174.640	6665.986
#2	4882.310	72240.93	6685.018	4152.489	6641.791
#3	4887.760	72051.33	6652.385	4143.335	6656.741

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3580-02 Acquired: 8/24/2024 15:09:26 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0094236	.0035091	.1543406	-.000796	-.000542	84.99908
Stddev	.0005400	.0004795	.0022669	.003782	.001662	.22874
%RSD	5.730391	13.66418	1.468753	474.8832	306.9078	.2691110
#1	.0100147	.0039991	.1535147	-.001557	-.002399	84.78778
#2	.0093001	.0034873	.1569047	.003308	.000806	84.96748
#3	.0089561	.0030408	.1526025	-.004140	-.000032	85.24198

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3839200	.0046106	.0000558	3.400404	.1276776	.0248527
Stddev	.0033745	.0000258	.0000520	.009315	.0001235	.0001642
%RSD	.8789553	.5587833	93.12217	.2739298	.0967674	.6605099
#1	.3820617	.0045841	-.000001	3.392785	.1278201	.0250234
#2	.3818832	.0046122	.000102	3.410788	.1276009	.0248387
#3	.3878152	.0046355	.000067	3.397639	.1276117	.0246960

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0782419	45.22839	.6055201	14.83000	.0816997	.0149774
Stddev	.0004153	.10253	.0014232	.03288	.0001378	.0002890
%RSD	.5308550	.2267031	.2350402	.2216827	.1686517	1.929605
#1	.0780617	45.29092	.6039242	14.84932	.0816618	.0149884
#2	.0787169	45.11006	.6066577	14.79204	.0818525	.0146831
#3	.0779471	45.28420	.6059783	14.84864	.0815849	.0152607

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.595264	.0781813	.2869080	4.069305	-.051569	.0007965
Stddev	.011713	.0039497	.0008626	.016887	.001978	.0000862
%RSD	.4513258	5.051950	.3006597	.4149869	3.835697	10.82130
#1	2.605596	.0736693	.2859164	4.049932	-.049417	.0007061
#2	2.582539	.0810129	.2873214	4.080914	-.051983	.0008057
#3	2.597656	.0798617	.2874860	4.077069	-.053307	.0008778

Sample Name: P3580-02 Acquired: 8/24/2024 15:09:26 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046102	.4594851	F 10.82828	2.062240	2.846473	.0872402
Stddev	.0001630	.0035166	.07601	.005024	.005071	.0022584
%RSD	3.536329	.7653300	.7019184	.2436371	.1781471	2.588700
#1	.0047805	.4606005	10.82724	2.068024	2.850686	.0890693
#2	.0045945	.4555461	10.75280	2.059742	2.840844	.0879354
#3	.0044556	.4623087	10.90480	2.058954	2.847888	.0847160

Elem	Sr4077
Units	ppm
Avg	-.007364
Stddev	.000116
%RSD	1.572941
#1	-.007448
#2	-.007232
#3	-.007412

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4693.349	68133.43	6478.706	3929.957	6284.363
Stddev	22.426	162.90	19.020	6.108	25.132
%RSD	.4778198	.2390917	.2935698	.1554252	.3999180
#1	4716.349	68191.85	6500.453	3935.343	6307.528
#2	4671.545	68259.07	6465.180	3931.208	6257.642
#3	4692.154	67949.38	6470.485	3923.320	6287.920

Sample Name: P3597-01 Acquired: 8/24/2024 15:16:57 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0843226	.0212009	.1722284	-.034174	.0127923	122.3249
Stddev	.0019038	.0016321	.0018921	.001249	.0020389	.2525
%RSD	2.257719	7.698317	1.098588	3.655404	15.93850	.2063807
#1	.0833118	.0193383	.1715372	-.032938	.0104383	122.3597
#2	.0865186	.0218836	.1743688	-.034149	.0139362	122.5581
#3	.0831375	.0223809	.1707790	-.035436	.0140024	122.0568

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.029280	.0257257	-.002699	29.36120	.2205627	.1409794
Stddev	.006154	.0001035	.000602	.09418	.0002572	.0024520
%RSD	.5978519	.4022627	22.31988	.3207506	.1166143	1.739279
#1	1.025573	.0257382	-.002862	29.36660	.2207187	.1417535
#2	1.036383	.0258225	-.002032	29.45256	.2207035	.1429509
#3	1.025884	.0256166	-.003204	29.26444	.2202658	.1382337

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1228172	432.1981	4.372315	33.40085	.2154667	.0089987
Stddev	.0067683	1.9969	.013756	.03404	.0034260	.0004278
%RSD	5.510863	.4620307	.3146076	.1019088	1.590060	4.754097
#1	.1207680	434.2867	4.370503	33.41650	.2151457	.0092067
#2	.1303732	430.3077	4.386887	33.42426	.2190420	.0085067
#3	.1173103	431.9999	4.359555	33.36180	.2122125	.0092828

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.226656	.4670813	.3675192	5.122498	-.458613	-.000652
Stddev	.027864	.0029450	.0018047	.040926	.006911	.000531
%RSD	2.271571	.6305225	.4910630	.7989398	1.506936	81.40108
#1	1.249543	.4684260	.3695856	5.168183	-.451162	-.000165
#2	1.195628	.4637039	.3662519	5.110122	-.464813	-.001218
#3	1.234796	.4691140	.3667202	5.089188	-.459864	-.000573

Sample Name: P3597-01 Acquired: 8/24/2024 15:16:57 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0118774	1.709365	F 12.38295	1.052527	.6312220	.2080440
Stddev	.0011449	.005735	.07672	.012309	.0062363	.0024327
%RSD	9.638836	.3355323	.6195849	1.169464	.9879674	1.169333
#1	.0130584	1.706414	12.46952	1.050126	.6274232	.2052357
#2	.0107724	1.715975	12.32335	1.065860	.6384193	.2093899
#3	.0118015	1.705705	12.35600	1.041596	.6278234	.2095064

Elem	Sr4077
Units	ppm
Avg	-.236066
Stddev	.002658
%RSD	1.125972
#1	-.238427
#2	-.233187
#3	-.236586

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4967.456	70216.14	6922.694	4092.424	6086.843
Stddev	50.752	250.99	28.106	19.131	71.960
%RSD	1.021684	.3574506	.4059993	.4674641	1.182222
#1	4976.203	69983.98	6944.680	4070.381	6093.744
#2	4912.900	70482.46	6891.027	4102.202	6011.680
#3	5013.266	70181.99	6932.375	4104.690	6155.103

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3600-02 Acquired: 8/24/2024 15:21:09 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1701007	.0281122	8.991602	-.039106	.0050811	45.30044
Stddev	.0009286	.0020394	.073118	.003104	.0013631	.08720
%RSD	.5459307	7.254659	.8131810	7.937627	26.82660	.1925020
#1	.1691923	.0281489	8.921816	-.041375	.0065804	45.21303
#2	.1700616	.0260546	8.985340	-.035568	.0047459	45.38744
#3	.1710483	.0301330	9.067649	-.040375	.0039168	45.30083

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.482404	.0256206	.0115565	72.37876	.2871866	.1060563
Stddev	.002695	.0002340	.0003136	.11253	.0009840	.0007346
%RSD	.1085823	.9132194	2.713381	.1554752	.3426412	.6926528
#1	2.483333	.0257225	.0111970	72.25047	.2860642	.1060175
#2	2.484513	.0257864	.0117738	72.46077	.2879011	.1053419
#3	2.479367	.0253530	.0116986	72.42504	.2875945	.1068095

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.408410	623.9147	4.623809	18.67852	.4739351	.0198987
Stddev	.013805	3.9257	.007792	.04107	.0040834	.0005431
%RSD	.9801754	.6292083	.1685228	.2198883	.8615913	2.729203
#1	1.393357	621.6422	4.619874	18.63614	.4694740	.0193485
#2	1.411392	621.6541	4.632784	18.71815	.4748438	.0204344
#3	1.420480	628.4477	4.618770	18.68127	.4774877	.0199133

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.804781	.3937411	8.940884	5.417106	-.653603	.0308886
Stddev	.018702	.0016967	.006656	.072544	.019911	.0005961
%RSD	1.036259	.4309309	.0744444	1.339156	3.046351	1.929841
#1	1.818506	.3950997	8.936791	5.333439	-.654403	.0302458
#2	1.783479	.3918392	8.937296	5.455419	-.673103	.0314231
#3	1.812356	.3942844	8.948564	5.462461	-.633305	.0309969

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: P3600-02 Acquired: 8/24/2024 15:21:09 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.360511	5.672415	6.330906	F 11.31565	6.243391	.0417604
Stddev	.043117	.001791	.038473	.09048	.035573	.0024325
%RSD	.8043458	.0315800	.6076940	.7995679	.5697760	5.824855
#1	5.314809	5.673185	6.300176	11.21728	6.202462	.0423030
#2	5.366258	5.670367	6.318489	11.33437	6.260835	.0391025
#3	5.400467	5.673692	6.374054	11.39531	6.266874	.0438759

Elem	Sr4077
Units	ppm
Avg	-.006122
Stddev	.004722
%RSD	77.12868
#1	-.003224
#2	-.003572
#3	-.011571

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4753.979	64864.22	6557.700	3767.997	6295.887
Stddev	34.075	250.88	26.856	24.078	51.491
%RSD	.7167716	.3867779	.4095317	.6390153	.8178557
#1	4787.319	65064.45	6568.721	3781.081	6345.694
#2	4755.407	64945.41	6527.087	3782.700	6299.105
#3	4719.213	64582.80	6577.293	3740.210	6242.862

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: CCV05 Acquired: 8/24/2024 15:25:15 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.889821	4.984687	4.944742	4.925041	4.862612	9.868944	9.851659
Stddev	.017343	.032192	.018925	.016225	.015368	.066082	.055918
%RSD	.3546762	.6458205	.3827340	.3294434	.3160438	.6695967	.5675977
#1	4.906970	5.018462	4.963423	4.940759	4.879022	9.795962	9.791010
#2	4.872290	4.954355	4.925581	4.908353	4.848558	9.886147	9.862799
#3	4.890203	4.981243	4.945221	4.926010	4.860255	9.924724	9.901168

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2666294	2.469183	24.86420	1.025065	2.472990	1.233068	4.762678
Stddev	.0016377	.007542	.15231	.003217	.010259	.002748	.014433
%RSD	.6142234	.3054491	.6125565	.3138455	.4148294	.2228274	.3030358
#1	.2653452	2.477154	24.69076	1.024297	2.484133	1.235633	4.765933
#2	.2660694	2.462159	24.92569	1.028597	2.463937	1.230169	4.775205
#3	.2684737	2.468237	24.97615	1.022302	2.470900	1.233402	4.746895

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.469950	24.92218	2.449801	1.257799	23.07441	2.476463	2.486996
Stddev	.014716	.21588	.007884	.002595	.11254	.024643	.007996
%RSD	.5958094	.8662096	.3218328	.2063267	.4877470	.9951065	.3215240
#1	2.456860	24.67873	2.456910	1.256207	23.06164	2.448327	2.479481
#2	2.467112	24.99748	2.441321	1.260793	23.19279	2.486847	2.495399
#3	2.485879	25.09032	2.451172	1.256395	22.96879	2.494215	2.486108

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.76256	5.312721	4.928470	4.957565	4.930786	4.666112	4.985050
Stddev	.16267	.039675	.012436	.017527	.031877	.052110	.018726
%RSD	.6845821	.7467938	.2523327	.3535337	.6464946	1.116770	.3756474
#1	23.72680	5.280775	4.942212	4.976756	4.896463	4.632879	5.000502
#2	23.94014	5.300256	4.917990	4.942404	4.936433	4.726169	4.964225
#3	23.62075	5.357131	4.925209	4.953536	4.959463	4.639287	4.990423

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: CCV05 Acquired: 8/24/2024 15:25:15 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.760881	4.703640	4.958643
Stddev	.017129	.034298	.032395
%RSD	.3597923	.7291759	.6532952
#1	4.778117	4.667613	4.944328
#2	4.743860	4.707411	4.935872
#3	4.760666	4.735897	4.995729

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4496.965	60195.40	5903.153	3461.532	6404.624
Stddev	7.500	179.46	34.944	15.597	3.094
%RSD	.1667761	.2981284	.5919593	.4505776	.0483036
#1	4504.311	60197.32	5929.252	3467.685	6406.355
#2	4489.320	60014.98	5916.754	3443.797	6401.053
#3	4497.265	60373.89	5863.454	3473.115	6406.465

Sample Name: CCB05 Acquired: 8/24/2024 15:29:26 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0021671	-.001395	-.000842	.0019036	-.001108	.0155490	-.000910
Stddev	.0024228	.000940	.000826	.0016496	.000942	.0132685	.000883
%RSD	111.8013	67.38497	98.12620	86.65429	85.01215	85.33304	96.95619
#1	-.000615	-.002385	-.000335	.0037862	-.000236	.0052260	-.000102
#2	.003811	-.000515	-.001795	.0007114	-.002107	.0109060	-.001852
#3	.003305	-.001285	-.000395	.0012132	-.000981	.0305150	-.000778

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000123	-.000029	.0229940	.0003333	-.000015	.0003685	.0119113
Stddev	.000023	.000063	.0208073	.0007754	.000261	.0003853	.0034578
%RSD	18.50159	215.8026	90.49037	232.6374	1794.139	104.5584	29.02996
#1	-.000116	-.000098	.0451218	.0002716	.000081	-.000073	.0093090
#2	-.000105	-.000012	.0038237	.0011377	-.000309	.000634	.0158350
#3	-.000149	.000023	.0200364	-.000409	.000185	.000545	.0105898

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001351	.0194017	-.000095	-.000170	.0665218	.0042905	.0005104
Stddev	.0004173	.0045606	.000028	.000728	.0244313	.0052154	.0003082
%RSD	308.9265	23.50634	29.33759	429.2536	36.72680	121.5576	60.37417
#1	.0006169	.0163021	-.000109	.000241	.0438003	.0065481	.0004910
#2	-.000104	.0246385	-.000113	.000261	.0634019	-.001673	.0002124
#3	-.000107	.0172646	-.000063	-.001010	.0923633	.007997	.0008278

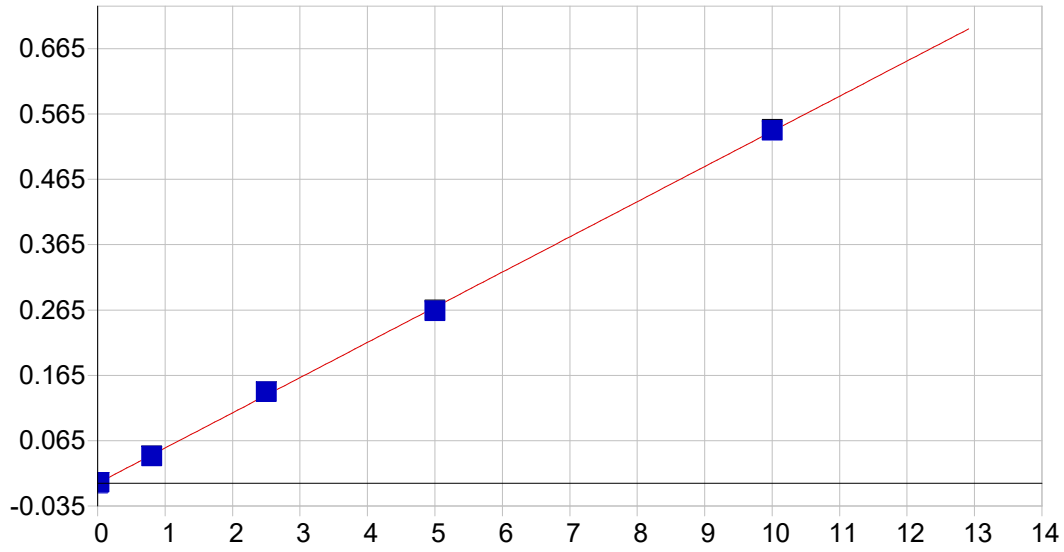
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4142039	-.001977	.0001745	.0075234	.0002124	.0082623	-.001461
Stddev	.0539014	.000866	.0003723	.0008240	.0009482	.0055047	.002171
%RSD	13.01325	43.81354	213.3703	10.95201	446.3397	66.62385	148.6389
#1	.3658787	-.002846	.0004825	.0066004	-.000572	.0123078	-.002056
#2	.4723350	-.001971	-.000239	.0077850	-.000057	.0104855	.000946
#3	.4043979	-.001114	.000280	.0081848	.001266	.0019937	-.003272

Reviewed By:Mohan
On:8/27/2024 8:05:04 AM
Inst Id :P4
LB :LB132156

Sample Name: CCB05 Acquired: 8/24/2024 15:29:26 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB05 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0054838	-.005319	.0001092
Stddev	.0016176	.001557	.0000770
%RSD	29.49787	29.27635	70.51595
#1	.0067077	-.006476	.0001315
#2	.0060937	-.005933	.0001727
#3	.0036499	-.003548	.0000235

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4640.324	63684.91	6089.903	3665.194	7122.587
Stddev	46.394	493.42	9.706	30.916	78.994
%RSD	.9997921	.7747869	.1593769	.8435100	1.109068
#1	4647.164	63334.34	6083.509	3637.268	7124.918
#2	4682.918	64249.16	6085.127	3698.416	7200.390
#3	4590.890	63471.24	6101.071	3659.897	7042.453

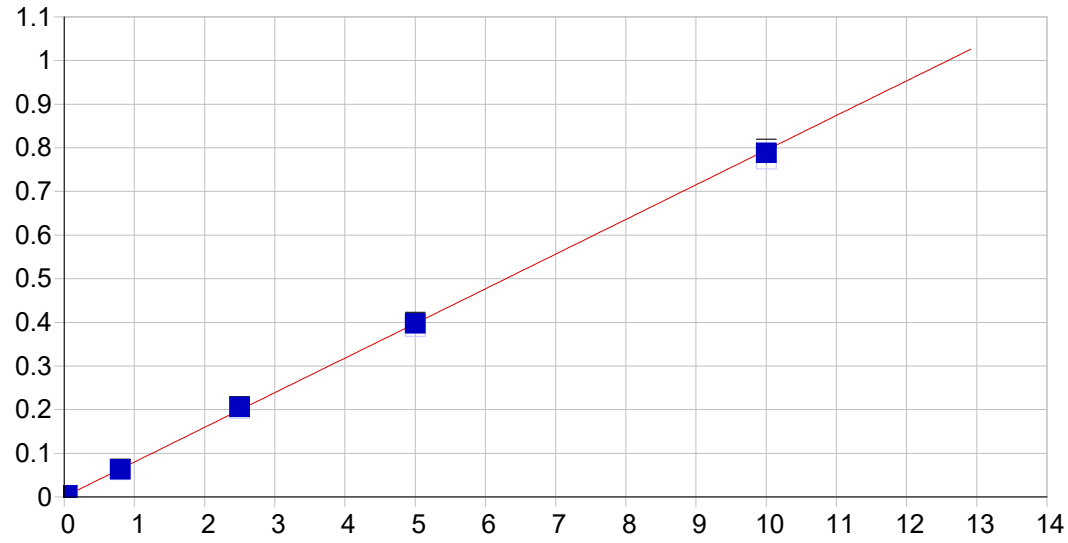


As 189.042 {479}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000101	Re-Slope:	1.000000
A1 (Gain):	0.053856	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999778	Status:	OK.
Std Error of Est:	0.000027		
Predicted MDL:	0.002794		
Predicted MQL:	0.009315		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00010	.000	1
S1	.02000	.02320	.003	16.0	.00114	.000	1
S3	2.5000	2.6022	.102	4.09	.13990	.000	1
S4	5.0000	4.8970	-.103	-2.06	.26334	.001	1
S5	10.000	10.029	.029	.290	.53944	.001	1
S2	.80000	.76863	-.031	-3.92	.04125	.000	1

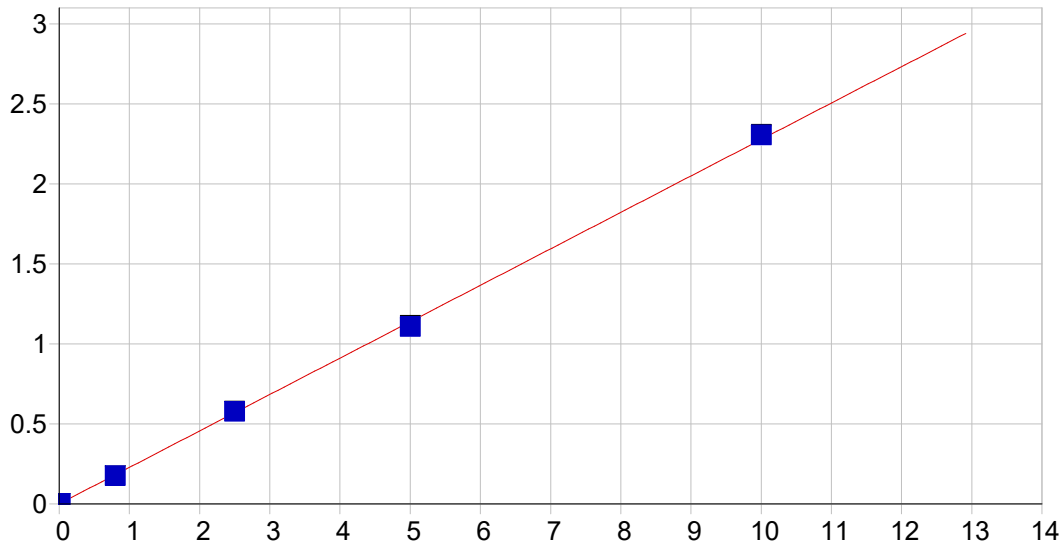


Tl 190.856 {477}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000500	Re-Slope:	1.000000
A1 (Gain):	0.079407	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999893	Status:	OK.
Std Error of Est:	0.000038		
Predicted MDL:	0.001676		
Predicted MQL:	0.005587		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00050	.000	1
S1	.04000	.04000	.000	.003	.00347	.000	1
S3	2.5000	2.5866	.087	3.46	.20224	.001	1
S4	5.0000	5.0024	.002	.048	.39041	.003	1
S5	10.000	9.9238	-.076	-.762	.77389	.009	1
S2	.80000	.78714	-.013	-1.61	.06183	.001	1

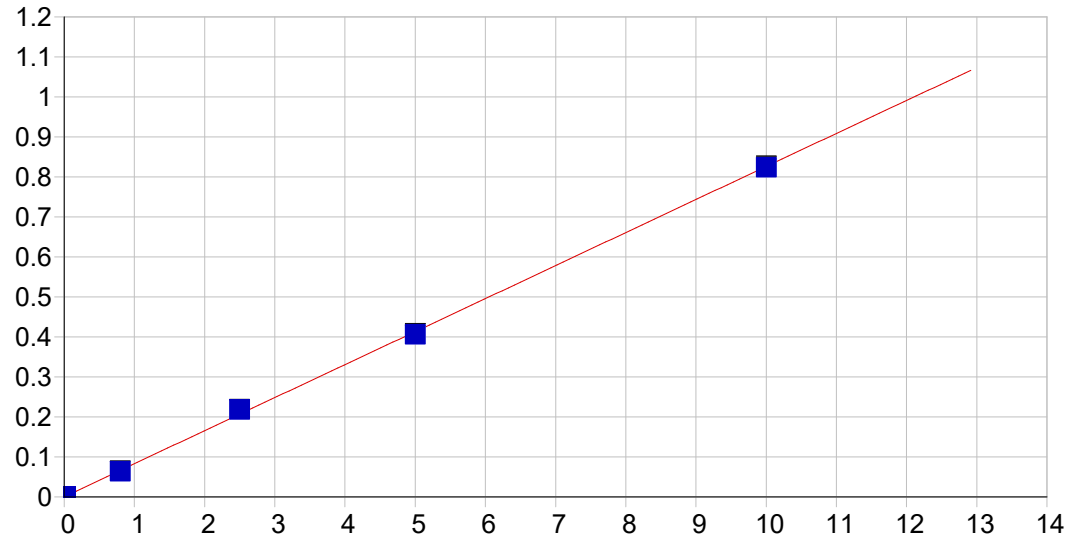


Pb 220.353 {453}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000384	Re-Slope:	1.000000
A1 (Gain):	0.227702	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999810	Status:	OK.
Std Error of Est:	0.000080		
Predicted MDL:	0.001438		
Predicted MQL:	0.004793		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00038	.000	1
S1	.01200	.01374	.002	14.5	.00346	.000	1
S3	2.5000	2.5382	.038	1.53	.57771	.001	1
S4	5.0000	4.8657	-.134	-2.69	1.1071	.007	1
S5	10.000	10.122	.122	1.22	2.3028	.004	1
S2	.80000	.77186	-.028	-3.52	.17594	.002	1

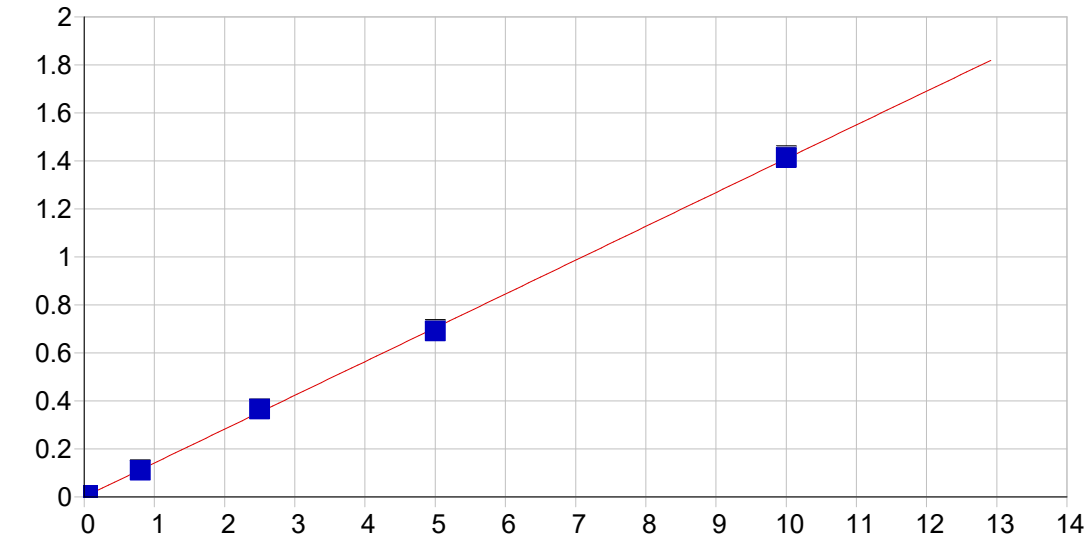


Se 196.090 {472}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000441	Re-Slope:	1.000000
A1 (Gain):	0.082556	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999726	Status:	OK.
Std Error of Est:	0.000045		
Predicted MDL:	0.002721		
Predicted MQL:	0.009070		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00044	.000	1
S1	.02000	.01885	-.001	-5.76	.00200	.000	1
S3	2.5000	2.6378	.138	5.51	.21815	.001	1
S4	5.0000	4.9144	-.086	-1.71	.40605	.003	1
S5	10.000	9.9753	-.025	-.247	.82375	.003	1
S2	.80000	.77375	-.026	-3.28	.06430	.000	1

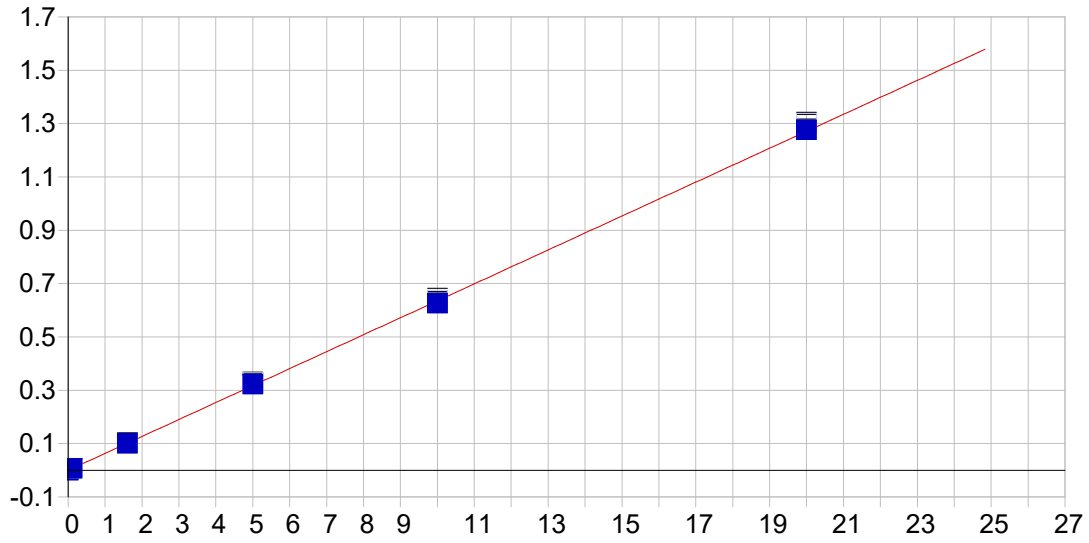


Sb 206.833 {463}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000469	Re-Slope:	1.000000
A1 (Gain):	0.140841	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999845	Status:	OK.
Std Error of Est:	0.000092		
Predicted MDL:	0.002032		
Predicted MQL:	0.006775		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00047	.000	1
S1	.05000	.04806	-.002	-3.88	.00725	.000	1
S3	2.5000	2.5892	.089	3.57	.36609	.001	1
S4	5.0000	4.9003	-.100	-1.99	.69255	.005	1
S5	10.000	10.030	.030	.303	1.4170	.004	1
S2	.80000	.78220	-.018	-2.22	.11094	.001	1

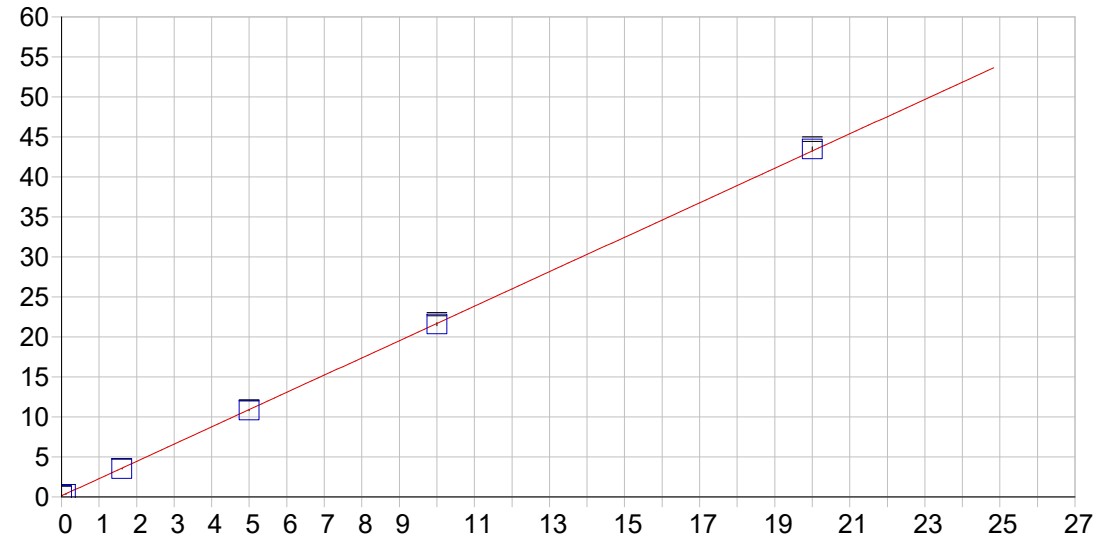


Al 396.152 { 85}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000388	Re-Slope:	1.000000
A1 (Gain):	0.063576	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999943	Status:	OK.
Std Error of Est:	0.000051		
Predicted MDL:	0.021126		
Predicted MQL:	0.070421		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	-.00039	.001	1
S1	.10000	.10812	.008	8.12	.00698	.001	1
S3	5.0000	5.0760	.076	1.52	.32849	.002	1
S4	10.000	9.8563	-.144	-1.44	.63857	.006	1
S5	20.000	20.077	.077	.384	1.3007	.004	1
S2	1.6000	1.5824	-.018	-1.10	.10219	.002	1

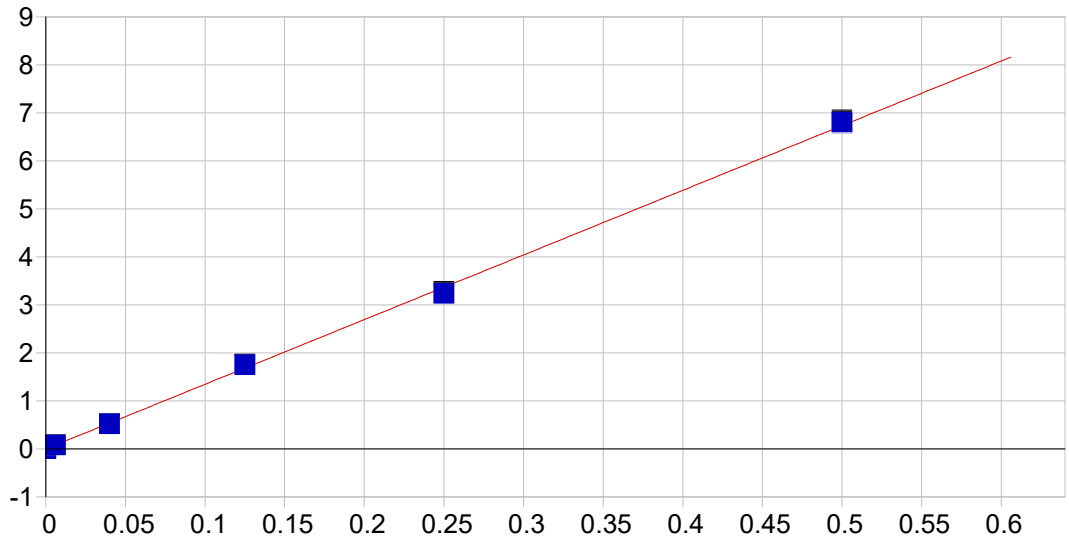


Ba 493.409 { 68}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.142075	Re-Slope:	1.000000
A1 (Gain):	2.154370	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999973	Status:	OK.
Std Error of Est:	0.001170		
Predicted MDL:	0.001573		
Predicted MQL:	0.005243		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.14208	.011	1
S1	.10000	.10167	.002	1.67	.36112	.001	1
S3	5.0000	4.9569	-.043	-.862	10.821	.055	1
S4	10.000	9.9571	-.043	-.429	21.593	.196	1
S5	20.000	20.118	.118	.588	43.483	.275	1
S2	1.6000	1.5667	-.033	-2.08	3.5174	.006	1

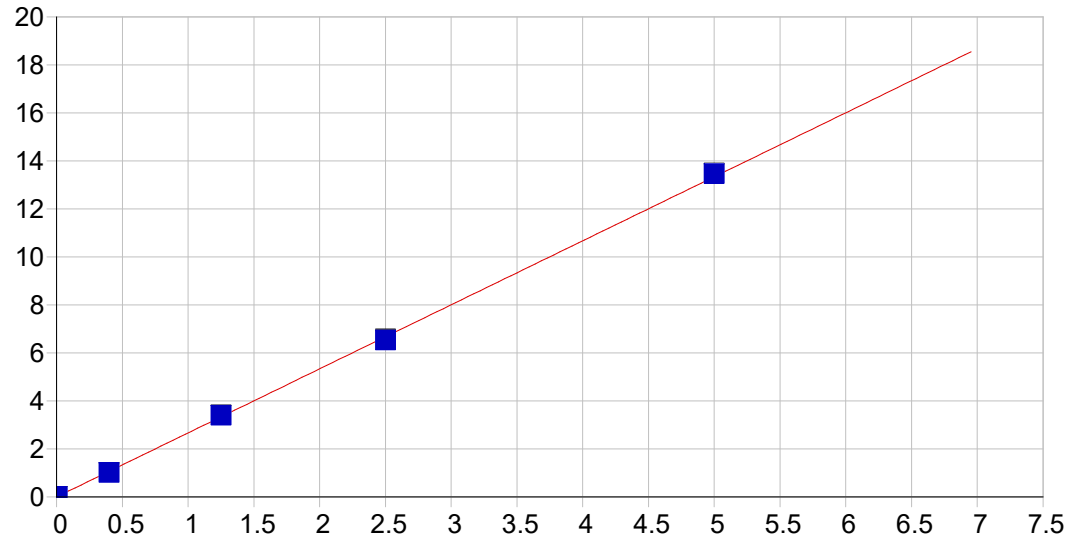


Be 234.861 {144}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000985	Re-Slope:	1.000000
A1 (Gain):	13.472294	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999645	Status:	OK.
Std Error of Est:	0.001029		
Predicted MDL:	0.000065		
Predicted MQL:	0.000215		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00099	.001	1
S1	.00600	.00613	.000	2.23	.08105	.000	1
S3	.12500	.13022	.005	4.18	1.7458	.015	1
S4	.25000	.24078	-.009	-3.69	3.2277	.036	1
S5	.50000	.50507	.005	1.01	6.7732	.052	1
S2	.04000	.03880	-.001	-2.99	.51937	.002	1

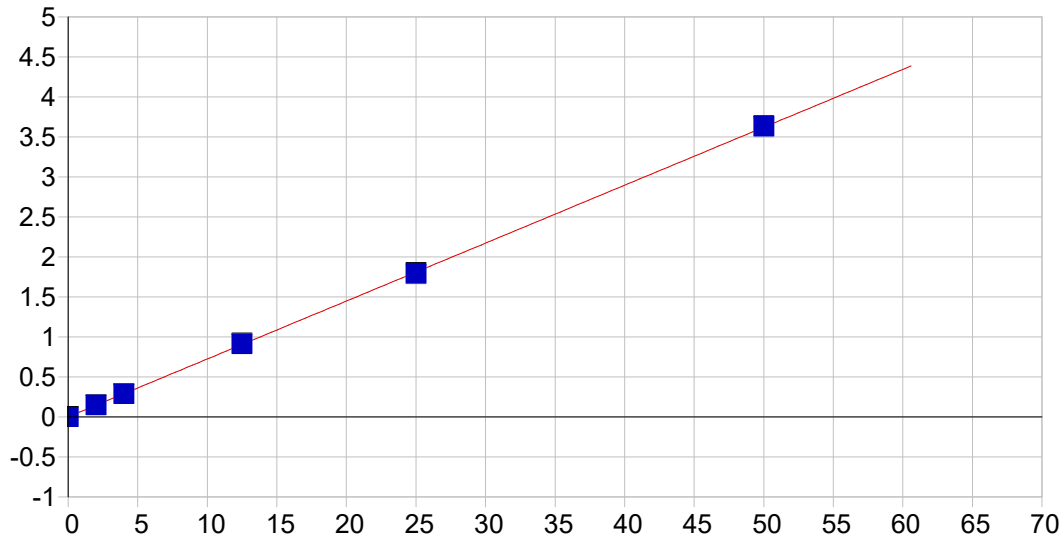


Cd 226.502 {449}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000473	Re-Slope:	1.000000
A1 (Gain):	2.667660	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999829	Status:	OK.
Std Error of Est:	0.000447		
Predicted MDL:	0.000099		
Predicted MQL:	0.000329		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00047	.000	1
S1	.00600	.00626	.000	4.30	.01722	.000	1
S3	1.2500	1.2735	.024	1.88	3.4000	.007	1
S4	2.5000	2.4482	-.052	-2.07	6.5360	.036	1
S5	5.0000	5.0492	.049	.983	13.479	.016	1
S2	.40000	.37885	-.021	-5.29	1.0118	.007	1

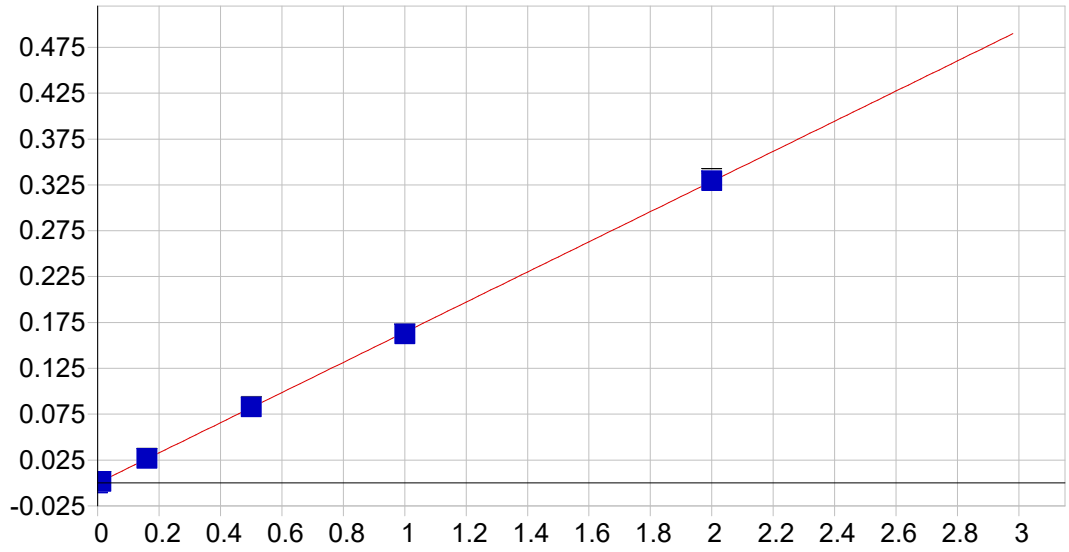


Ca 373.690 { 90}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000346	Re-Slope:	1.000000
A1 (Gain):	0.072402	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999971	Status:	OK.
Std Error of Est:	0.000290		
Predicted MDL:	0.017484		
Predicted MQL:	0.058279		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00002	-.000	.000	.00034	.002	1
S2	4.0000	3.9613	-.039	-.966	.28634	.002	1
S3	12.500	12.616	.116	.925	.91118	.009	1
S4	25.000	24.733	-.267	-1.07	1.7859	.012	1
S5	50.000	50.156	.156	.313	3.6215	.009	1
S1	2.0000	2.0336	.034	1.68	.14748	.001	1

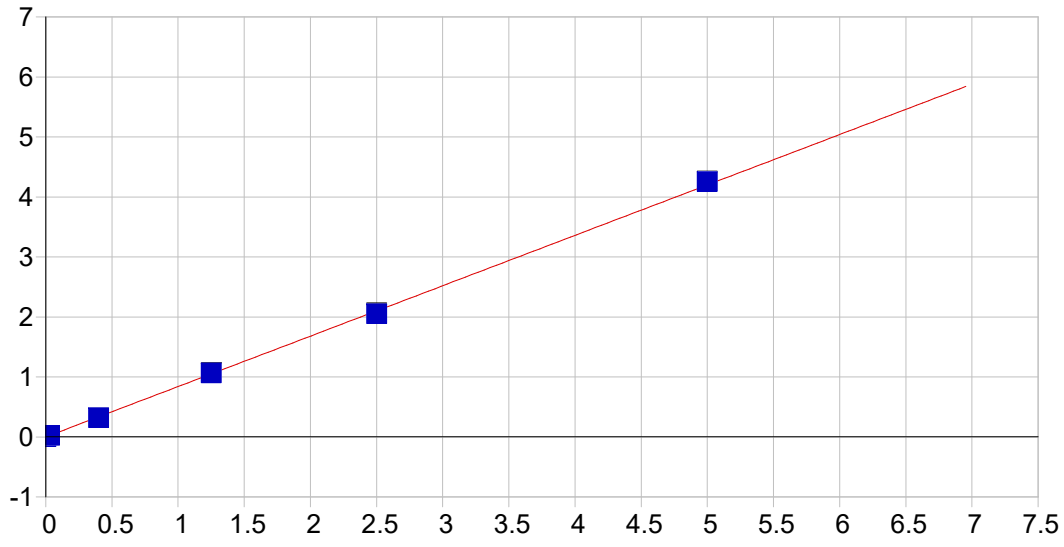


Cr 267.716 {126}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000070	Re-Slope:	1.000000
A1 (Gain):	0.164401	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999971	Status:	OK.
Std Error of Est:	0.000009		
Predicted MDL:	0.000581		
Predicted MQL:	0.001937		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00007	.000	1
S1	.01000	.01013	.000	1.32	.00160	.000	1
S3	.50000	.50380	.004	.759	.08278	.001	1
S4	1.0000	.98892	-.011	-1.11	.16256	.000	1
S5	2.0000	2.0043	.004	.213	.32953	.003	1
S2	.16000	.16289	.003	1.81	.02672	.000	1

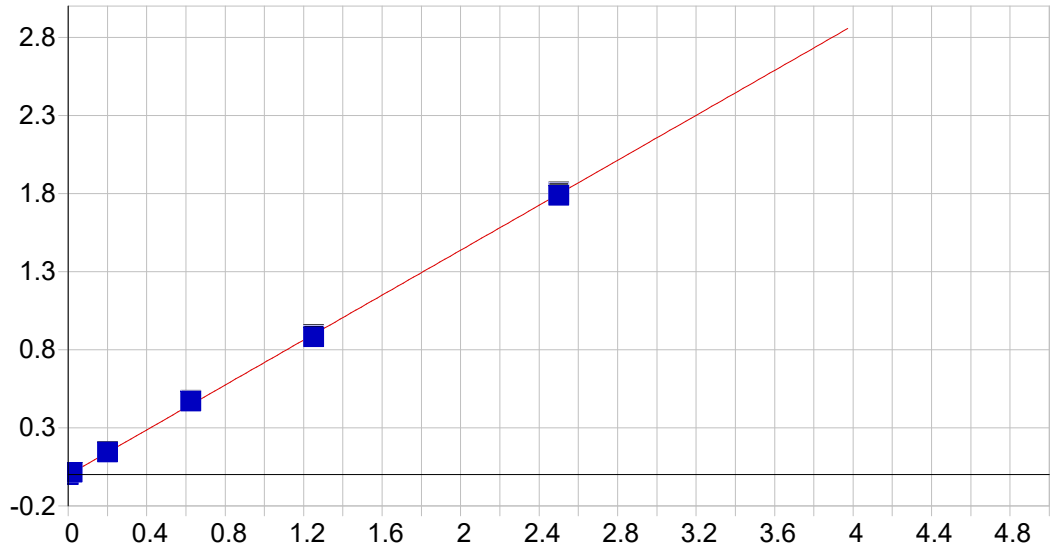


Co 228.616 {448}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000367	Re-Slope:	1.000000
A1 (Gain):	0.839958	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999818	Status:	OK.
Std Error of Est:	0.000326		
Predicted MDL:	0.000307		
Predicted MQL:	0.001024		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00037	.000	1
S1	.03000	.02968	-.000	-1.07	.02446	.000	1
S3	1.2500	1.2682	.018	1.45	1.0666	.003	1
S4	2.5000	2.4396	-.060	-2.41	2.0524	.015	1
S5	5.0000	5.0613	.061	1.23	4.2580	.005	1
S2	.40000	.38126	-.019	-4.68	.32045	.002	1

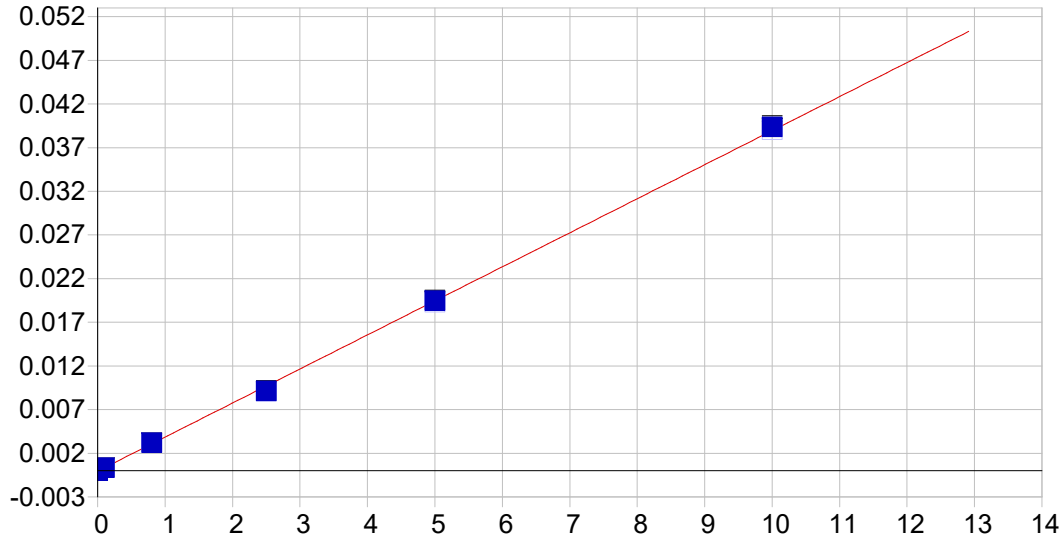


Cu 224.700 {450}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001473	Re-Slope:	1.000000
A1 (Gain):	0.719314	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999769	Status:	OK.
Std Error of Est:	0.000183		
Predicted MDL:	0.000539		
Predicted MQL:	0.001796		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00148	.000	1
S1	.02000	.02230	.002	11.5	.01476	.000	1
S3	.62500	.65511	.030	4.82	.47422	.001	1
S4	1.2500	1.2285	-.021	-1.72	.89116	.005	1
S5	2.5000	2.4873	-.013	-.510	1.8055	.003	1
S2	.20000	.20178	.002	.889	.14510	.001	1

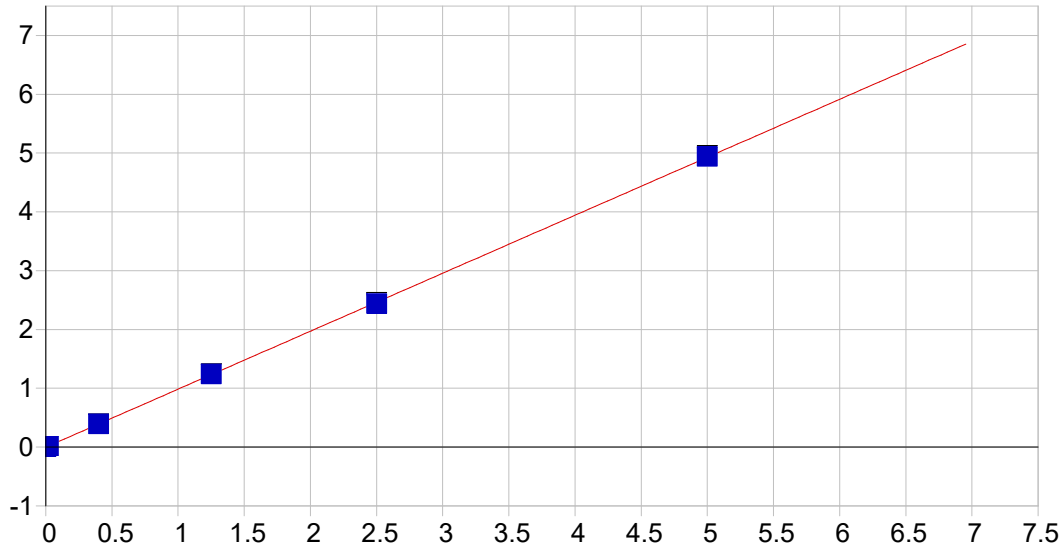


Fe 240.488 {140}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000049	Re-Slope:	1.000000
A1 (Gain):	0.003900	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999694	Status:	OK.
Std Error of Est:	0.000005		
Predicted MDL:	0.009697		
Predicted MQL:	0.032323		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00005	.000	1
S1	.10000	.09977	-.000	-.225	.00033	.000	1
S3	2.5000	2.3551	-.145	-5.80	.00905	.000	1
S4	5.0000	5.0032	.003	.063	.01930	.000	1
S5	10.000	10.107	.107	1.07	.03903	.000	1
S2	.80000	.83507	.035	4.38	.00318	.000	1

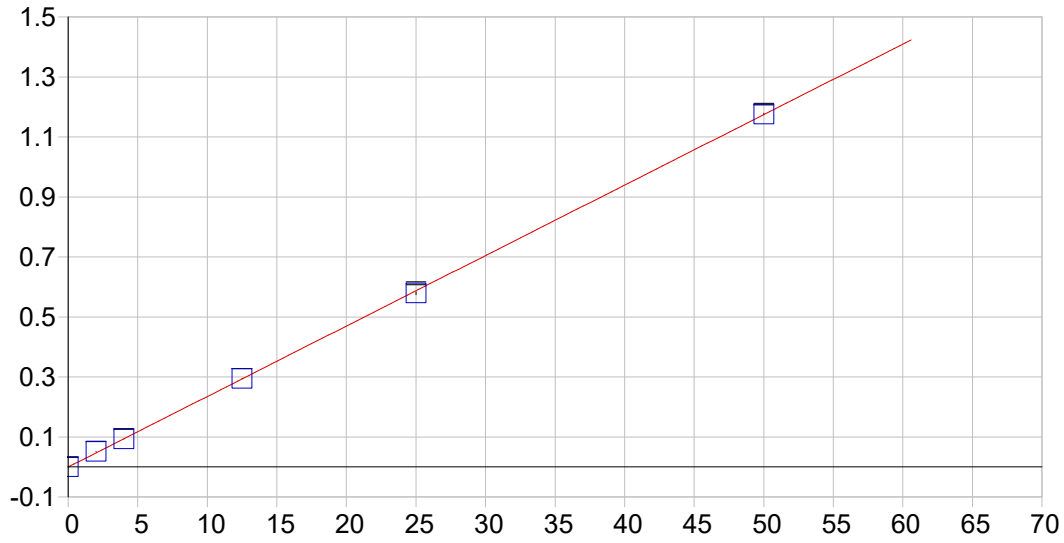


Mn 257.610 {131}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000620	Re-Slope:	1.000000
A1 (Gain):	0.985822	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999974	Status:	OK.
Std Error of Est:	0.000118		
Predicted MDL:	0.000521		
Predicted MQL:	0.001736		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00062	.000	1
S1	.02000	.02086	.001	4.28	.01994	.000	1
S3	1.2500	1.2622	.012	.980	1.2439	.009	1
S4	2.5000	2.4733	-.027	-1.07	2.4379	.022	1
S5	5.0000	5.0133	.013	.265	4.9421	.017	1
S2	.40000	.40032	.000	.080	.39407	.000	1

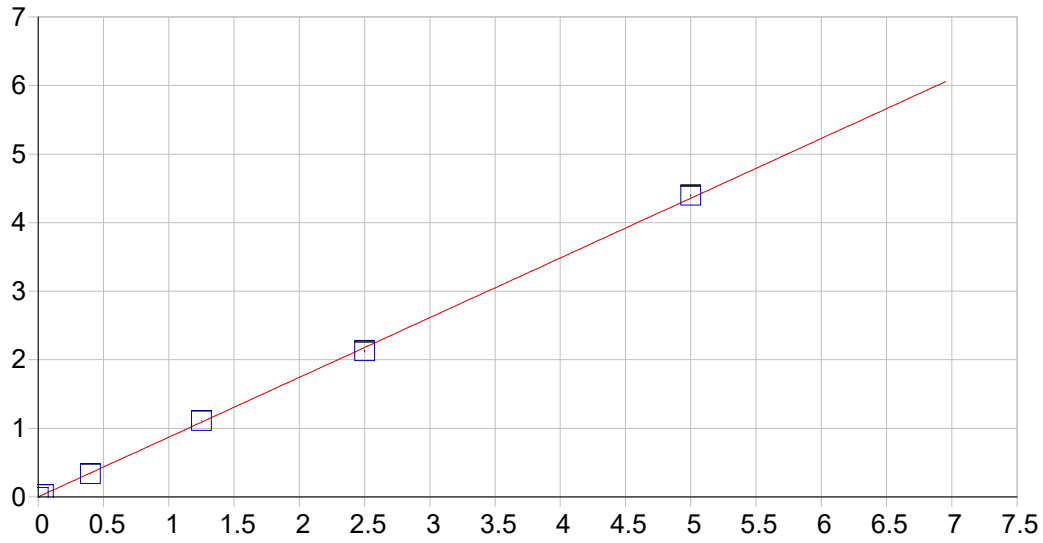


Mg 279.079 {121}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000192	Re-Slope:	1.000000
A1 (Gain):	0.023489	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999859	Status:	OK.
Std Error of Est:	0.000209		
Predicted MDL:	0.024304		
Predicted MQL:	0.081014		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00019	-.000	.000	-.00020	.000	1
S2	4.0000	3.9913	-.009	-.218	.09356	.001	1
S3	12.500	12.552	.052	.412	.29463	.000	1
S4	25.000	24.670	-.330	-1.32	.57929	.005	1
S5	50.000	50.079	.079	.159	1.1761	.002	1
S1	2.0000	2.2079	.208	10.4	.05167	.001	1

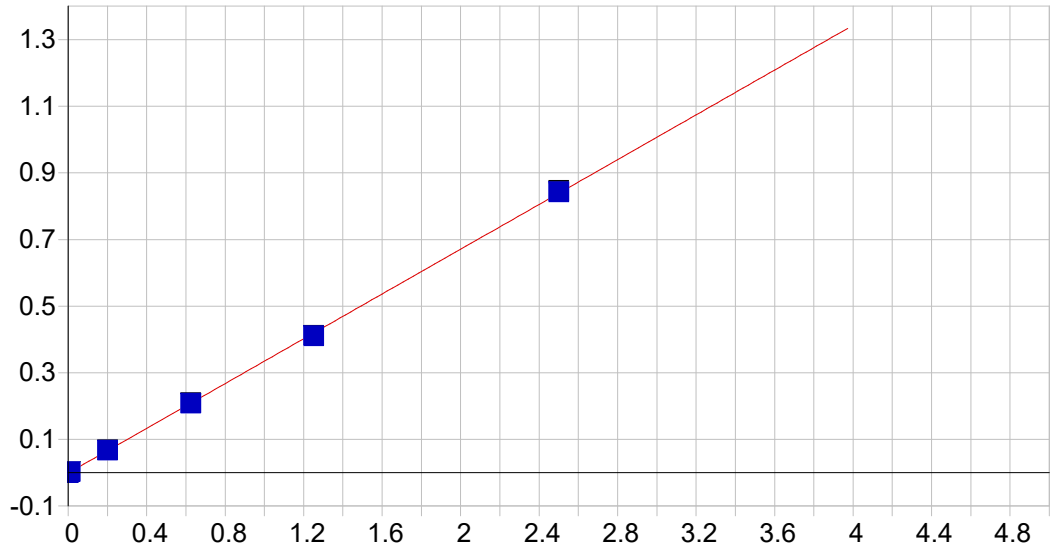


Ni 231.604 {446}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000383	Re-Slope:	1.000000
A1 (Gain):	0.871180	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999845	Status:	OK.
Std Error of Est:	0.000360		
Predicted MDL:	0.000329		
Predicted MQL:	0.001096		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00038	.000	1
S1	.04000	.03975	-.000	-.626	.03501	.000	1
S3	1.2500	1.2769	.027	2.15	1.1128	.002	1
S4	2.5000	2.4404	-.060	-2.39	2.1264	.012	1
S5	5.0000	5.0461	.046	.922	4.3965	.008	1
S2	.40000	.38689	-.013	-3.28	.33744	.003	1

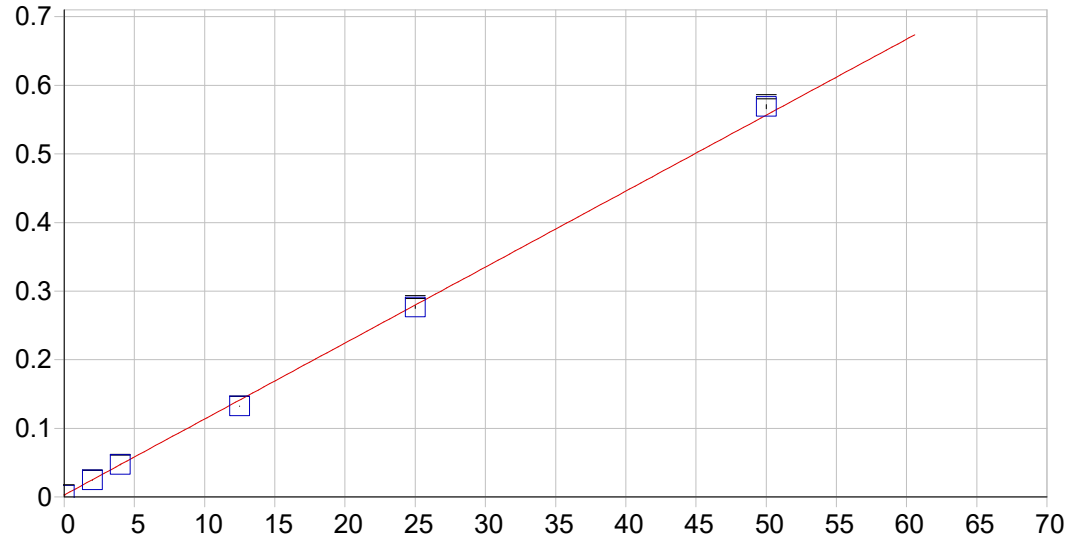


Ag 328.068 {103}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001434	Re-Slope:	1.000000
A1 (Gain):	0.336200	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999854	Status:	OK.
Std Error of Est:	0.000047		
Predicted MDL:	0.000584		
Predicted MQL:	0.001947		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00143	.000	1
S1	.01000	.01260	.003	26.0	.00278	.000	1
S3	.62500	.62413	-.001	-.139	.20759	.001	1
S4	1.2500	1.2276	-.022	-1.79	.40967	.001	1
S5	2.5000	2.5150	.015	.601	.84089	.003	1
S2	.20000	.20565	.006	2.82	.06745	.000	1

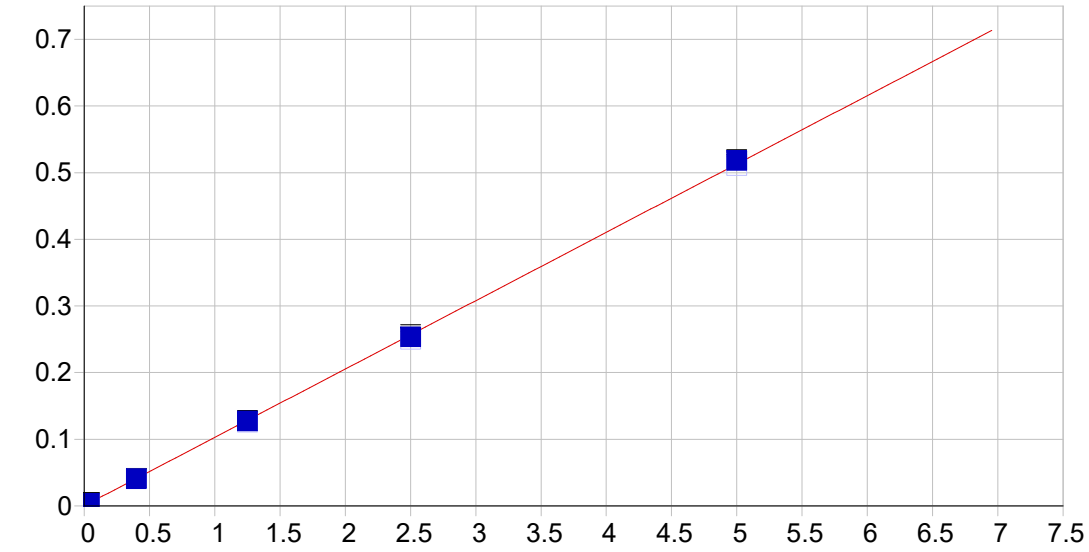


Na 589.592 { 57}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002858	Re-Slope:	1.000000
A1 (Gain):	0.011073	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999561	Status:	OK.
Std Error of Est:	0.000174		
Predicted MDL:	0.023941		
Predicted MQL:	0.079802		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00016	.000	.000	.00286	.000	1
S2	4.0000	3.9776	-.022	-.561	.04690	.000	1
S3	12.500	11.688	-.812	-6.49	.13228	.000	1
S4	25.000	24.740	-.260	-1.04	.27681	.002	1
S5	50.000	51.134	1.13	2.27	.56907	.003	1
S1	2.0000	1.9595	-.041	-2.03	.02455	.000	1

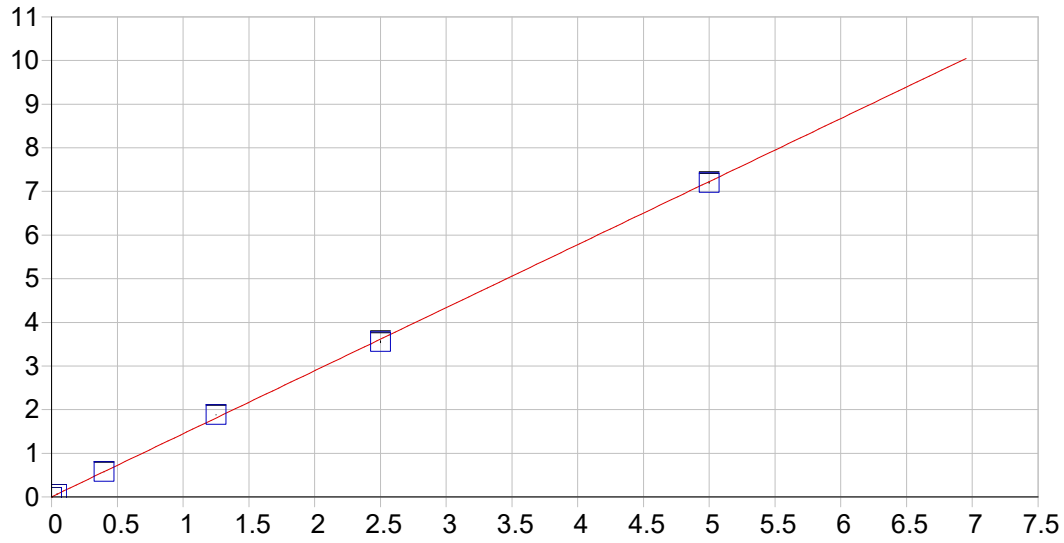


V 292.402 {115}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000293	Re-Slope:	1.000000
A1 (Gain):	0.102548	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999944	Status:	OK.
Std Error of Est:	0.000025		
Predicted MDL:	0.005287		
Predicted MQL:	0.017624		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00029	.000	1
S1	.04000	.03955	-.000	-1.12	.00420	.001	1
S3	1.2500	1.2361	-.014	-1.11	.12518	.001	1
S4	2.5000	2.4704	-.030	-1.18	.24989	.003	1
S5	5.0000	5.0476	.048	.952	.51044	.002	1
S2	.40000	.39631	-.004	-.923	.04034	.000	1

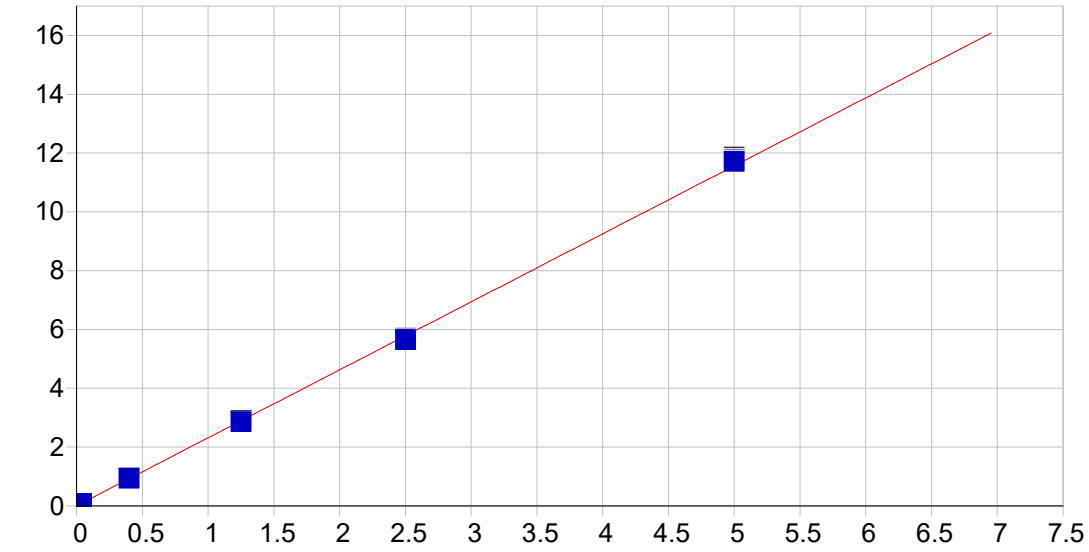


Zn 206.200 {464}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001597	Re-Slope:	1.000000
A1 (Gain):	1.444957	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999836	Status:	OK.
Std Error of Est:	0.000614		
Predicted MDL:	0.000157		
Predicted MQL:	0.000525		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00159	.000	1
S1	.04000	.04261	.003	6.52	.06316	.000	1
S3	1.2500	1.3024	.052	4.19	1.8836	.003	1
S4	2.5000	2.4616	-.038	-1.54	3.5584	.021	1
S5	5.0000	4.9842	-.016	-.315	7.2036	.018	1
S2	.40000	.39917	-.001	-.207	.57838	.005	1

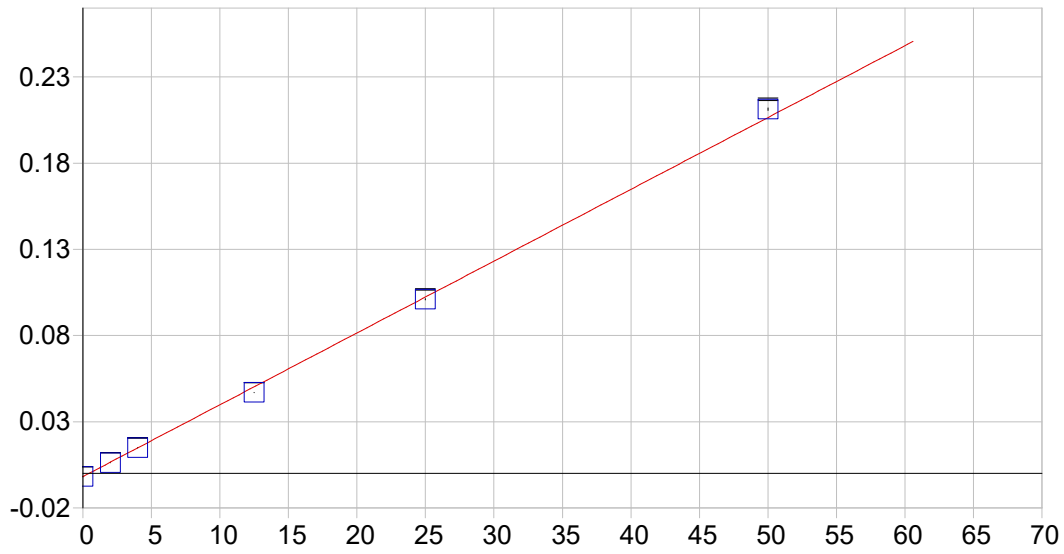


Zn 213.856 {158}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.003125	Re-Slope:	1.000000
A1 (Gain):	2.312441	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999877	Status:	OK.
Std Error of Est:	0.000857		
Predicted MDL:	0.000357		
Predicted MQL:	0.001189		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00312	.001	1
S1	.04000	.04132	.001	3.29	.09932	.001	1
S3	1.2500	1.2380	-.012	-.956	2.8861	.024	1
S4	2.5000	2.4435	-.057	-2.26	5.6937	.012	1
S5	5.0000	5.0650	.065	1.30	11.796	.069	1
S2	.40000	.40216	.002	.541	.93953	.002	1

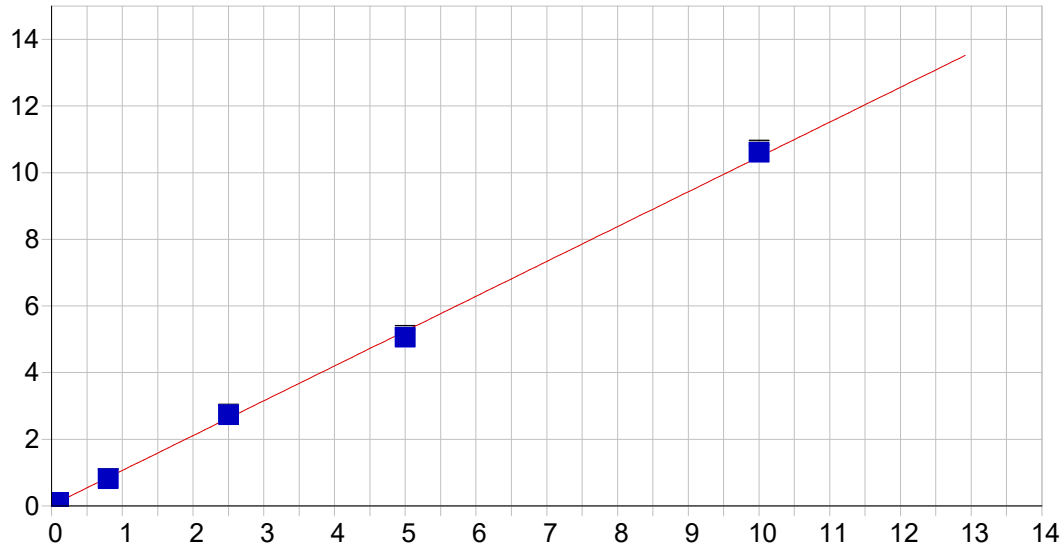


K 766.490 { 44}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001823	Re-Slope:	1.000000
A1 (Gain):	0.004166	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999560	Status:	OK.
Std Error of Est:	0.000065		
Predicted MDL:	0.067949		
Predicted MQL:	0.226496		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00017	.000	.000	-.00182	.000	1
S2	4.0000	3.9998	-.000	-.006	.01484	.000	1
S3	12.500	11.708	-.792	-6.33	.04696	.000	1
S4	25.000	24.700	-.300	-1.20	.10109	.000	1
S5	50.000	51.154	1.15	2.31	.21131	.001	1
S1	2.0000	1.9386	-.061	-3.07	.00625	.000	1

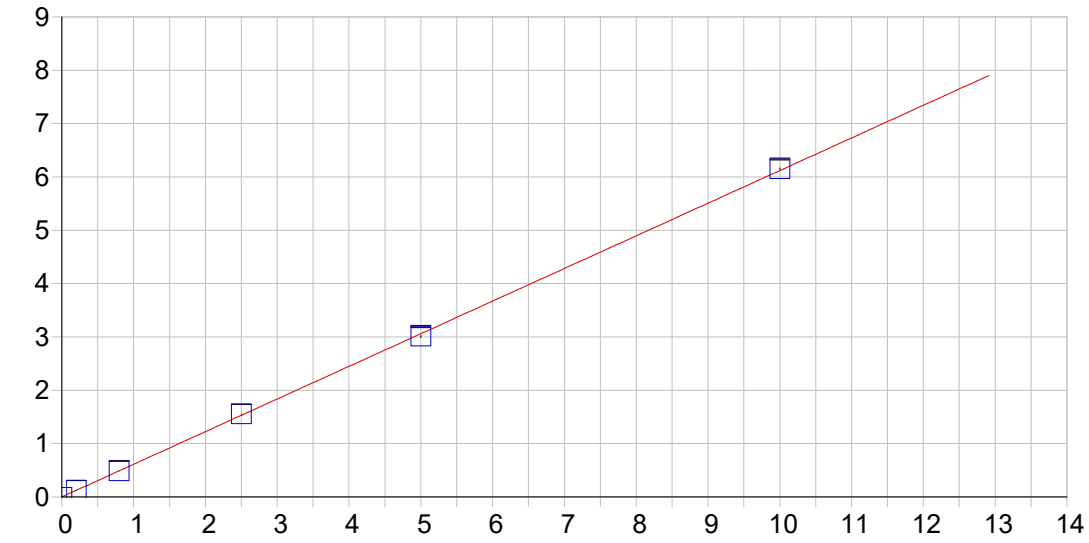


B 249.678 {135}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.018867	Re-Slope:	1.000000
A1 (Gain):	1.045294	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999559	Status:	OK.
Std Error of Est:	0.001626		
Predicted MDL:	0.000956		
Predicted MQL:	0.003187		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.01889	.000	1
S1	.10000	.08528	-.015	-14.7	.10757	.001	1
S3	2.5000	2.5995	.099	3.98	2.7310	.020	1
S4	5.0000	4.8241	-.176	-3.52	5.0512	.060	1
S5	10.000	10.132	.132	1.32	10.589	.069	1
S2	.80000	.75904	-.041	-5.12	.81065	.001	1

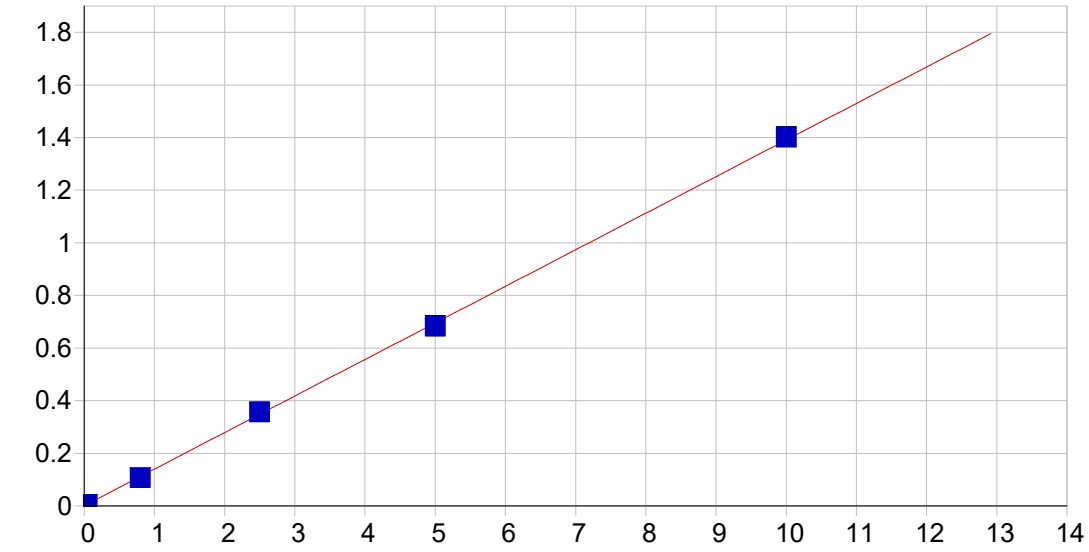


Mo 202.030 {467}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000277	Re-Slope:	1.000000
A1 (Gain):	0.611863	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999940	Status:	OK.
Std Error of Est:	0.000498		
Predicted MDL:	0.000378		
Predicted MQL:	0.001260		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00028	.000	1
S1	.20000	.20069	.001	.347	.12307	.000	1
S3	2.5000	2.5377	.038	1.51	1.5530	.003	1
S4	5.0000	4.9173	-.083	-1.65	3.0090	.019	1
S5	10.000	10.049	.049	.491	6.1490	.018	1
S2	.80000	.79514	-.005	-.608	.48679	.003	1

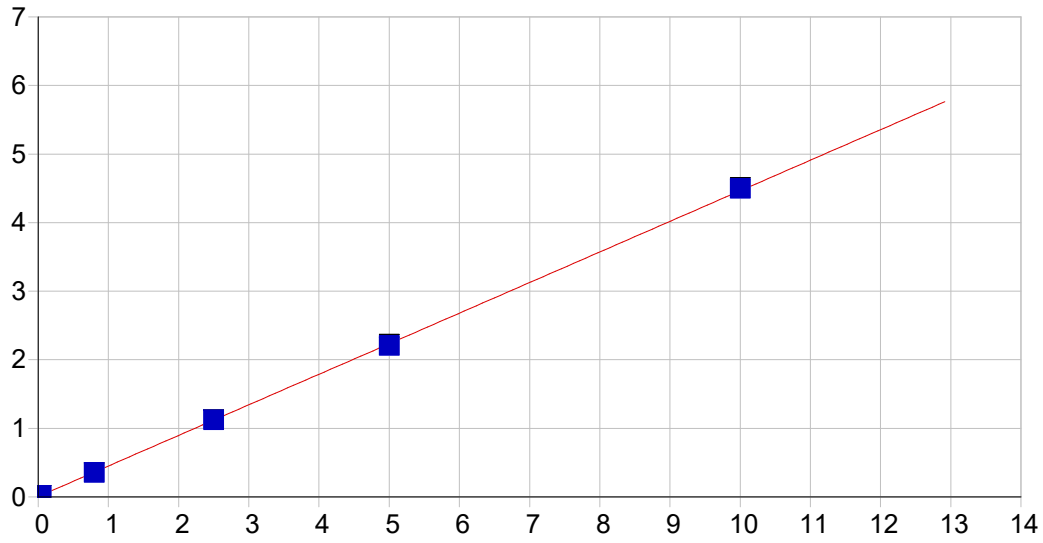


Sn 189.989 {478}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000749	Re-Slope:	1.000000
A1 (Gain):	0.138970	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999854	Status:	OK.
Std Error of Est:	0.000079		
Predicted MDL:	0.000782		
Predicted MQL:	0.002607		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00075	.000	1
S1	.04000	.03720	-.003	-7.01	.00591	.000	1
S3	2.5000	2.5590	.059	2.36	.35602	.001	1
S4	5.0000	4.9016	-.098	-1.97	.68121	.004	1
S5	10.000	10.074	.074	.741	1.3993	.003	1
S2	.80000	.76814	-.032	-3.98	.10738	.001	1

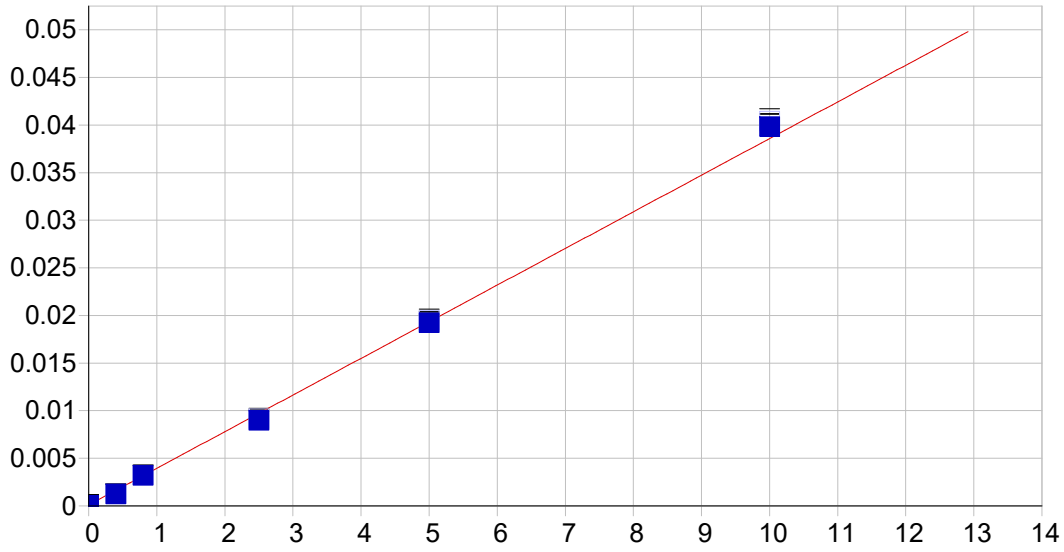


Ti 336.121 {100}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.004780	Re-Slope:	1.000000
A1 (Gain):	0.445917	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999940	Status:	OK.
Std Error of Est:	0.000162		
Predicted MDL:	0.002038		
Predicted MQL:	0.006794		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00478	.000	1
S1	.04000	.03691	-.003	-7.74	.02122	.000	1
S3	2.5000	2.5062	.006	.248	1.1219	.009	1
S4	5.0000	4.9359	-.064	-1.28	2.2050	.020	1
S5	10.000	10.081	.081	.806	4.4983	.012	1
S2	.80000	.78037	-.020	-2.45	.35263	.001	1

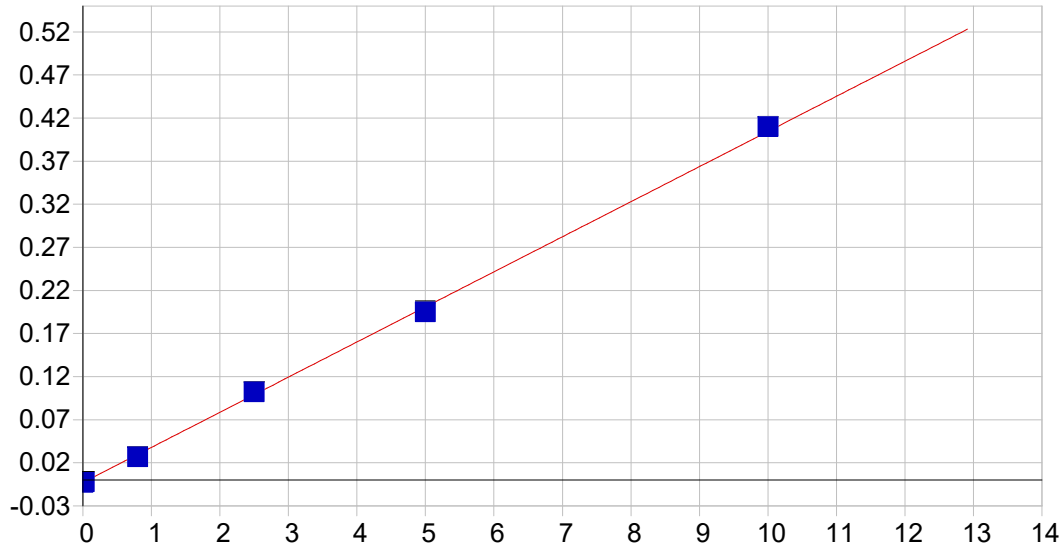


Si 288.158 {117}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000100	Re-Slope:	1.000000
A1 (Gain):	0.003849	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998654	Status:	OK.
Std Error of Est:	0.000021		
Predicted MDL:	0.015906		
Predicted MQL:	0.053020		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00012	.000	.000	.00010	.000	1
S1	.40000	.29725	-.103	-25.7	.00125	.000	1
S3	2.5000	2.3086	-.191	-7.65	.00913	.000	1
S4	5.0000	4.9653	-.035	-.693	.01950	.000	1
S5	10.000	10.325	.325	3.25	.04042	.000	1
S2	.80000	.80217	.002	.271	.00323	.000	1

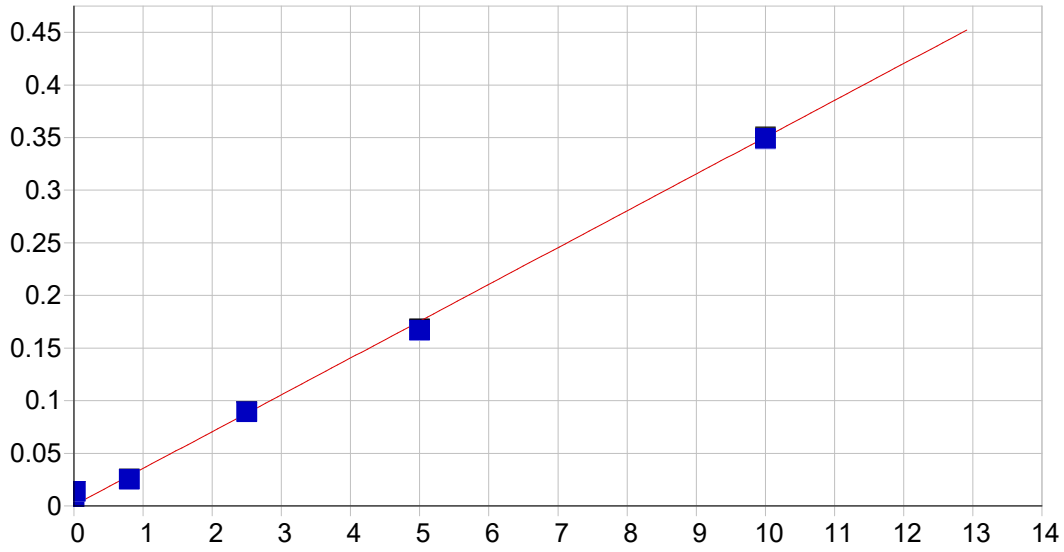


P 177.495 {490}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.002782	Re-Slope:	1.000000
A1 (Gain):	0.040728	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999579	Status:	OK.
Std Error of Est:	0.000028		
Predicted MDL:	0.002349		
Predicted MQL:	0.007830		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00278	.000	1
S1	.02000	.01869	-.001	-6.55	-.00202	.000	1
S3	2.5000	2.5807	.081	3.23	.10231	.000	1
S4	5.0000	4.8559	-.144	-2.88	.19496	.001	1
S5	10.000	10.138	.138	1.38	.41004	.000	1
S2	.80000	.72689	-.073	-9.14	.02682	.000	1

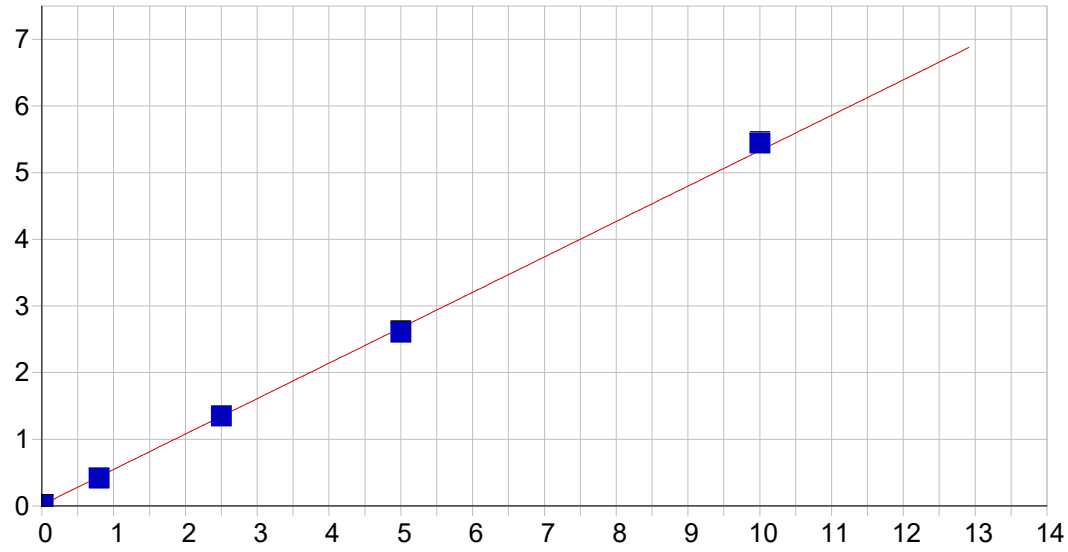


S 182.034 {485}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000625	Re-Slope:	1.000000
A1 (Gain):	0.034974	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.860295	Status:	OK.
Std Error of Est:	0.000484		
Predicted MDL:	0.002995		
Predicted MQL:	0.009982		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00035	-.000	.000	.00061	.000	1
S1	.02000	.37688	.357	1780.	.01378	.000	1
S3	2.5000	2.5350	.035	1.40	.08906	.000	1
S4	5.0000	4.7541	-.246	-4.92	.16644	.001	1
S5	10.000	9.9659	-.034	-.341	.34826	.001	1
S2	.80000	.70249	-.098	-12.2	.02512	.000	1

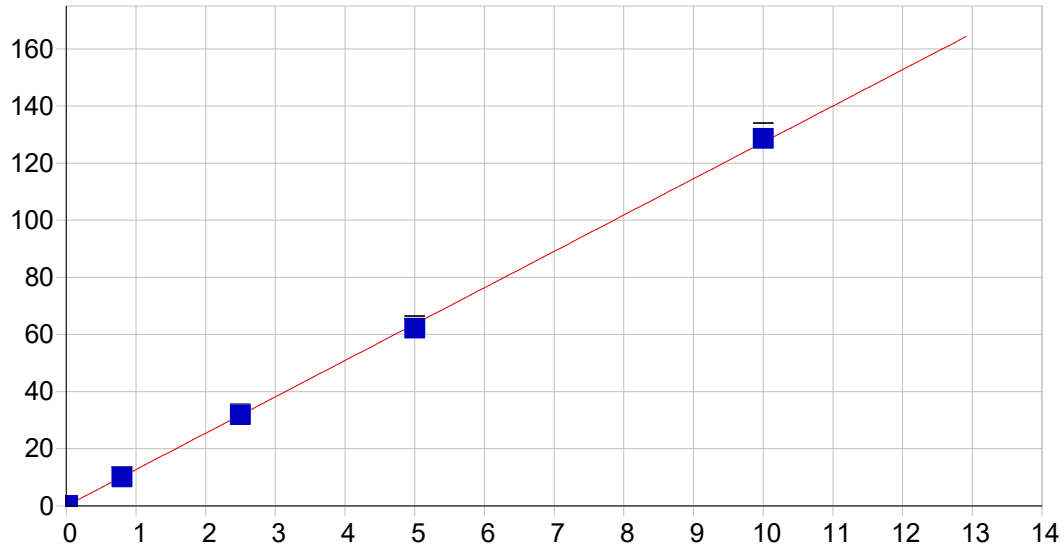


Li 670.784 { 50}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.015888	Re-Slope:	1.000000
A1 (Gain):	0.531414	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999039	Status:	OK.
Std Error of Est:	0.000547		
Predicted MDL:	0.005195		
Predicted MQL:	0.017317		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.01590	.002	1
S5	10.000	10.206	.206	2.06	5.4440	.021	1
S4	5.0000	4.8651	-.135	-2.70	2.6037	.021	1
S3	2.5000	2.5030	.003	.120	1.3472	.006	1
S1	.02000	-.00198	-.022	-110.	.01503	.004	1
S2	.80000	.74872	-.051	-6.41	.41415	.002	1

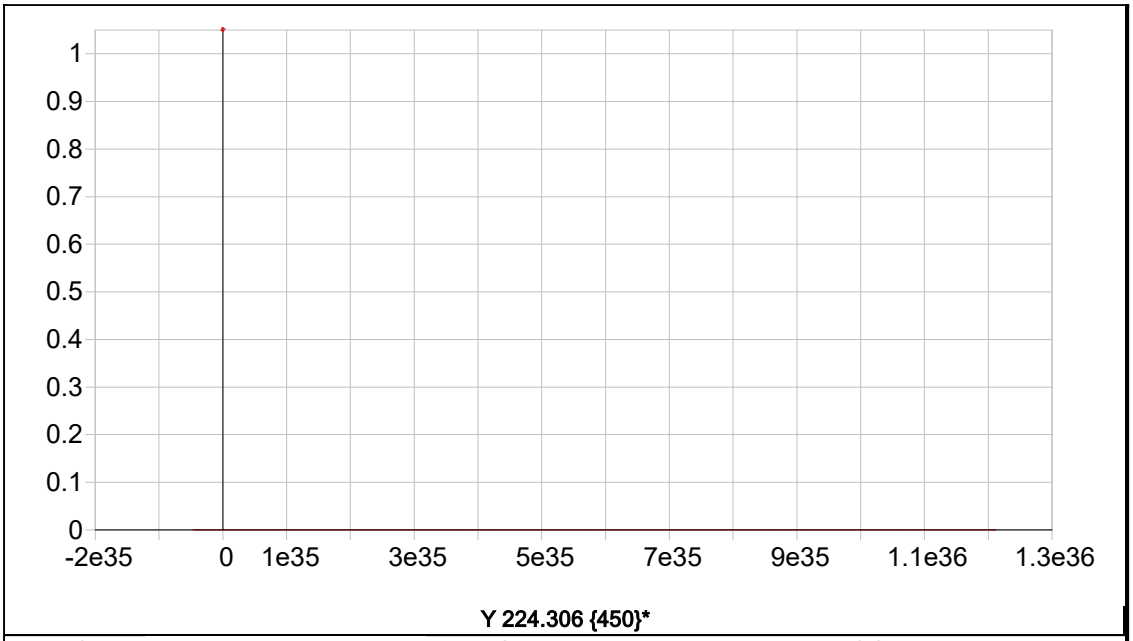


Sr 407.771 { 83}

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002671	Re-Slope:	1.000000
A1 (Gain):	12.727527	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999895	Status:	OK.
Std Error of Est:	0.004333		
Predicted MDL:	0.000130		
Predicted MQL:	0.000433		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00267	.002	1
S1	.02000	.02014	.000	.705	.26029	.000	1
S3	2.5000	2.5119	.012	.476	32.005	.168	1
S4	5.0000	4.8863	-.114	-2.27	62.257	.819	1
S5	10.000	10.108	.108	1.08	128.78	1.88	1
S2	.80000	.79343	-.007	-.821	10.111	.035	1

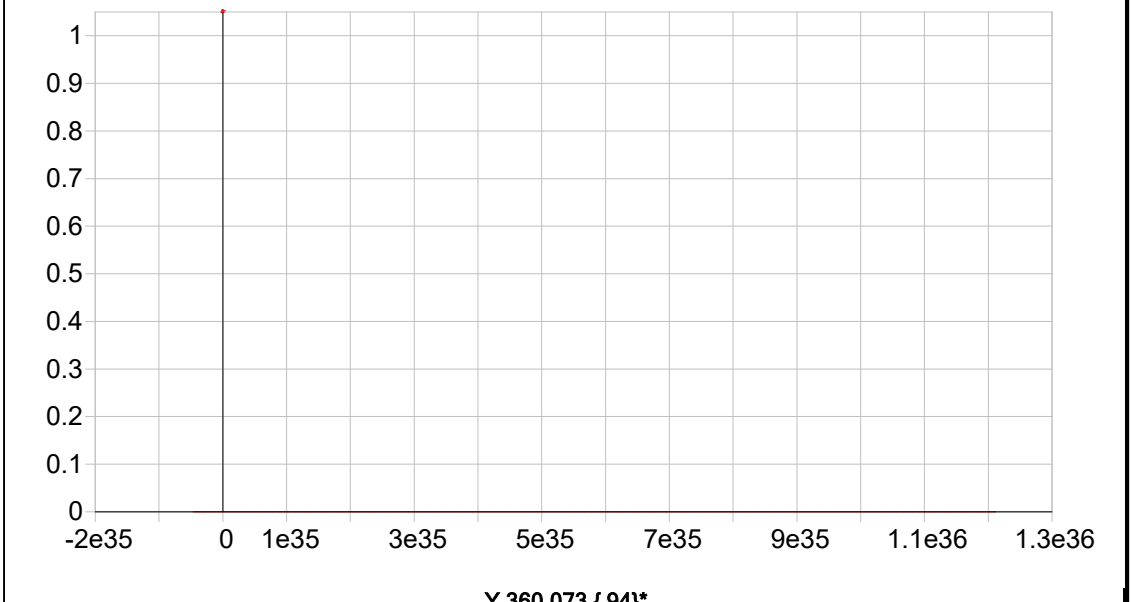


Y 224.306 {450}*

Date of Fit:	8/25/2024 18:47:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	0.000000		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



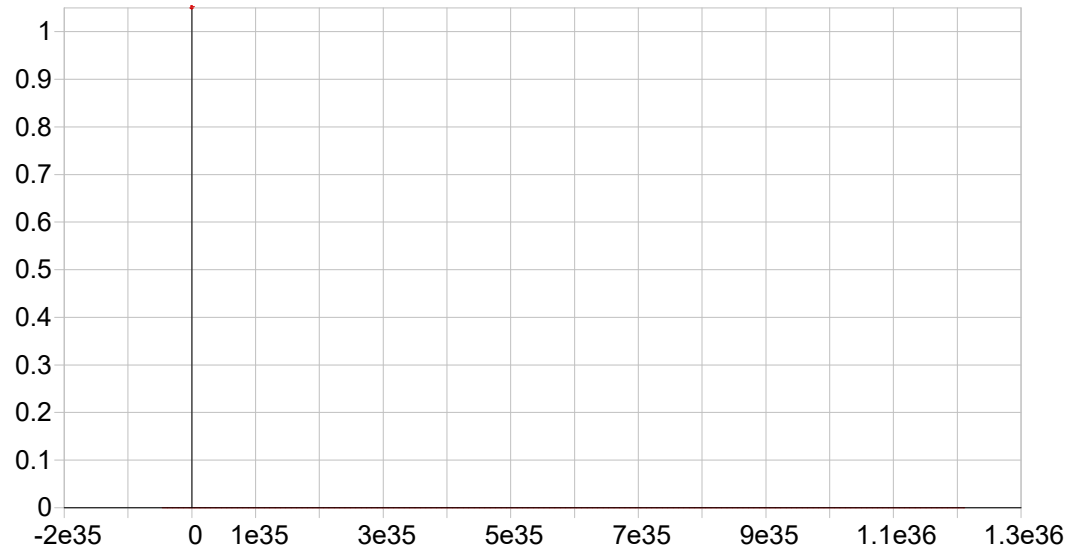
Y 360.073 { 94}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000

A2 (Curvature):	0.000000					
n (Exponent):	1.000000					
Correlation:	0.000000		Status:	Warning	Zero Gain	
Std Error of Est:	0.000000					
Predicted MDL:	n/a					
Predicted MQL:	n/a					

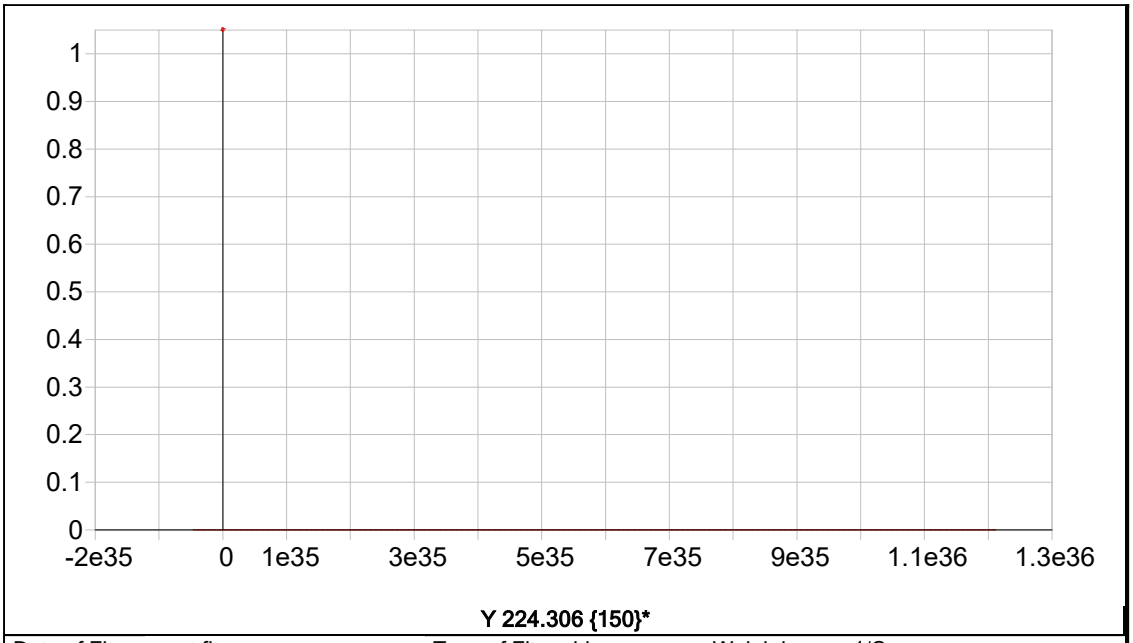
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Y 371.030 { 91}*

Date of Fit:	<not fit>		Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):		0.000000		Re-Slope:	1.000000	
A1 (Gain):		0.000000		Y-int:	0.000000	
A2 (Curvature):		0.000000				
n (Exponent):		1.000000				
Correlation:		0.000000		Status:	Warning	Zero Gain
Std Error of Est:		0.000000				
Predicted MDL:		n/a				
Predicted MQL:		n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

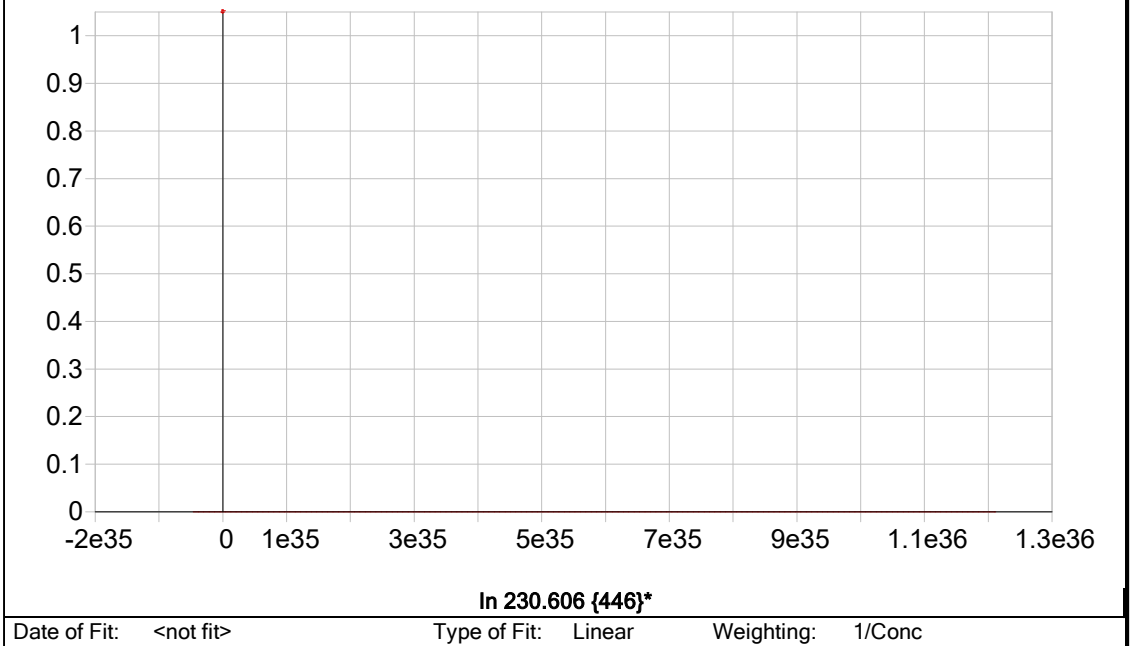


Y 224.306 {150}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	0.000000		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



In 230.606 {446}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000

A2 (Curvature):		0.000000					
n (Exponent):		1.000000					
Correlation:		0.000000		Status:	Warning	Zero Gain	
Std Error of Est:		0.000000					
Predicted MDL:		n/a					
Predicted MQL:		n/a					
Std. Name	**Stated Conc.**	**Found Conc.**	**Difference**	**% Diff.**	**(S)IR**	**Std Dev**	**Emphasis**

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: S0 Acquired: 8/25/2024 18:22:32 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00010	.00050	.00038	.00044	.00047	-.00039	.14208	-.00099
Stddev	.00004	.00008	.00013	.00009	.00037	.00117	.01083	.00134
%RSD	41.264	16.791	34.575	20.685	79.134	300.81	7.6240	135.93
#1	-.00006	.00041	.00031	.00034	.00004	-.00034	.15197	.00002
#2	-.00014	.00052	.00031	.00048	.00071	.00076	.13050	-.00251
#3	-.00011	.00057	.00054	.00051	.00066	-.00158	.14376	-.00047

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00047	.00034	-.00007	-.00037	-.00148	-.00005	-.00062	-.00020
Stddev	.00009	.00171	.00000	.00005	.00044	.00004	.00038	.00009
%RSD	18.621	496.60	2.7516	12.837	30.039	72.296	61.143	43.750
#1	.00055	.00088	-.00007	-.00041	-.00117	-.00001	-.00028	-.00027
#2	.00037	.00172	-.00007	-.00032	-.00198	-.00007	-.00103	-.00010
#3	.00050	-.00157	-.00007	-.00036	-.00127	-.00007	-.00055	-.00022

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00038	-.00143	.00286	.00029	.00312	-.00182	.01889	.00028
Stddev	.00031	.00014	.00019	.00009	.00125	.00016	.00044	.00017
%RSD	79.961	10.093	6.5108	29.199	40.148	8.6667	2.3460	62.212
#1	.00070	-.00154	.00284	.00019	.00189	-.00195	.01939	.00047
#2	.00009	-.00127	.00268	.00034	.00308	-.00165	.01855	.00016
#3	.00036	-.00150	.00306	.00034	.00440	-.00187	.01872	.00020

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00075	.00478	.00010	-.00278	.00061	.01590	.00267
Stddev	.00004	.00047	.00007	.00004	.00012	.00217	.00221
%RSD	5.8016	9.7498	67.785	1.5481	19.081	13.636	82.850
#1	.00075	.00454	.00008	-.00281	.00061	.01747	.00515
#2	.00071	.00449	.00004	-.00273	.00073	.01343	.00199
#3	.00079	.00532	.00017	-.00280	.00050	.01681	.00088

Sample Name: S0 Acquired: 8/25/2024 18:22:32 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4025.7	61889.	5069.6	3414.3	6071.4
Stddev	9.0	695.	59.4	35.3	11.9
%RSD	.22245	1.1227	1.1725	1.0332	.19653
#1	4015.6	62689.	5001.4	3454.6	6057.7
#2	4029.1	61437.	5097.0	3389.0	6077.0
#3	4032.5	61542.	5110.4	3399.2	6079.6

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: S1 Acquired: 8/25/2024 18:26:53 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00114	.00347	.00346	.00200	.00725	.00698	.36112	.08105
Stddev	.00005	.00007	.00015	.00013	.00012	.00088	.00122	.00046
%RSD	4.1718	1.9275	4.2119	6.5471	1.6118	12.663	.33687	.56701
#1	.00116	.00339	.00354	.00215	.00712	.00740	.36005	.08146
#2	.00109	.00351	.00329	.00195	.00732	.00596	.36086	.08113
#3	.00118	.00351	.00354	.00190	.00732	.00757	.36244	.08056

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.01722	.14748	.00160	.02446	.01476	.00033	.01994	.05167
Stddev	.00018	.00104	.00008	.00028	.00023	.00003	.00025	.00052
%RSD	1.0615	.70293	5.3030	1.1289	1.5840	8.3922	1.2359	1.0026
#1	.01710	.14688	.00156	.02477	.01490	.00033	.02019	.05194
#2	.01743	.14868	.00169	.02425	.01489	.00031	.01970	.05107
#3	.01714	.14688	.00153	.02434	.01449	.00036	.01993	.05200

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.03501	.00278	.02455	.00420	.09932	.00625	.10757	.12307
Stddev	.00042	.00019	.00028	.00066	.00130	.00008	.00088	.00045
%RSD	1.1892	6.8910	1.1581	15.721	1.3070	1.2881	.81504	.36608
#1	.03526	.00259	.02426	.00344	.09982	.00630	.10846	.12258
#2	.03524	.00277	.02483	.00465	.10028	.00630	.10671	.12347
#3	.03453	.00297	.02457	.00449	.09784	.00616	.10754	.12317

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00591	.02122	.00125	-.00202	.01378	.01503	.26029
Stddev	.00015	.00018	.00002	.00006	.00006	.00388	.00025
%RSD	2.6032	.85388	1.2583	3.0937	.43063	25.794	.09463
#1	.00603	.02136	.00126	-.00209	.01371	.01058	.26056
#2	.00598	.02102	.00125	-.00200	.01379	.01771	.26008
#3	.00574	.02129	.00123	-.00197	.01383	.01679	.26022

Sample Name: S1 Acquired: 8/25/2024 18:26:53 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4075.9	59948.	5009.1	3330.3	6119.9
Stddev	3.3	85.	15.3	18.8	17.7
%RSD	.08018	.14251	.30476	.56308	.28845
#1	4074.4	60041.	4991.9	3311.9	6105.9
#2	4073.6	59872.	5021.0	3329.4	6114.1
#3	4079.6	59932.	5014.4	3349.4	6139.7

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: S2 Acquired: 8/25/2024 18:31:10 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.04125	.06183	.17594	.06430	.11094	.10219	3.5174	.51937
Stddev	.00026	.00064	.00151	.00040	.00092	.00160	.0062	.00245
%RSD	.64155	1.0282	.86025	.62618	.83273	1.5658	.17754	.47246
#1	.04104	.06141	.17493	.06393	.11056	.10054	3.5224	.51772
#2	.04116	.06152	.17520	.06425	.11027	.10230	3.5193	.51821
#3	.04154	.06257	.17768	.06473	.11200	.10373	3.5104	.52219

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.0118	.28634	.02672	.32045	.14510	.00318	.39407	.09356
Stddev	.0072	.00246	.00010	.00229	.00104	.00004	.00048	.00102
%RSD	.70781	.85809	.37624	.71356	.71965	1.2271	.12246	1.0916
#1	1.0064	.28548	.02663	.31919	.14435	.00322	.39430	.09421
#2	1.0091	.28911	.02670	.31906	.14465	.00315	.39439	.09408
#3	1.0200	.28442	.02683	.32308	.14629	.00317	.39351	.09238

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.33744	.06745	.04690	.04034	.93953	.01484	.81065	.48679
Stddev	.00280	.00014	.00046	.00039	.00196	.00022	.00087	.00313
%RSD	.82864	.20996	.97763	.97263	.20836	1.4542	.10700	.64243
#1	.33584	.06741	.04721	.04000	.93956	.01459	.81014	.48431
#2	.33580	.06733	.04712	.04025	.94148	.01495	.81017	.48576
#3	.34066	.06760	.04637	.04076	.93756	.01499	.81166	.49030

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.10738	.35263	.00323	.02682	.02512	.41415	10.111
Stddev	.00072	.00051	.00004	.00034	.00024	.00202	.035
%RSD	.67083	.14499	1.3431	1.2688	.95117	.48798	.34325
#1	.10682	.35302	.00328	.02671	.02506	.41223	10.143
#2	.10714	.35205	.00319	.02654	.02492	.41397	10.117
#3	.10819	.35282	.00323	.02720	.02539	.41626	10.074

Sample Name: S2 Acquired: 8/25/2024 18:31:10 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4220.9	58789.	5107.1	3299.7	6318.3
Stddev	22.6	124.	29.4	13.6	34.6
%RSD	.53560	.21083	.57543	.41298	.54747
#1	4237.0	58736.	5137.5	3303.1	6342.7
#2	4230.6	58701.	5104.9	3284.7	6333.5
#3	4195.0	58931.	5078.9	3311.3	6278.7

Sample Name: S3 Acquired: 8/25/2024 18:35:20 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.13990	.20224	.57771	.21815	.36609	.32849	10.821	1.7458
Stddev	.00045	.00110	.00071	.00064	.00098	.00223	.055	.0153
%RSD	.31970	.54479	.12251	.29446	.26751	.67851	.50640	.87561
#1	.14034	.20346	.57826	.21882	.36701	.32998	10.883	1.7605
#2	.13991	.20193	.57796	.21753	.36620	.32592	10.779	1.7471
#3	.13944	.20133	.57691	.21811	.36506	.32956	10.801	1.7300

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.4000	.91118	.08278	1.0666	.47422	.00905	1.2439	.29463
Stddev	.0068	.00891	.00076	.0031	.00139	.00003	.0086	.00030
%RSD	.20086	.97832	.92139	.29064	.29322	.30804	.68746	.10188
#1	3.4074	.92079	.08312	1.0698	.47582	.00908	1.2537	.29494
#2	3.3988	.90319	.08331	1.0663	.47333	.00905	1.2386	.29435
#3	3.3939	.90956	.08190	1.0636	.47352	.00902	1.2392	.29461

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.1128	.20759	.13228	.12518	2.8861	.04696	2.7310	1.5530
Stddev	.0016	.00097	.00035	.00098	.0238	.00015	.0196	.0026
%RSD	.14109	.46902	.26570	.78642	.82432	.32207	.71615	.16646
#1	1.1146	.20849	.13193	.12532	2.8982	.04711	2.7499	1.5558
#2	1.1119	.20773	.13230	.12414	2.9014	.04681	2.7321	1.5525
#3	1.1118	.20655	.13263	.12609	2.8587	.04695	2.7109	1.5507

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.35602	1.1219	.00913	.10231	.08906	1.3472	32.005
Stddev	.00073	.0092	.00008	.00029	.00036	.0059	.168
%RSD	.20588	.81818	.85216	.28194	.40792	.43636	.52593
#1	.35686	1.1320	.00906	.10249	.08947	1.3462	32.188
#2	.35569	1.1141	.00911	.10198	.08892	1.3419	31.856
#3	.35551	1.1196	.00921	.10246	.08878	1.3535	31.970

Sample Name: S3 Acquired: 8/25/2024 18:35:20 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3877.5	61038.	4764.0	3354.3	5602.3
Stddev	8.8	131.	27.1	8.1	8.5
%RSD	.22705	.21416	.56960	.24214	.15100
#1	3884.4	60892.	4732.7	3345.3	5606.4
#2	3867.6	61145.	4780.7	3356.5	5592.6
#3	3880.7	61075.	4778.7	3361.1	5608.0

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: S4 Acquired: 8/25/2024 18:39:25 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.26334	.39041	1.1071	.40605	.69255	.63857	21.593	3.2277
Stddev	.00120	.00288	.0070	.00281	.00455	.00616	.196	.0359
%RSD	.45644	.73759	.63252	.69128	.65693	.96433	.90681	1.1122
#1	.26448	.39278	1.1135	.40852	.69602	.64386	21.760	3.2419
#2	.26347	.39125	1.1081	.40662	.69423	.64003	21.643	3.2544
#3	.26208	.38721	1.0996	.40300	.68740	.63181	21.378	3.1869

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.5360	1.7859	.16256	2.0524	.89116	.01930	2.4379	.57929
Stddev	.0362	.0125	.00029	.0151	.00499	.00006	.0220	.00472
%RSD	.55453	.69775	.17873	.73767	.56022	.33115	.90069	.81466
#1	6.5698	1.7944	.16235	2.0675	.89584	.01933	2.4561	.58267
#2	6.5404	1.7918	.16243	2.0525	.89174	.01922	2.4440	.58129
#3	6.4978	1.7716	.16289	2.0372	.88591	.01933	2.4135	.57390

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.1264	.40967	.27681	.24989	5.6937	.10109	5.0512	3.0090
Stddev	.0118	.00073	.00198	.00315	.0117	.00039	.0599	.0190
%RSD	.55721	.17789	.71610	1.2622	.20483	.38759	1.1867	.63173
#1	2.1369	.40935	.27738	.25263	5.7034	.10106	5.0773	3.0275
#2	2.1286	.40915	.27461	.25061	5.6970	.10071	5.0937	3.0101
#3	2.1136	.41050	.27845	.24644	5.6807	.10149	4.9827	2.9895

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.68121	2.2050	.01950	.19496	.16644	2.6037	62.257
Stddev	.00432	.0196	.00013	.00121	.00135	.0214	.819
%RSD	.63397	.89032	.68006	.62116	.81325	.81986	1.3157
#1	.68526	2.2201	.01944	.19594	.16778	2.6266	62.023
#2	.68170	2.2120	.01940	.19533	.16648	2.6000	63.168
#3	.67667	2.1828	.01965	.19360	.16507	2.5844	61.580

Sample Name: S4 Acquired: 8/25/2024 18:39:25 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4057.3	59502.	4994.9	3271.3	5812.9
Stddev	21.7	215.	68.0	19.1	32.9
%RSD	.53472	.36060	1.3605	.58350	.56597
#1	4034.3	59288.	4944.8	3250.0	5778.4
#2	4060.3	59717.	4967.6	3286.9	5816.1
#3	4077.4	59501.	5072.2	3277.0	5844.0

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: S5 Acquired: 8/25/2024 18:43:36 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.53944	.77389	2.3028	.82375	1.4170	1.3007	43.483	6.7732
Stddev	.00129	.00889	.0038	.00341	.0038	.0045	.275	.0521
%RSD	.23904	1.1485	.16363	.41443	.27016	.34236	.63351	.76904
#1	.53981	.77838	2.3037	.82450	1.4185	1.2956	43.175	6.7385
#2	.53800	.76366	2.2986	.82002	1.4126	1.3022	43.707	6.8331
#3	.54050	.77964	2.3060	.82673	1.4198	1.3041	43.566	6.7481

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	13.479	3.6215	.32953	4.2580	1.8055	.03903	4.9421	1.1761
Stddev	.016	.0091	.00251	.0049	.0032	.00015	.0171	.0025
%RSD	.12208	.25208	.76149	.11434	.17952	.39011	.34589	.21000
#1	13.487	3.6115	.33120	4.2589	1.8071	.03910	4.9237	1.1735
#2	13.460	3.6236	.33075	4.2527	1.8018	.03886	4.9450	1.1765
#3	13.490	3.6294	.32664	4.2624	1.8077	.03914	4.9575	1.1784

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.3965	.84089	.56907	.51044	11.796	.21131	10.589	6.1490
Stddev	.0075	.00319	.00298	.00161	.069	.00068	.069	.0176
%RSD	.17124	.37919	.52343	.31464	.58635	.32191	.64912	.28542
#1	4.3995	.84340	.57164	.50971	11.822	.21165	10.547	6.1615
#2	4.3879	.84196	.56580	.50932	11.849	.21053	10.669	6.1289
#3	4.4020	.83730	.56975	.51228	11.718	.21175	10.553	6.1564

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.3993	4.4983	.04042	.41004	.34826	5.4440	128.78
Stddev	.0030	.0120	.00025	.00042	.00132	.0207	1.88
%RSD	.21663	.26674	.63080	.10272	.37901	.38009	1.4618
#1	1.4007	4.4844	.04032	.41043	.34793	5.4246	128.82
#2	1.3959	4.5053	.04023	.40960	.34714	5.4418	130.65
#3	1.4014	4.5051	.04071	.41010	.34972	5.4658	126.88

Sample Name: S5 Acquired: 8/25/2024 18:43:36 Type: Cal
Method: NON EPA-6010-200.7(v2379) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4009.8	57670.	4793.5	3137.7	5652.1
Stddev	22.1	270.	32.0	12.5	28.8
%RSD	.55129	.46742	.66731	.39687	.50929
#1	3984.3	57456.	4809.5	3132.2	5619.2
#2	4021.4	57580.	4756.7	3129.0	5664.7
#3	4023.6	57973.	4814.3	3152.0	5672.5

Sample Name: ICV01 Acquired: 8/25/2024 18:47:56 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.041922	1.064851	1.026791	1.049514	1.043241	2.566532
Stddev	.003892	.003402	.005423	.004443	.007857	.032866
%RSD	.3735477	.3194895	.5281367	.4233220	.7531163	1.280574
#1	1.037768	1.067001	1.023750	1.044496	1.037943	2.552963
#2	1.042515	1.066623	1.023570	1.051100	1.039512	2.604010
#3	1.045484	1.060929	1.033052	1.052946	1.052268	2.542622

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5235633	.5250453	.5100398	10.55848	.5369342	.5173892
Stddev	.0031995	.0050502	.0030357	.03654	.0015875	.0023621
%RSD	.6111021	.9618543	.5951838	.3461192	.2956534	.4565461
#1	.5262812	.5219911	.5072352	10.53322	.5378577	.5154116
#2	.5243716	.5308745	.5096212	10.60038	.5378437	.5167511
#3	.5200372	.5222704	.5132631	10.54183	.5351011	.5200048

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5372561	10.57532	.5315127	6.148515	.5212179	.2682780
Stddev	.0043390	.06154	.0014439	.047960	.0031683	.0015926
%RSD	.8076199	.5818929	.2716667	.7800314	.6078620	.5936398
#1	.5331712	10.64497	.5318469	6.192788	.5178763	.2696121
#2	.5367860	10.52829	.5327602	6.155189	.5215991	.2687071
#3	.5418109	10.55271	.5299309	6.097567	.5241784	.2665148

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.885479	.5111279	1.047362	10.19948	F .0118827	F .0001780
Stddev	.041607	.0094010	.002819	.08316	.0005152	.0002218
%RSD	.4208883	1.839262	.2691914	.8153643	4.335281	124.5747
#1	9.921623	.5162091	1.046800	10.28995	.0124774	.0004227
#2	9.839996	.5168948	1.050420	10.12636	.0115728	-.000010
#3	9.894816	.5002798	1.044866	10.18215	.0115980	.000121

Sample Name: ICV01 Acquired: 8/25/2024 18:47:56 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.004496	F -.001826	F -.008407	F .0027753	F -.006327	F -.004697
Stddev	.000675	.001780	.004855	.0011852	.001464	.006707
%RSD	15.02075	97.49761	57.74706	42.70556	23.13595	142.7774
#1	-.003717	-.001000	-.012138	.0041022	-.005548	-.000525
#2	-.004855	-.000609	-.002918	.0018216	-.005417	-.012434
#3	-.004917	-.003869	-.010163	.0024021	-.008015	-.001133

Elem	Sr4077
Units	ppm
Avg	F -.008798
Stddev	.000722
%RSD	8.208277
#1	-.007964
#2	-.009198
#3	-.009231

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4339.965	61682.40	5247.015	3404.616	6462.954
Stddev	17.076	325.78	51.105	16.197	23.949
%RSD	.3934695	.5281611	.9739789	.4757449	.3705652
#1	4358.820	61639.60	5272.252	3408.315	6489.909
#2	4335.532	61380.14	5188.201	3386.889	6454.832
#3	4325.542	62027.47	5280.592	3418.644	6444.123

Sample Name: LLICV01 Acquired: 8/25/2024 19:17:44 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0174522	.0337515	.0119193	.0171980	.0433042	.1197842
Stddev	.0008815	.0001927	.0007266	.0015093	.0013288	.0090182
%RSD	5.050888	.5710278	6.095661	8.775877	3.068636	7.528706
#1	.0181509	.0336490	.0127231	.0179391	.0444436	.1300386
#2	.0177440	.0339739	.0113093	.0181935	.0418444	.1162262
#3	.0164619	.0336318	.0117255	.0154614	.0436246	.1130877

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0909360	.0056990	.0054306	1.830677	.0086123	.0267101
Stddev	.0008622	.0000451	.0000143	.011732	.0002110	.0000823
%RSD	.9481128	.7914669	.2631472	.6408804	2.450088	.3081200
#1	.0919297	.0056471	.0054223	1.843407	.0088520	.0267119
#2	.0903870	.0057283	.0054471	1.820298	.0085303	.0266269
#3	.0904911	.0057216	.0054223	1.828327	.0084545	.0267915

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0202152	.0949840	.0188485	1.954913	.0343051	.0113388
Stddev	.0004039	.0088093	.0004962	.013843	.0002340	.0003298
%RSD	1.998049	9.274508	2.632342	.7081072	.6820565	2.908324
#1	.0197488	.0911143	.0186639	1.969083	.0340657	.0109614
#2	.0204493	.1050658	.0194105	1.954234	.0345333	.0114838
#3	.0204474	.0887719	.0184712	1.941422	.0343164	.0115712

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.723828	.0342558	.0392915	1.711547	F .0729391	.1792193
Stddev	.008003	.0003186	.0003047	.088363	.0017723	.0016039
%RSD	.4642370	.9301116	.7753468	5.162758	2.429884	.8949479
#1	1.721486	.0340642	.0395246	1.729783	.0728067	.1775741
#2	1.717257	.0340796	.0389468	1.789368	.0712366	.1793053
#3	1.732740	.0346236	.0394032	1.615488	.0747739	.1807785

Sample Name: LLICV01 Acquired: 8/25/2024 19:17:44 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0328706	.0340793	F .2540012	F .0157611	F .3185670	F -.003199
Stddev	.0008938	.0027055	.0125185	.0002735	.0036294	.001152
%RSD	2.719172	7.938882	4.928500	1.735099	1.139291	36.01336
#1	.0325970	.0371495	.2666913	.0156179	.3145755	-.004272
#2	.0321456	.0320437	.2416618	.0155891	.3194566	-.003345
#3	.0338692	.0330449	.2536505	.0160765	.3216689	-.001981

Elem	Sr4077
Units	ppm
Avg	.0179006
Stddev	.0001135
%RSD	.6341434
#1	.0178559
#2	.0178163
#3	.0180297

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4321.143	59797.99	5057.087	3323.242	6573.553
Stddev	21.169	252.98	48.794	15.157	34.317
%RSD	.4898854	.4230528	.9648644	.4560996	.5220453
#1	4344.866	59513.70	5075.910	3315.056	6612.375
#2	4314.384	59998.31	5093.666	3340.732	6561.019
#3	4304.180	59881.94	5001.685	3313.937	6547.265

Sample Name: ICB01 Acquired: 8/25/2024 19:22:01 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025074	.0001110	-.000956	-.000052	-.002135	.0038040	-.000927
Stddev	.0004364	.0009561	.001361	.001664	.001820	.0172888	.000876
%RSD	17.40626	861.4177	142.2876	3219.416	85.25645	454.4855	94.53190
#1	.0021043	-.000073	-.002050	.000644	-.000460	.0218149	.000022
#2	.0029709	.001146	.000568	.001152	-.001872	.0022556	-.001704
#3	.0024469	-.000739	-.001387	-.001951	-.004072	-.012658	-.001099

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000812	-.000142	-.000944	-.000366	.0000049	-.000487	.0081872
Stddev	.0000176	.000059	.027192	.000365	.0000509	.000372	.0091681
%RSD	21.70118	41.35569	2880.436	99.63808	1031.767	76.33534	111.9822
#1	.0000724	-.000166	-.030480	-.000634	-.000044	-.000489	.0021458
#2	.0000697	-.000075	.004599	-.000515	.000001	-.000114	.0036791
#3	.0001015	-.000185	.023049	.000049	.000058	-.000857	.0187365

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000294	-.006746	-.000312	.0006190	-.071205	-.000142	-.000531
Stddev	.000759	.010713	.000208	.0002937	.020639	.004282	.000371
%RSD	258.3510	158.8103	66.58180	47.44114	28.98472	3014.424	69.78588
#1	.000454	.001986	-.000546	.0003966	-.049498	-.004204	-.000951
#2	-.001064	-.003523	-.000240	.0005085	-.073541	.004331	-.000391
#3	-.000271	-.018701	-.000150	.0009518	-.090577	-.000554	-.000251

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0063557	-.012178	-.000135	-.004151	-.002116	.0045777	-.002583
Stddev	.0432028	.001170	.000131	.000618	.000974	.0117285	.001720
%RSD	679.7454	9.609574	96.64351	14.88465	46.04586	256.2090	66.56164
#1	-.028541	-.013498	-.000173	-.004477	-.002074	.0138143	-.001272
#2	.054677	-.011265	-.000243	-.004538	-.003111	-.008618	-.001949
#3	-.007069	-.011772	.000010	-.003439	-.001163	.008537	-.004530

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: ICB01 Acquired: 8/25/2024 19:22:01 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001485	-.003288	-.000329
Stddev	.002763	.009290	.000115
%RSD	186.0855	282.5351	34.95227
#1	-.001581	-.009388	-.000387
#2	-.004199	.007404	-.000403
#3	.001325	-.007880	-.000196

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4047.651	62692.82	5201.153	3424.505	6054.606
Stddev	22.262	143.73	31.294	10.973	33.153
%RSD	.5500065	.2292573	.6016708	.3204266	.5475689
#1	4049.374	62784.07	5237.001	3417.674	6057.346
#2	4069.001	62767.26	5187.164	3437.163	6086.305
#3	4024.577	62527.14	5179.294	3418.679	6020.169

Sample Name: CRI01 Acquired: 8/25/2024 19:26:22 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0234161	.0404604	.0137187	.0179261	.0485742	.1240676
Stddev	.0016064	.0004267	.0006997	.0005953	.0020148	.0021653
%RSD	6.860024	1.054732	5.100241	3.320701	4.147795	1.745216
#1	.0220538	.0409174	.0138240	.0172415	.0466574	.1261288
#2	.0230070	.0403917	.0143598	.0183219	.0483908	.1218115
#3	.0251874	.0400722	.0129724	.0182148	.0506744	.1242626

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1033493	.0065273	.0061619	2.041279	.0094397	.0302940
Stddev	.0003874	.0000408	.0000266	.043636	.0000699	.0003484
%RSD	.3748619	.6244384	.4318057	2.137675	.7409088	1.150158
#1	.1037963	.0065499	.0061791	2.058738	.0093786	.0299961
#2	.1031412	.0064802	.0061754	1.991617	.0094245	.0306772
#3	.1031103	.0065518	.0061313	2.073482	.0095160	.0302088

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0220704	.0981097	.0206153	2.176792	.0393769	.0124577
Stddev	.0003747	.0049361	.0003972	.021428	.0002201	.0002566
%RSD	1.697751	5.031225	1.926981	.9843650	.5588822	2.060170
#1	.0218556	.1037871	.0202236	2.201145	.0391662	.0126210
#2	.0225031	.0948340	.0210179	2.160826	.0393591	.0125903
#3	.0218526	.0957080	.0206044	2.168407	.0396053	.0121619

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.802218	.0427421	.0413069	1.861282	.0853172	.1972398
Stddev	.037796	.0032727	.0006647	.067974	.0005961	.0015726
%RSD	2.097173	7.656871	1.609255	3.652015	.6986598	.7973045
#1	1.839704	.0389637	.0417870	1.927524	.0856624	.1958517
#2	1.802831	.0446922	.0415855	1.791699	.0846289	.1969200
#3	1.764120	.0445703	.0405482	1.864623	.0856603	.1989477

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: CRI01 Acquired: 8/25/2024 19:26:22 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0378952	.0383792	F .2735813	.0163779	F .3792093	F -.006624
Stddev	.0008734	.0017215	.0046220	.0013192	.0061183	.001801
%RSD	2.304743	4.485526	1.689431	8.054552	1.613444	27.18071
#1	.0376791	.0368156	.2789105	.0156614	.3738083	-.008678
#2	.0371501	.0402240	.2706671	.0155721	.3858539	-.005878
#3	.0388563	.0380980	.2711663	.0179003	.3779658	-.005317

Elem	Sr4077
Units	ppm
Avg	.0199197
Stddev	.0001731
%RSD	.8692113
#1	.0201017
#2	.0197570
#3	.0199004

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4136.432	62146.98	4928.948	3411.843	6167.654
Stddev	15.135	350.14	38.074	15.154	28.581
%RSD	.3658995	.5634040	.7724512	.4441622	.4634025
#1	4153.908	61823.84	4953.057	3396.412	6199.087
#2	4127.786	62098.10	4948.731	3412.413	6143.229
#3	4127.601	62518.98	4885.055	3426.704	6160.645

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: ICSA01 Acquired: 8/25/2024 19:36:13 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0111923	.0072785	-.005446	-.008287	-.002365	229.4810
Stddev	.0028931	.0018872	.000351	.002477	.001955	.7674
%RSD	25.84921	25.92796	6.439442	29.88839	82.66957	.3344201
#1	.0132733	.0072831	-.005311	-.005508	-.004601	228.7708
#2	.0078885	.0091634	-.005845	-.010262	-.001515	229.3771
#3	.0124150	.0053891	-.005183	-.009090	-.000978	230.2951

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0097915	.0024451	-.002939	225.8900	.0512442	.0002191
Stddev	.0008721	.0000711	.000159	.4247	.0004416	.0001914
%RSD	8.906565	2.906233	5.416986	.1879963	.8616975	87.36983
#1	.0088419	.0023770	-.003034	225.3998	.0508055	.0000027
#2	.0105564	.0024394	-.003027	226.1460	.0516886	.0003661
#3	.0099763	.0025188	-.002755	226.1242	.0512384	.0002884

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.008526	97.61280	.0146934	231.0195	.0032392	.0032181
Stddev	.000161	.34274	.0001148	.9861	.0001574	.0003031
%RSD	1.889760	.3511200	.7815448	.4268342	4.858063	9.416950
#1	-.008394	97.47277	.0145654	230.3321	.0034204	.0032045
#2	-.008706	98.00338	.0147875	230.5771	.0031600	.0035277
#3	-.008479	97.36225	.0147272	232.1493	.0031372	.0029220

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0386217	.0042264	.0002223	-.093551	-.040850	.0007602
Stddev	.0065433	.0058629	.0003534	.058189	.001434	.0005338
%RSD	16.94196	138.7205	158.9964	62.20070	3.511324	70.21859
#1	.0424666	.0091866	-.000178	-.150192	-.040661	.0007686
#2	.0310666	.0057364	.000354	-.096533	-.039519	.0002223
#3	.0423320	-.002244	.000491	-.033928	-.042369	.0012898

Sample Name: ICSA01 Acquired: 8/25/2024 19:36:13 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005855	-.001282	.0210465	-.000920	-.018409	F .0212656
Stddev	.001036	.001818	.0236298	.002513	.000112	.0048632
%RSD	17.68477	141.8492	112.2743	273.1928	.6104818	22.86883
#1	-.004766	-.003342	.0458244	-.003342	-.018434	.0226441
#2	-.006827	.000094	-.001237	-.001093	-.018286	.0252907
#3	-.005974	-.000597	.018552	.001676	-.018507	.0158620

Elem	Sr4077
Units	ppm
Avg	-.005745
Stddev	.000481
%RSD	8.378075
#1	-.005639
#2	-.006270
#3	-.005325

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3899.336	55050.06	4988.666	3073.646	5504.235
Stddev	5.695	178.00	6.165	9.257	9.549
%RSD	.1460487	.3233378	.1235736	.3011638	.1734776
#1	3905.680	54963.92	4984.636	3073.056	5514.748
#2	3897.662	54931.51	4995.763	3064.698	5501.856
#3	3894.665	55254.74	4985.599	3083.184	5496.101

Sample Name: ICSAB01 Acquired: 8/25/2024 19:40:32 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1137783	.1113060	.0439517	.0445392	.6353259	264.2940
Stddev	.0027564	.0032695	.0014335	.0012153	.0057891	.9311
%RSD	2.422575	2.937369	3.261598	2.728622	.9111955	.3522791
#1	.1168727	.1098702	.0443825	.0458307	.6359104	265.3522
#2	.1115862	.1150477	.0423521	.0443687	.6292668	263.6008
#3	.1128758	.1090001	.0451204	.0434181	.6408006	263.9289

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5181044	.5316166	1.022711	257.8698	.5842195	.5241133
Stddev	.0039364	.0045569	.009987	.9257	.0045570	.0042835
%RSD	.7597722	.8571758	.9765103	.3589887	.7800216	.8172751
#1	.5182862	.5316834	1.013786	257.5886	.5792560	.5203799
#2	.5140802	.5270267	1.020850	257.1173	.5851883	.5231703
#3	.5219467	.5361397	1.033498	258.9036	.5882143	.5287897

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4920482	112.8318	.5185606	265.2631	1.027709	.2309704
Stddev	.0038360	.4492	.0034718	1.1291	.008863	.0013123
%RSD	.7795898	.3981394	.6695056	.4256415	.8623930	.5681867
#1	.4894608	112.5628	.5156911	266.4437	1.020357	.2295457
#2	.4902284	113.3504	.5175709	264.1938	1.025220	.2312356
#3	.4964554	112.5822	.5224198	265.1520	1.037551	.2321298

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0649009	.5008647	1.091188	-.129333	F -.042226	F .0002381
Stddev	.0098078	.0066610	.006981	.046484	.001794	.0001876
%RSD	15.11198	1.329905	.6398059	35.94155	4.248034	78.75893
#1	.0570151	.4932539	1.083333	-.182662	-.042905	.0002606
#2	.0618043	.5037078	1.093541	-.097392	-.040191	.0004134
#3	.0758832	.5056325	1.096688	-.107947	-.043580	.0000404

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: ICSAB01 Acquired: 8/25/2024 19:40:32 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.006377	F -.002551	F .0052694	F .0038807	F -.024222	F .0236003
Stddev	.001149	.000935	.0149538	.0017613	.002321	.0018274
%RSD	18.01502	36.66170	283.7860	45.38436	9.583584	7.743199
#1	-.005261	-.002684	.0088871	.0053565	-.025189	.0241544
#2	-.007556	-.003411	-.011161	.0019310	-.021573	.0250865
#3	-.006316	-.001556	.018082	.0043547	-.025902	.0215600

Elem	Sr4077
Units	ppm
Avg	F -.007588
Stddev	.000902
%RSD	11.89430
#1	-.006687
#2	-.008492
#3	-.007583

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3915.926	53283.64	4881.765	2978.662	5521.557
Stddev	10.103	242.16	33.849	15.029	16.442
%RSD	.2579867	.4544684	.6933757	.5045425	.2977749
#1	3906.009	53556.90	4883.466	2996.015	5504.440
#2	3915.565	53198.39	4914.731	2969.915	5523.003
#3	3926.205	53095.64	4847.097	2970.055	5537.228

Sample Name: CCV01 Acquired: 8/25/2024 19:44:47 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.915659	5.040152	4.911758	4.937120	4.921589	9.786028	9.789195
Stddev	.018646	.056291	.016726	.027283	.025802	.116033	.099891
%RSD	.3793114	1.116854	.3405266	.5526017	.5242594	1.185703	1.020424
#1	4.894400	5.001568	4.893451	4.907858	4.892178	9.672792	9.718513
#2	4.923341	5.014143	4.915582	4.941645	4.932171	9.780623	9.745598
#3	4.929237	5.104745	4.926240	4.961857	4.940417	9.904670	9.903475

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2542789	2.462189	24.76876	1.001178	2.498209	1.235169	4.988594
Stddev	.0037951	.007872	.24988	.008957	.007607	.004997	.065479
%RSD	1.492491	.3197315	1.008863	.8946272	.3044944	.4045876	1.312575
#1	.2512213	2.453165	24.54654	1.004837	2.489482	1.229617	5.030201
#2	.2530890	2.465753	24.72048	1.007726	2.501708	1.236583	5.022464
#3	.2585263	2.467650	25.03926	.990971	2.503437	1.239307	4.913118

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.454534	24.36959	2.456551	1.259892	24.59132	2.434853	2.531811
Stddev	.023825	.29237	.007424	.008546	.35431	.017587	.020732
%RSD	.9706573	1.199727	.3022145	.6782852	1.440810	.7222961	.8188464
#1	2.434428	24.14571	2.448443	1.266691	24.88114	2.421727	2.546463
#2	2.448325	24.26269	2.458193	1.262687	24.69650	2.427996	2.540879
#3	2.480849	24.70036	2.463016	1.250299	24.19633	2.454835	2.508090

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.78325	4.991525	4.978286	4.930856	4.924814	4.888604	4.945279
Stddev	.25447	.075400	.017658	.018322	.045908	.094118	.023141
%RSD	1.026785	1.510566	.3547088	.3715830	.9321784	1.925260	.4679449
#1	24.99992	4.929501	4.958416	4.912476	4.884077	4.991687	4.922497
#2	24.84680	4.969622	4.984260	4.930973	4.915808	4.866874	4.944578
#3	24.50303	5.075452	4.992183	4.949120	4.974558	4.807251	4.968763

Sample Name: CCV01 Acquired: 8/25/2024 19:44:47 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.772294	4.860624	4.936122
Stddev	.019832	.050567	.095479
%RSD	.4155658	1.040335	1.934301
#1	4.762340	4.841061	4.875631
#2	4.759411	4.822762	4.886543
#3	4.795132	4.918050	5.046193

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4114.696	58034.39	4876.341	3177.764	5905.571
Stddev	5.375	418.81	81.556	23.245	5.706
%RSD	.1306377	.7216669	1.672483	.7314812	.0966212
#1	4114.800	57656.74	4942.161	3160.925	5902.525
#2	4109.269	57961.61	4901.758	3168.083	5902.034
#3	4120.018	58484.83	4785.103	3204.285	5912.154

Sample Name: CCB01 Acquired: 8/25/2024 19:48:59 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025264	.0003902	-.001315	-.000306	-.001579	.0256793	.0019605
Stddev	.0014406	.0002379	.001434	.002802	.000539	.0155702	.0017603
%RSD	57.02119	60.97897	109.0991	915.0493	34.14623	60.63333	89.78720
#1	.0009344	.0005313	.000337	-.003523	-.001704	.0294473	.0033743
#2	.0029049	.0001155	-.002251	.001605	-.000988	.0085709	-.000011
#3	.0037400	.0005237	-.002030	.000999	-.002045	.0390198	.002518

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000001	.0000119	-.007648	-.000213	.0002433	-.000117	.0030981
Stddev	.000076	.0000348	.004420	.000292	.0002644	.000222	.0101416
%RSD	6726.699	292.6357	57.79395	137.1807	108.6816	190.1278	327.3460
#1	.000086	.0000274	-.003006	.000024	.0004747	.000110	.0073204
#2	-.000038	.0000363	-.008134	-.000124	.0003001	-.000333	.0104464
#3	-.000051	-.000028	-.011806	-.000540	-.000045	-.000128	-.008472

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000173	.0194525	-.000194	.0001233	-.083114	.0004647	-.000033
Stddev	.000696	.0025802	.000300	.0003072	.029327	.0054457	.000272
%RSD	402.7399	13.26427	154.9755	249.1787	35.28532	1171.912	824.4949
#1	-.000600	.0165028	.000124	.0004720	-.116729	-.001508	.000098
#2	.000630	.0212909	-.000473	-.000107	-.069858	-.003720	-.000345
#3	-.000549	.0205637	-.000232	.000005	-.062756	.006622	.000149

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.119564	-.002030	.0002656	-.003316	-.001574	.0058371	-.001903
Stddev	.043515	.001245	.0003793	.000626	.002519	.0032899	.002076
%RSD	36.39437	61.34664	142.7894	18.87768	159.9701	56.36188	109.1054
#1	-.086449	-.002544	.0004309	-.003265	-.001895	.0041909	-.003002
#2	-.103395	-.000610	.0005342	-.003966	-.003917	.0036953	-.003197
#3	-.168849	-.002936	-.000168	-.002717	.001089	.0096252	.000492

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: CCB01 Acquired: 8/25/2024 19:48:59 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002915	-.004897	-.000104
Stddev	.001786	.005276	.000065
%RSD	61.26291	107.7428	62.35384
#1	-.002776	-.001651	-.000035
#2	-.001203	-.010985	-.000164
#3	-.004767	-.002055	-.000112

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4053.101	61865.11	5063.227	3425.865	6069.380
Stddev	20.316	66.20	25.283	5.324	32.227
%RSD	.5012518	.1070111	.4993453	.1553928	.5309691
#1	4073.158	61941.53	5068.765	3420.606	6098.085
#2	4032.535	61825.32	5035.634	3425.738	6034.520
#3	4053.611	61828.47	5085.282	3431.251	6075.535

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: LR1 Acquired: 8/25/2024 19:53:23 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0712760	.0625225	-.060388	-.076328	.0019035	1900.871
Stddev	.0021740	.0053643	.008011	.002535	.0036020	41.225
%RSD	3.050145	8.579715	13.26530	3.321700	189.2335	2.168728
#1	.0704091	.0584983	-.052184	-.073557	.0036885	1938.113
#2	.0737498	.0604566	-.060790	-.076896	-.002242	1907.927
#3	.0696692	.0686125	-.068190	-.078531	.004265	1856.574

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0272040	.0209755	-.023791	1684.761	-.002494	.0158922
Stddev	.0013043	.0004174	.000211	20.005	.000764	.0000712
%RSD	4.794314	1.989844	.8875812	1.187392	30.64597	.4479770
#1	.0276632	.0212671	-.023647	1707.492	-.002092	.0159726
#2	.0257323	.0211621	-.023694	1676.952	-.002014	.0158369
#3	.0282165	.0204974	-.024034	1669.839	-.003376	.0158672

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.182201	1030.048	.0150252	1690.139	.0383156	.0341381
Stddev	.009842	1.143	.0008126	15.318	.0006380	.0005709
%RSD	5.401551	.1110139	5.408011	.9063156	1.665017	1.672280
#1	-.193387	1028.901	.0158631	1695.203	.0378389	.0347926
#2	-.178346	1030.056	.0142407	1702.283	.0380674	.0338787
#3	-.174871	1031.187	.0149718	1672.930	.0390403	.0337430

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1932.887	.0349275	.0105100	F 1562.379	-.227430	.0002379
Stddev	12.210	.0053933	.0005873	2.376	.013777	.0008571
%RSD	.6317051	15.44140	5.588152	.1520454	6.057521	360.2009
#1	1946.224	.0325317	.0104372	1560.322	-.234009	-.000022
#2	1922.259	.0311471	.0099625	1561.834	-.236684	-.000459
#3	1930.177	.0411036	.0111303	1564.979	-.211598	.001195

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: LR1 Acquired: 8/25/2024 19:53:23 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004506	-.036520	.1699466	.0588765	-.253180	.2370483
Stddev	.001133	.003234	.0170561	.0037937	.012094	.0022922
%RSD	25.14598	8.854589	10.03616	6.443432	4.776958	.9669906
#1	-.005645	-.039619	.1520187	.0568346	-.263175	.2358122
#2	-.003380	-.036775	.1859713	.0565412	-.239736	.2396932
#3	-.004492	-.033166	.1718496	.0632538	-.256631	.2356394

Elem	Sr4077
Units	ppm
Avg	-1.01889
Stddev	.00119
%RSD	.1164038
#1	-1.01766
#2	-1.01897
#3	-1.02003

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2970.827	46495.50	4624.025	2513.034	3812.266
Stddev	27.753	292.41	39.136	14.290	29.075
%RSD	.9341903	.6288957	.8463524	.5686246	.7626686
#1	3002.872	46629.48	4600.538	2515.622	3845.833
#2	2955.108	46696.91	4602.334	2525.853	3796.032
#3	2954.502	46160.11	4669.203	2497.627	3794.933

Sample Name: P3600-04 Acquired: 8/25/2024 20:04:23 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1346764	.0110410	2.984151	-.012262	.0123287	47.27695	1.598308
Stddev	.0037344	.0011473	.021349	.001795	.0014937	.65817	.024371
%RSD	2.772876	10.39097	.7154093	14.63953	12.11555	1.392157	1.524786
#1	.1369839	.0101939	3.002685	-.012579	.0116173	46.61067	1.573874
#2	.1366773	.0123466	2.988960	-.013878	.0113236	47.29350	1.598434
#3	.1303679	.0105825	2.960808	-.010330	.0140451	47.92670	1.622615

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0128415	-.003125	28.70073	.2197884	.1012486	.6750975	267.4511
Stddev	.0002379	.000525	.47175	.0029853	.0013269	.0109275	3.4765
%RSD	1.852517	16.79275	1.643691	1.358249	1.310561	1.618653	1.299882
#1	.0126226	-.002678	28.21825	.2163438	.1023449	.6857534	264.3220
#2	.0130947	-.002994	28.72298	.2216236	.1016274	.6756220	266.8377
#3	.0128073	-.003703	29.16097	.2213979	.0997734	.6639173	271.1935

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.184638	13.67646	.2567468	.0126249	.6697804	.3514234	2.522403
Stddev	.034697	.22344	.0018532	.0002061	.0070434	.0062334	.027454
%RSD	1.588212	1.633740	.7217901	1.632553	1.051599	1.773765	1.088408
#1	2.150135	13.44123	.2582843	.0125619	.6627668	.3442894	2.491864
#2	2.184252	13.70232	.2572669	.0124576	.6697211	.3558181	2.545038
#3	2.219525	13.88585	.2546891	.0128551	.6768532	.3541627	2.530305

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.907270	-.119840	.0644111	1.146394	3.506180	8.621172	5.085760
Stddev	.160998	.005444	.0003552	.006729	.055763	.102114	.041723
%RSD	1.625048	4.542806	.5514418	.5869979	1.590421	1.184457	.8203812
#1	9.824405	-.115181	.0648164	1.150091	3.451708	8.538774	5.109781
#2	9.804582	-.125824	.0642629	1.150465	3.503681	8.589328	5.109915
#3	10.09282	-.118516	.0641541	1.138627	3.563150	8.735413	5.037583

Sample Name: P3600-04 Acquired: 8/25/2024 20:04:23 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	3.364980	.0401663	.0815407
Stddev	.021657	.0021649	.0020597
%RSD	.6435973	5.389783	2.526026
#1	3.377486	.0418836	.0792077
#2	3.377481	.0408809	.0823063
#3	3.339973	.0377345	.0831079

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4607.874	65436.13	5454.460	3638.428	6232.949
Stddev	31.366	427.38	57.768	23.116	41.713
%RSD	.6807085	.6531215	1.059099	.6353264	.6692342
#1	4581.007	65924.87	5520.193	3663.231	6199.614
#2	4600.273	65132.59	5411.769	3617.486	6219.507
#3	4642.343	65250.92	5431.417	3634.568	6279.725

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3580-03 Acquired: 8/25/2024 20:08:33 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0936619	.0010689	.2372917	-.002265	-.001861	36.45681
Stddev	.0008521	.0021498	.0015382	.000389	.002825	.09731
%RSD	.9097536	201.1196	.6482327	17.15459	151.7826	.2669199
#1	.0937918	.0024008	.2389606	-.002280	.001249	36.34455
#2	.0927522	.0022171	.2369835	-.002646	-.004268	36.51703
#3	.0944415	-.001411	.2359309	-.001869	-.002564	36.50886

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6096929	.0072432	.0019609	5.888614	.0721693	.0188004
Stddev	.0027414	.0000819	.0000743	.025641	.0007587	.0001831
%RSD	.4496437	1.131002	3.788835	.4354311	1.051311	.9738064
#1	.6073072	.0072699	.0020405	5.861395	.0721015	.0188150
#2	.6126877	.0073083	.0019486	5.912312	.0729597	.0189758
#3	.6090839	.0071512	.0018935	5.892136	.0714468	.0186105

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0859996	52.59264	.3210324	5.198710	.0601379	.0065982
Stddev	.0000490	.20938	.0015493	.016663	.0001054	.0003660
%RSD	.0569742	.3981134	.4825852	.3205234	.1751934	5.547734
#1	.0859564	52.63587	.3195660	5.217073	.0601485	.0069712
#2	.0860528	52.77703	.3226530	5.194506	.0600277	.0065839
#3	.0859895	52.36502	.3208783	5.184551	.0602376	.0062395

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9713454	.1427887	.5302043	1.582400	-.023762	.0025885
Stddev	.0012537	.0053844	.0038201	.092132	.000851	.0001102
%RSD	.1290725	3.770884	.7204868	5.822269	3.579518	4.258743
#1	.9702502	.1377062	.5333652	1.493325	-.024184	.0026106
#2	.9710732	.1422287	.5312883	1.677310	-.024319	.0024688
#3	.9727129	.1484312	.5259594	1.576563	-.022783	.0026859

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3580-03 Acquired: 8/25/2024 20:08:33 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0359704	.4678855	6.601137	2.357308	F 14.37853	.0106023
Stddev	.0004546	.0006755	.031262	.006847	.04679	.0039074
%RSD	1.263700	.1443764	.4735822	.2904765	.3253946	36.85373
#1	.0364856	.4677503	6.601769	2.359407	14.42382	.0066435
#2	.0357997	.4686185	6.632078	2.349657	14.33038	.0107075
#3	.0356259	.4672879	6.569564	2.362860	14.38139	.0144560

Elem	Sr4077
Units	ppm
Avg	.0141070
Stddev	.0003478
%RSD	2.465460
#1	.0138015
#2	.0140339
#3	.0144855

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4640.789	66021.80	5676.634	3667.821	6445.227
Stddev	7.692	431.64	1.513	11.910	12.685
%RSD	.1657449	.6537908	.0266468	.3247170	.1968190
#1	4647.617	65583.64	5677.364	3654.307	6451.470
#2	4642.295	66035.15	5677.644	3676.788	6453.581
#3	4632.456	66446.62	5674.895	3672.368	6430.630

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3580-04 Acquired: 8/25/2024 20:12:44 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1664283	.0021976	.2460807	-.005361	.0006339	30.97036
Stddev	.0010014	.0000866	.0017753	.002343	.0013222	.08802
%RSD	.6016969	3.940295	.7214297	43.69551	208.5956	.2842051
#1	.1657924	.0022112	.2479071	-.008016	.0017413	30.98321
#2	.1659098	.0021050	.2443614	-.004485	.0009904	31.05124
#3	.1675826	.0022765	.2459735	-.003583	-.000830	30.87662

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6033126	.0086032	.0029107	7.337022	.0757075	.0283335
Stddev	.0031236	.0001332	.0001083	.056569	.0003195	.0000328
%RSD	.5177409	1.548251	3.721441	.7710027	.4220675	.1158697
#1	.6033884	.0086773	.0030248	7.326648	.0753767	.0283595
#2	.6063976	.0086828	.0028982	7.398060	.0760145	.0282966
#3	.6001518	.0084494	.0028092	7.286359	.0757313	.0283443

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0961520	71.24624	.4296626	4.927084	.0685592	.0132962
Stddev	.0002781	.28581	.0035152	.022801	.0002750	.0005095
%RSD	.2892612	.4011627	.8181214	.4627707	.4011563	3.832057
#1	.0964699	71.18778	.4284285	4.942413	.0682506	.0136375
#2	.0960319	70.99417	.4336285	4.937957	.0687785	.0127105
#3	.0959540	71.55676	.4269310	4.900881	.0686484	.0135405

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9213135	.1247749	.5511656	2.355758	-.043690	.0039129
Stddev	.0109821	.0015974	.0016812	.079941	.002669	.0000821
%RSD	1.192002	1.280217	.3050196	3.393427	6.108597	2.098699
#1	.9196230	.1237411	.5501216	2.264217	-.042025	.0039128
#2	.9112747	.1239690	.5502702	2.411812	-.046768	.0038308
#3	.9330428	.1266147	.5531050	2.391243	-.042277	.0039951

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3580-04 Acquired: 8/25/2024 20:12:44 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0153818	.4833074	5.356663	2.183405	F 21.87652	.0229411
Stddev	.0012726	.0021643	.028772	.000575	.07657	.0013977
%RSD	8.273535	.4478027	.5371272	.0263292	.3500321	6.092787
#1	.0167814	.4834723	5.341379	2.182742	21.96491	.0243602
#2	.0142941	.4853845	5.338758	2.183734	21.83424	.0228974
#3	.0150701	.4810654	5.389852	2.183740	21.83040	.0215657

Elem	Sr4077
Units	ppm
Avg	.0054652
Stddev	.0003553
%RSD	6.502056
#1	.0054746
#2	.0058158
#3	.0051053

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4540.908	68964.68	5563.420	3772.345	6289.805
Stddev	11.450	185.00	57.454	11.352	15.915
%RSD	.2521586	.2682545	1.032710	.3009229	.2530245
#1	4533.233	69176.76	5583.038	3781.931	6275.515
#2	4535.422	68836.47	5498.726	3775.294	6286.945
#3	4554.069	68880.81	5608.495	3759.809	6306.956

Sample Name: P3580-05 Acquired: 8/25/2024 20:16:56 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2371385	.0026749	1.222751	-.006385	.0052340	48.39595
Stddev	.0011680	.0018225	.007025	.000780	.0013744	.10404
%RSD	.4925526	68.13155	.5745330	12.22001	26.25830	.2149730
#1	.2370818	.0025746	1.229939	-.006233	.0062232	48.32825
#2	.2383339	.0009047	1.222413	-.005693	.0036647	48.34385
#3	.2359999	.0045455	1.215901	-.007231	.0058141	48.51574

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4679788	.0101270	.0151643	28.13323	.1064959	.1648062
Stddev	.0025453	.0000559	.0000603	.07682	.0002311	.0007372
%RSD	.5438825	.5520342	.3978601	.2730689	.2170321	.4473147
#1	.4698320	.0100728	.0151707	28.05856	.1066388	.1654154
#2	.4650767	.0101239	.0151011	28.12909	.1066196	.1650166
#3	.4690277	.0101844	.0152212	28.21204	.1062292	.1639867

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3094741	113.3434	.7987553	8.026167	.1414212	.0784989
Stddev	.0016867	1.2673	.0025850	.060812	.0008515	.0003489
%RSD	.5450175	1.118148	.3236292	.7576659	.6021271	.4444289
#1	.3101657	114.7894	.7986420	7.955972	.1423850	.0786696
#2	.3107050	112.4252	.7962288	8.062873	.1411078	.0780975
#3	.3075515	112.8157	.8013951	8.059655	.1407707	.0787295

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.677192	.2358740	1.886982	2.618669	-.038238	.0122662
Stddev	.045641	.0029461	.003920	.042954	.003630	.0002341
%RSD	1.704797	1.249010	.2077493	1.640316	9.493613	1.908326
#1	2.719512	.2367935	1.885100	2.642799	-.034052	.0122007
#2	2.683231	.2382507	1.884357	2.569075	-.040149	.0120719
#3	2.628832	.2325778	1.891488	2.644132	-.040515	.0125261

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3580-05 Acquired: 8/25/2024 20:16:56 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0374994	.5805686	7.546655	3.694233	F 48.00747	.0262370
Stddev	.0004227	.0011604	.114235	.019561	.29698	.0011023
%RSD	1.127203	.1998773	1.513717	.5294917	.6186094	4.201450
#1	.0376073	.5813303	7.674155	3.714075	48.33697	.0255743
#2	.0378576	.5811423	7.453622	3.693657	47.92502	.0256272
#3	.0370332	.5792330	7.512189	3.674966	47.76044	.0275095

Elem	Sr4077
Units	ppm
Avg	.0767146
Stddev	.0013389
%RSD	1.745306
#1	.0751717
#2	.0774007
#3	.0775714

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5293.114	78891.62	6296.734	4360.320	5990.589
Stddev	19.947	170.00	78.868	6.480	25.859
%RSD	.3768550	.2154814	1.252520	.1486094	.4316561
#1	5274.233	78841.10	6386.818	4363.196	5965.846
#2	5291.129	79081.15	6263.261	4364.864	5988.487
#3	5313.979	78752.61	6240.124	4352.900	6017.435

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3580-06 Acquired: 8/25/2024 20:21:05 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2581534	.0054797	.2346644	-.007138	.0026120	52.68552
Stddev	.0021283	.0023551	.0002875	.001126	.0012830	.08652
%RSD	.8244152	42.97986	.1225271	15.77956	49.12106	.1642188
#1	.2558202	.0081879	.2349305	-.007844	.0012367	52.60926
#2	.2586517	.0043400	.2347034	-.007731	.0037767	52.66775
#3	.2599883	.0039111	.2343594	-.005839	.0028226	52.77954

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2000188	.0154390	.0162955	8.209957	.3257366	.3875231
Stddev	.0013334	.0000543	.0000758	.016554	.0003155	.0004971
%RSD	.6666629	.3514996	.4652150	.2016281	.0968422	.1282648
#1	.1991602	.0154820	.0162172	8.194118	.3259227	.3870602
#2	.1993412	.0154569	.0163685	8.208612	.3259148	.3880484
#3	.2015550	.0153780	.0163006	8.227143	.3253724	.3874606

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0780593	151.7509	.3260836	1.902322	.0812387	.0053355
Stddev	.0010582	.4537	.0010991	.014488	.0003691	.0001519
%RSD	1.355706	.2990058	.3370774	.7616207	.4543270	2.847581
#1	.0792759	151.2779	.3272716	1.918778	.0816523	.0053969
#2	.0775502	151.7921	.3251028	1.896705	.0811207	.0051625
#3	.0773519	152.1826	.3258763	1.891483	.0809430	.0054471

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7253946	.2411402	1.365644	1.512136	-.066973	.0140213
Stddev	.0097070	.0049970	.002474	.026832	.002912	.0001947
%RSD	1.338174	2.072233	.1811506	1.774414	4.348322	1.388434
#1	.7147085	.2355840	1.363102	1.516344	-.069342	.0138191
#2	.7336672	.2425706	1.368044	1.536615	-.067855	.0142074
#3	.7278080	.2452661	1.365787	1.483449	-.063721	.0140373

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3580-06 Acquired: 8/25/2024 20:21:05 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027519	.3325243	5.982033	7.922266	F 24.61951	.0002370
Stddev	.0001695	.0029009	.016576	.009276	.06188	.0012594
%RSD	6.158752	.8723946	.2770926	.1170857	.2513656	531.3446
#1	.0028482	.3314922	5.964042	7.918696	24.59156	-.000241
#2	.0025562	.3302804	5.996685	7.915305	24.57654	-.000713
#3	.0028513	.3358001	5.985372	7.932796	24.69044	.001665

Elem	Sr4077
Units	ppm
Avg	-.111233
Stddev	.000340
%RSD	.3053736
#1	-.110878
#2	-.111267
#3	-.111554

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5929.214	84362.31	7233.552	4698.364	6181.015
Stddev	8.446	145.69	29.848	7.119	4.188
%RSD	.1424523	.1726935	.4126289	.1515105	.0677603
#1	5920.194	84209.92	7200.956	4695.868	6179.911
#2	5936.936	84376.81	7240.154	4692.830	6185.645
#3	5930.510	84500.21	7259.547	4706.395	6177.490

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3580-07 Acquired: 8/25/2024 20:25:17 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0261592	-.001623	.1259498	-.002236	-.003866	31.57176	.1869738
Stddev	.0009993	.001580	.0012307	.001549	.001153	.04235	.0006637
%RSD	3.820074	97.33208	.9771539	69.27286	29.83450	.1341497	.3549580
#1	.0255036	-.001876	.1259697	-.002852	-.002565	31.57164	.1870677
#2	.0273094	.000068	.1247093	-.003382	-.004763	31.61417	.1862682
#3	.0256647	-.003061	.1271705	-.000474	-.004270	31.52947	.1875855

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022884	.0010829	3.536733	.0786651	.0605670	.0774349	23.24023
Stddev	.0000167	.0000489	.015753	.0002892	.0005294	.0002908	.13930
%RSD	.7276084	4.520536	.4453993	.3676862	.8740996	.3755386	.5994059
#1	.0022925	.0010893	3.532418	.0783318	.0600970	.0772222	23.39945
#2	.0022701	.0010310	3.523587	.0788127	.0604635	.0773161	23.18039
#3	.0023027	.0011283	3.554193	.0788507	.0611405	.0777663	23.14084

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5385785	4.865354	.0484599	.0018697	1.350063	.0771035	.1516308
Stddev	.0002466	.005997	.0006286	.0003186	.014657	.0021675	.0005419
%RSD	.0457799	.1232682	1.297183	17.04124	1.085621	2.811173	.3573529
#1	.5384538	4.860078	.0480416	.0022284	1.360501	.0759856	.1513462
#2	.5384192	4.871877	.0481554	.0016195	1.356382	.0796017	.1512906
#3	.5388625	4.864107	.0491828	.0017612	1.333307	.0757231	.1522557

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.210982	-.020279	.0001184	.0074961	.2661510	7.184163	1.013824
Stddev	.043219	.000490	.0002242	.0003174	.0010563	.042308	.006097
%RSD	1.954721	2.417814	189.3507	4.234178	.3968948	.5889023	.6014304
#1	2.234720	-.020845	.0001423	.0077823	.2651842	7.207579	1.009280
#2	2.237130	-.020011	.0003297	.0071547	.2659904	7.209586	1.011440
#3	2.161097	-.019982	-.000117	.0075512	.2672785	7.135324	1.020754

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3580-07 Acquired: 8/25/2024 20:25:17 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.809101	.0126953	.0037131
Stddev	.016778	.0020565	.0000771
%RSD	.5972587	16.19914	2.077232
#1	2.792709	.0104415	.0036285
#2	2.808354	.0131746	.0037312
#3	2.826240	.0144699	.0037796

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7139.463	105143.3	8772.611	5815.879	6220.178
Stddev	23.027	283.1	39.184	7.551	41.811
%RSD	.3225341	.2692426	.4466656	.1298404	.6721859
#1	7162.450	104834.0	8808.933	5808.177	6259.203
#2	7139.543	105206.1	8777.816	5816.190	6225.281
#3	7116.396	105389.6	8731.085	5823.270	6176.049

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3600-06 Acquired: 8/25/2024 20:29:29 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1163680	.0083349	2.896857	.0048821	.0236635	42.42510
Stddev	.0003617	.0011973	.019244	.0001742	.0003204	.14373
%RSD	.3108331	14.36519	.6642963	3.567737	1.354163	.3387966
#1	.1164778	.0095115	2.895589	.0050266	.0236834	42.32750
#2	.1166620	.0071179	2.916702	.0046887	.0239736	42.59016
#3	.1159641	.0083752	2.878278	.0049310	.0233336	42.35766

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.088941	.0097422	.0057286	41.49335	.2609471	.1128774
Stddev	.015622	.0001090	.0003527	.13233	.0022617	.0005173
%RSD	.5057366	1.118279	6.157158	.3189161	.8667161	.4582460
#1	3.075545	.0096706	.0055948	41.39826	.2630690	.1128471
#2	3.106101	.0098676	.0061286	41.64448	.2612046	.1134092
#3	3.085177	.0096885	.0054623	41.43730	.2585677	.1123760

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6782358	174.9845	1.487327	10.39523	.1906385	.0089041
Stddev	.0054458	.4540	.006040	.01725	.0011148	.0003652
%RSD	.8029334	.2594400	.4060971	.1658939	.5847501	4.101596
#1	.6788997	175.2047	1.481107	10.38833	.1900503	.0087668
#2	.6833192	174.4624	1.493169	10.38251	.1919241	.0093181
#3	.6724885	175.2864	1.487706	10.41486	.1899410	.0086275

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.802952	.2400816	5.263142	6.694496	.0245645	.0274424
Stddev	.012079	.0043784	.012509	.024789	.0008355	.0002212
%RSD	.6699809	1.823698	.2376715	.3702832	3.401190	.8060059
#1	1.808789	.2350437	5.270816	6.666156	.0252079	.0273534
#2	1.789063	.2429673	5.269903	6.712147	.0236202	.0272796
#3	1.811005	.2422340	5.248708	6.705186	.0248654	.0276942

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3600-06 Acquired: 8/25/2024 20:29:29 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9686055	1.634298	5.872011	6.208335	F 28.31926	.1798386
Stddev	.0068308	.002499	.018738	.044112	.18903	.0022041
%RSD	.7052187	.1529222	.3191079	.7105275	.6675080	1.225578
#1	.9687660	1.632325	5.892538	6.212731	28.29749	.1795508
#2	.9753547	1.637109	5.867672	6.250084	28.51824	.1777926
#3	.9616959	1.633461	5.855824	6.162189	28.14206	.1821724

Elem	Sr4077
Units	ppm
Avg	.3470140
Stddev	.0024817
%RSD	.7151528
#1	.3452720
#2	.3498555
#3	.3459145

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4424.230	65670.08	5376.184	3623.151	6104.411
Stddev	13.551	277.39	30.882	6.312	28.542
%RSD	.3062999	.4223993	.5744287	.1742249	.4675556
#1	4427.262	65353.16	5381.847	3618.137	6110.943
#2	4409.419	65788.33	5342.862	3630.239	6073.169
#3	4436.008	65868.74	5403.843	3621.075	6129.120

Sample Name: P3600-06DUP Acquired: 8/25/2024 20:33:38 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1144889	.0085749	2.869782	.0044303	.0211201	41.06930
Stddev	.0007300	.0015346	.020927	.0030630	.0006371	.10999
%RSD	.6375720	17.89669	.7292061	69.13710	3.016735	.2678144
#1	.1153274	.0078708	2.882652	.0013922	.0204801	40.95035
#2	.1139953	.0103352	2.881058	.0043811	.0217543	41.09025
#3	.1141439	.0075186	2.845635	.0075175	.0211259	41.16731

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.064118	.0092017	.0044179	41.00673	.2625004	.1110241
Stddev	.011998	.0000773	.0001549	.20094	.0007218	.0009604
%RSD	.3915763	.8406180	3.504997	.4900158	.2749576	.8650425
#1	3.050764	.0091124	.0045467	40.78425	.2629733	.1119636
#2	3.067596	.0092433	.0044608	41.06095	.2616696	.1110646
#3	3.073993	.0092493	.0042461	41.17500	.2628583	.1100441

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.282192	183.8044	1.457213	10.10461	.1884750	.0100160
Stddev	.011188	.3839	.004580	.01878	.0017577	.0002887
%RSD	.8725385	.2088900	.3143248	.1858594	.9325952	2.882523
#1	1.290067	183.3906	1.452605	10.10961	.1897692	.0103489
#2	1.287122	183.8736	1.457267	10.08384	.1891818	.0098349
#3	1.269386	184.1491	1.461765	10.12039	.1864739	.0098641

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.878551	.2348678	5.427096	6.969049	.0483227	.0272707
Stddev	.029927	.0015273	.001610	.009096	.0010609	.0005252
%RSD	1.593066	.6502623	.0296688	.1305157	2.195397	1.925738
#1	1.845325	.2345688	5.425457	6.968134	.0491413	.0278540
#2	1.903386	.2335122	5.427154	6.978568	.0487026	.0271223
#3	1.886944	.2365225	5.428676	6.960446	.0471241	.0268356

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3600-06DUP Acquired: 8/25/2024 20:33:38 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9514834	1.598711	6.105348	5.861804	F 26.51905	.1683986
Stddev	.0070390	.004837	.045013	.035163	.18223	.0039207
%RSD	.7397882	.3025858	.7372732	.5998600	.6871743	2.328222
#1	.9577250	1.595808	6.149598	5.885438	26.65137	.1641877
#2	.9528715	1.596031	6.059608	5.878579	26.59459	.1690641
#3	.9438538	1.604296	6.106837	5.821395	26.31119	.1719439

Elem	Sr4077
Units	ppm
Avg	.3321787
Stddev	.0016947
%RSD	.5101668
#1	.3302249
#2	.3330616
#3	.3332496

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4645.383	64717.21	5686.138	3581.355	6469.506
Stddev	29.666	69.76	17.426	3.974	44.443
%RSD	.6386202	.1077946	.3064632	.1109644	.6869638
#1	4622.797	64790.29	5703.828	3584.998	6435.266
#2	4634.372	64710.02	5685.598	3577.117	6453.522
#3	4678.981	64651.32	5668.989	3581.950	6519.731

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: CCV02 Acquired: 8/25/2024 20:37:46 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.025828	5.084298	5.002238	5.079183	4.982821	9.853553	10.14312
Stddev	.026365	.046385	.023448	.027910	.027886	.084567	.06623
%RSD	.5245959	.9123104	.4687560	.5495004	.5596458	.8582375	.6529548
#1	5.007714	5.098822	4.982583	5.062397	4.961889	9.950596	10.21873
#2	5.013695	5.032389	4.995937	5.063751	4.972096	9.814443	10.11525
#3	5.056076	5.121682	5.028192	5.111402	5.014477	9.795620	10.09539

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2568336	2.508762	25.60464	.9995930	2.533831	1.252683	5.107404
Stddev	.0022163	.011938	.17370	.0051659	.011973	.007521	.031993
%RSD	.8629374	.4758553	.6783984	.5168050	.4725172	.6003751	.6263956
#1	.2593912	2.499327	25.80514	.9947396	2.524188	1.247376	5.074837
#2	.2556325	2.504776	25.50918	1.005023	2.530074	1.249384	5.138789
#3	.2554771	2.522183	25.49961	.999016	2.547232	1.261290	5.108586

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.523536	24.86371	2.497301	1.262518	24.42417	2.490161	2.518546
Stddev	.013674	.16837	.012556	.003088	.15439	.011756	.002056
%RSD	.5418460	.6771756	.5027880	.2445763	.6321093	.4721095	.0816325
#1	2.539318	25.03102	2.486912	1.263764	24.26301	2.502188	2.518200
#2	2.515254	24.86580	2.493738	1.264788	24.57075	2.478696	2.520753
#3	2.516035	24.69430	2.511254	1.259001	24.43873	2.489600	2.516685

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.97160	5.037104	4.997481	5.024095	5.064008	4.888637	5.101465
Stddev	.14023	.053728	.028831	.020580	.035000	.051591	.023543
%RSD	.5615708	1.066647	.5769199	.4096249	.6911578	1.055323	.4615010
#1	24.81149	5.099135	4.981533	5.009316	5.104395	4.840183	5.087946
#2	25.03070	5.005185	4.980147	5.015368	5.045113	4.942877	5.087798
#3	25.07260	5.006992	5.030763	5.047600	5.042516	4.882850	5.128650

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: CCV02 Acquired: 8/25/2024 20:37:46 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.940170	4.654360	4.996270
Stddev	.022249	.023678	.064720
%RSD	.4503711	.5087242	1.295371
#1	4.931346	4.680374	5.070885
#2	4.923687	4.648639	4.962586
#3	4.965478	4.634066	4.955339

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4170.444	60264.03	5030.093	3290.697	5960.336
Stddev	20.101	267.00	47.504	8.663	22.719
%RSD	.4819899	.4430500	.9443970	.2632630	.3811744
#1	4183.789	60361.68	4976.197	3289.416	5975.110
#2	4180.218	59961.95	5048.210	3282.746	5971.724
#3	4147.325	60468.46	5065.873	3299.930	5934.175

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: CCB02 Acquired: 8/25/2024 20:41:56 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000270	-.002174	-.001510	-.000421	-.000499	.0245882	.0027362
Stddev	.000760	.001182	.000822	.002683	.001256	.0290902	.0017081
%RSD	281.3450	54.40040	54.43508	637.8382	251.5832	118.3096	62.42584
#1	-.000142	-.001763	-.002451	.000076	-.001287	.0522537	.0020642
#2	.000418	-.003506	-.001151	-.003318	-.001159	.0272540	.0014662
#3	-.001087	-.001251	-.000929	.001980	.000949	-.005743	.0046780

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000695	-.000088	.0205465	.0000946	.0000455	-.000292	.0061571
Stddev	.0000576	.000023	.0286060	.0007752	.0002537	.000507	.0073310
%RSD	82.85990	25.68854	139.2255	819.1705	557.5269	173.7222	119.0658
#1	.0000951	-.000074	-.012413	.0009884	-.000187	-.000035	.0013732
#2	.0000035	-.000077	.038907	-.000395	.000316	.000036	.0025010
#3	.0001099	-.000115	.035146	-.000309	.000008	-.000875	.0145971

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001543	-.012235	-.000289	.0000104	.0179157	.0044529	.0002453
Stddev	.0004433	.024552	.000187	.0003091	.0203015	.0056243	.0002456
%RSD	287.3773	200.6708	64.56780	2963.566	113.3165	126.3059	100.1285
#1	.0006438	-.008320	-.000074	-.000095	.0102086	.0032968	.0005217
#2	-.000220	-.038510	-.000401	-.000232	.0025964	.0105655	.0001615
#3	.000039	.010124	-.000393	.000358	.0409422	-.000503	.0000525

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0344320	-.004689	.0000773	-.000210	-.001815	-.004129	-.006071
Stddev	.0379533	.001058	.0002728	.000274	.001640	.016942	.000706
%RSD	110.2268	22.56590	352.9927	130.4830	90.37191	410.2825	11.63085
#1	-.007035	-.005148	.0001801	-.000314	-.000874	.013051	-.006255
#2	.067447	-.003479	-.000232	.000101	-.003708	-.004617	-.006667
#3	.042884	-.005440	.000284	-.000417	-.000862	-.020822	-.005291

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: CCB02 Acquired: 8/25/2024 20:41:56 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB02 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.003380	.0003701	-.000141
Stddev	.000939	.0012853	.000043
%RSD	27.78508	347.2631	30.37948
#1	-.003225	.0001144	-.000116
#2	-.002528	-.000768	-.000117
#3	-.004387	.001764	-.000191

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4311.718	59899.24	5179.793	3361.763	6486.259
Stddev	17.967	251.40	1.269	12.408	33.868
%RSD	.4167090	.4196969	.0244959	.3690920	.5221525
#1	4290.978	59927.38	5180.802	3357.775	6447.265
#2	4321.626	60135.38	5178.368	3375.675	6503.184
#3	4322.549	59634.96	5180.207	3351.840	6508.329

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3600-06LX5 Acquired: 8/25/2024 20:46:18 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0226150	.0014350	.5944347	.0001101	.0020184	8.944565	.6448697
Stddev	.0017493	.0024336	.0011945	.0011063	.0009230	.027415	.0032938
%RSD	7.735175	169.5928	.2009491	1004.976	45.72964	.3065026	.5107649
#1	.0209090	.0025498	.5954956	.0000210	.0017517	8.918003	.6411966
#2	.0225314	-.001356	.5946677	-.000949	.0012581	8.942930	.6458515
#3	.0244046	.003111	.5931409	.001258	.0030454	8.972760	.6475609

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020568	.0006890	8.719894	.0558093	.0229205	.1464604	38.10972
Stddev	.0000191	.0000955	.054915	.0001870	.0002763	.0003803	.08913
%RSD	.9282505	13.86712	.6297684	.3351248	1.205485	.2596903	.2338867
#1	.0020613	.0006489	8.657424	.0558925	.0226250	.1467036	38.20751
#2	.0020733	.0007980	8.741706	.0559402	.0231724	.1466556	38.03304
#3	.0020359	.0006200	8.760551	.0555951	.0229641	.1460221	38.08859

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3122642	2.209871	.0383538	.0019735	.4161002	.0546207	1.137108
Stddev	.0019543	.021675	.0005189	.0003402	.0116582	.0036926	.001834
%RSD	.6258584	.9808111	1.352850	17.23708	2.801778	6.760430	.1613108
#1	.3107697	2.186022	.0377586	.0022093	.4294948	.0526385	1.134992
#2	.3115471	2.215224	.0387104	.0021276	.4105661	.0523426	1.138253
#3	.3144758	2.228368	.0385925	.0015835	.4082398	.0588812	1.138078

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.454292	.0019090	.0056879	.1931565	.3347473	1.266075	1.221397
Stddev	.079849	.0006208	.0004721	.0005700	.0034345	.011238	.006963
%RSD	5.490581	32.51872	8.299048	.2951200	1.025988	.8876583	.5700558
#1	1.362157	.0026233	.0051510	.1925922	.3322807	1.260714	1.213366
#2	1.497300	.0016035	.0058752	.1931452	.3332913	1.258522	1.225738
#3	1.503417	.0015001	.0060376	.1937321	.3386700	1.278991	1.225088

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3600-06LX5 Acquired: 8/25/2024 20:46:18 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.490407	.0352529	.0713009
Stddev	.011743	.0103098	.0004251
%RSD	.2138860	29.24521	.5962366
#1	5.479924	.0309559	.0708964
#2	5.488200	.0277866	.0712622
#3	5.503097	.0470161	.0717440

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4358.609	61394.45	5212.742	3436.482	6401.347
Stddev	18.241	147.90	40.031	7.909	27.277
%RSD	.4185076	.2409086	.7679408	.2301551	.4261140
#1	4358.271	61495.31	5254.762	3445.609	6397.219
#2	4340.539	61224.67	5175.053	3431.624	6376.370
#3	4377.017	61463.39	5208.412	3432.215	6430.453

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3600-06MS Acquired: 8/25/2024 20:50:32 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9082105	2.071028	3.806685	1.929186	.7962127	43.43112
Stddev	.0044600	.006180	.013929	.004648	.0033774	.18549
%RSD	.4910758	.2984172	.3658988	.2409187	.4241873	.4270975
#1	.9087356	2.067621	3.816235	1.932011	.7949382	43.42610
#2	.9123847	2.078162	3.813117	1.931725	.8000420	43.61906
#3	.9035112	2.067302	3.790702	1.923822	.7936580	43.24818

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.256225	.2124330	.2056463	41.88971	.6581974	.3189837
Stddev	.012455	.0012179	.0007227	.11757	.0041745	.0014289
%RSD	.3825078	.5732968	.3514084	.2806766	.6342345	.4479440
#1	3.254860	.2118036	.2060943	41.87054	.6617946	.3198892
#2	3.269306	.2138368	.2060320	42.01569	.6591776	.3197253
#3	3.244508	.2116586	.2048126	41.78290	.6536200	.3173364

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9741735	179.4114	1.653607	12.15217	.6960954	.0850621
Stddev	.0033501	.8622	.005744	.09910	.0028009	.0010190
%RSD	.3438930	.4805712	.3473398	.8155009	.4023702	1.197960
#1	.9748118	180.2401	1.655628	12.11238	.6985553	.0861555
#2	.9771584	178.5192	1.658068	12.26498	.6966837	.0841389
#3	.9705501	179.4748	1.647127	12.07914	.6930471	.0848918

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.752912	.5344600	5.371350	16.86929	.3079289	.4196589
Stddev	.034805	.0053681	.017069	.08064	.0015905	.0009791
%RSD	.7322825	1.004387	.3177819	.4780124	.5165045	.2333172
#1	4.735732	.5296043	5.390941	16.96052	.3097189	.4199117
#2	4.730037	.5402244	5.363430	16.80755	.3066782	.4204868
#3	4.792966	.5335513	5.359680	16.83980	.3073897	.4185781

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3600-06MS Acquired: 8/25/2024 20:50:32 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.650319	1.797306	6.575493	F 11.83823	F 26.36960	.3531418
Stddev	.005123	.007234	.030420	.03379	.09358	.0040515
%RSD	.3104114	.4024641	.4626264	.2854184	.3548829	1.147263
#1	1.654718	1.800451	6.603948	11.85957	26.45709	.3519930
#2	1.651543	1.802435	6.543430	11.85584	26.38077	.3576436
#3	1.644694	1.789033	6.579102	11.79927	26.27093	.3497888

Elem	Sr4077
Units	ppm
Avg	.5325533
Stddev	.0029184
%RSD	.5480020
#1	.5314806
#2	.5358563
#3	.5303231

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4601.370	64949.50	5466.963	3609.972	6368.923
Stddev	6.023	207.57	36.646	20.387	2.084
%RSD	.1308916	.3195872	.6703215	.5647540	.0327148
#1	4608.293	65100.48	5506.743	3619.414	6370.483
#2	4597.334	65035.22	5434.578	3623.926	6366.557
#3	4598.483	64712.79	5459.569	3586.575	6369.730

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3600-06MSD Acquired: 8/25/2024 20:54:37 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9192012	2.106860	3.861880	1.949705	.7942560	43.50010
Stddev	.0044104	.015836	.016468	.012256	.0040920	.12700
%RSD	.4798068	.7516367	.4264223	.6286141	.5151985	.2919483
#1	.9193563	2.116243	3.866941	1.945593	.7958089	43.35395
#2	.9147152	2.088576	3.843476	1.940034	.7896149	43.58360
#3	.9235319	2.115759	3.875224	1.963489	.7973443	43.56275

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.251971	.2147387	.2093425	41.85462	.6558241	.3233216
Stddev	.012946	.0012170	.0009838	.27325	.0025002	.0016851
%RSD	.3980884	.5667500	.4699598	.6528619	.3812263	.5211881
#1	3.237694	.2133863	.2097393	41.58135	.6531027	.3243048
#2	3.262945	.2150841	.2082223	42.12786	.6580193	.3213758
#3	3.255274	.2157457	.2100660	41.85467	.6563501	.3242842

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9548545	175.6171	1.658284	12.18579	.7065245	.0835175
Stddev	.0055045	.4828	.007878	.05088	.0030064	.0009166
%RSD	.5764774	.2749323	.4750941	.4174952	.4255142	1.097535
#1	.9524044	175.1035	1.651295	12.20090	.7063472	.0824871
#2	.9510004	176.0618	1.666822	12.22740	.7036108	.0838228
#3	.9611587	175.6859	1.656736	12.12908	.7096157	.0842425

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.642931	.5332042	5.356468	16.56077	.3054702	.4192273
Stddev	.005714	.0025730	.020429	.06685	.0015771	.0020130
%RSD	.1230769	.4825545	.3813984	.4036519	.5162801	.4801690
#1	4.648157	.5343134	5.347094	16.52038	.3038367	.4196883
#2	4.643806	.5350366	5.342408	16.63793	.3055899	.4170237
#3	4.636830	.5302627	5.379902	16.52400	.3069840	.4209697

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3600-06MSD Acquired: 8/25/2024 20:54:37 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.662243	1.797832	6.427265	F 12.00145	F 26.68742	.3549749
Stddev	.010715	.006492	.027857	.06209	.15170	.0022273
%RSD	.6446228	.3610983	.4334127	.5173860	.5684367	.6274466
#1	1.666010	1.792337	6.395240	12.01529	26.73631	.3524707
#2	1.650152	1.804995	6.440672	11.93360	26.51731	.3567342
#3	1.670565	1.796163	6.445884	12.05545	26.80866	.3557199

Elem	Sr4077
Units	ppm
Avg	.5357347
Stddev	.0022646
%RSD	.4227175
#1	.5336966
#2	.5381726
#3	.5353347

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4552.707	65516.15	5382.803	3616.252	6294.078
Stddev	16.443	202.21	26.654	6.406	16.714
%RSD	.3611758	.3086344	.4951651	.1771546	.2655549
#1	4563.561	65718.25	5411.082	3615.780	6293.739
#2	4560.770	65313.84	5358.144	3622.881	6310.959
#3	4533.788	65516.38	5379.185	3610.095	6277.535

Sample Name: P3600-06A Acquired: 8/25/2024 20:58:40 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9267956	2.098838	3.872911	1.972987	.8180639	43.35761
Stddev	.0037518	.007803	.020761	.004819	.0051924	.12528
%RSD	.4048117	.3717727	.5360488	.2442722	.6347235	.2889445
#1	.9266407	2.094200	3.850245	1.969069	.8121064	43.37095
#2	.9231237	2.094467	3.877486	1.971524	.8204572	43.47569
#3	.9306225	2.107847	3.891004	1.978369	.8216281	43.22620

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.222229	.2103083	.2079536	41.52773	.6621942	.3232217
Stddev	.005832	.0018103	.0014643	.08432	.0019140	.0022367
%RSD	.1809821	.8607868	.7041532	.2030415	.2890371	.6920152
#1	3.224316	.2093824	.2062813	41.62254	.6643591	.3207106
#2	3.226730	.2123942	.2085733	41.49952	.6614968	.3239540
#3	3.215641	.2091481	.2090061	41.46114	.6607267	.3250005

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9492323	184.8902	1.645131	12.05867	.7061986	.0860769
Stddev	.0076522	1.7046	.002587	.07385	.0040578	.0000945
%RSD	.8061418	.9219744	.1572500	.6124214	.5745984	.1097778
#1	.9404594	186.5341	1.644713	12.09188	.7018528	.0859682
#2	.9527060	183.1307	1.647902	12.11007	.7068545	.0861395
#3	.9545314	185.0057	1.642779	11.97404	.7098885	.0861231

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.923892	.5311746	5.469555	17.38788	.3221200	.4259044
Stddev	.028813	.0016162	.021901	.20229	.0022245	.0021650
%RSD	.5851723	.3042604	.4004182	1.163371	.6905922	.5083319
#1	4.928146	.5316158	5.492806	17.60116	.3246391	.4236863
#2	4.893188	.5325243	5.466546	17.19876	.3212953	.4260149
#3	4.950342	.5293837	5.449315	17.36370	.3204256	.4280121

Sample Name: P3600-06A Acquired: 8/25/2024 20:58:40 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.686636	1.785533	6.822672	F 12.25910	F 27.52574	.3546579
Stddev	.008944	.007793	.072395	.05730	.15800	.0034708
%RSD	.5303128	.4364579	1.061096	.4674256	.5739954	.9786362
#1	1.677086	1.785842	6.896817	12.19390	27.37909	.3582373
#2	1.688007	1.793167	6.752164	12.28197	27.50510	.3513070
#3	1.694817	1.777590	6.819033	12.30144	27.69305	.3544295

Elem	Sr4077
Units	ppm
Avg	.5182199
Stddev	.0019002
%RSD	.3666805
#1	.5177153
#2	.5203214
#3	.5166229

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4466.336	62072.32	5415.474	3495.692	6144.749
Stddev	24.021	359.15	44.065	21.261	33.203
%RSD	.5378252	.5785923	.8136917	.6082009	.5403403
#1	4494.039	61662.37	5426.648	3471.742	6183.044
#2	4451.302	62223.05	5366.897	3502.997	6127.207
#3	4453.666	62331.54	5452.876	3512.338	6123.998

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3640-02 Acquired: 8/25/2024 21:02:46 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047701	-.002334	.0010386	-.006956	-.000380	.0610940
Stddev	.0023921	.001124	.0014134	.001875	.000900	.0299895
%RSD	50.14730	48.16956	136.0848	26.95402	236.9424	49.08746
#1	.0020240	-.003620	.0024822	-.009117	-.000239	.0906766
#2	.0058860	-.001539	.0009762	-.005753	-.001342	.0307135
#3	.0064004	-.001843	-.000343	-.006000	.000441	.0618918

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1840084	.0000021	-.000109	418.4106	.0247571	.0003918
Stddev	.0007663	.0000122	.000094	4.9748	.0001137	.0003495
%RSD	.4164207	580.4680	86.47280	1.188974	.4590768	89.21461
#1	.1847910	-.000010	-.000211	420.8701	.0246274	.0000247
#2	.1832596	.000001	-.000025	412.6851	.0248395	.0007206
#3	.1839745	.000015	-.000092	421.6765	.0248043	.0004300

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0061996	.1038361	.0355907	5.945168	.0050300	-.000122
Stddev	.0001847	.0075837	.0005336	.108983	.0001751	.000539
%RSD	2.980000	7.303546	1.499355	1.833137	3.481211	441.4602
#1	.0062578	.0963426	.0361689	5.991022	.0050166	-.000406
#2	.0063483	.1036588	.0351171	5.820750	.0052114	.000500
#3	.0059928	.1115070	.0354862	6.023731	.0048619	-.000460

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	761.3128	-.001420	.0876379	8.258469	.0864934	.0076775
Stddev	4.1896	.002528	.0005429	.140320	.0018475	.0004180
%RSD	.5503101	178.0650	.6195141	1.699107	2.135960	5.444279
#1	766.0136	-.004327	.0880896	8.198224	.0881340	.0078698
#2	759.9520	-.000195	.0877885	8.158332	.0844922	.0079647
#3	757.9727	.000263	.0870356	8.418852	.0868540	.0071979

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3640-02 Acquired: 8/25/2024 21:02:46 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.006688	-.007319	8.121917	.0751419	F 24.20237	.0335329
Stddev	.000741	.003528	.080896	.0023251	.12314	.0053697
%RSD	11.07870	48.21142	.9960269	3.094289	.5087920	16.01308
#1	-.007513	-.005597	8.089517	.0769008	24.31603	.0310493
#2	-.006471	-.004981	8.062242	.0760192	24.07155	.0298546
#3	-.006079	-.011377	8.213991	.0725058	24.21953	.0396948

Elem	Sr4077
Units	ppm
Avg	1.338492
Stddev	.017489
%RSD	1.306637
#1	1.348994
#2	1.318303
#3	1.348180

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3938.497	55805.54	5109.504	3099.320	5392.382
Stddev	6.974	53.56	58.086	5.768	14.018
%RSD	.1770675	.0959736	1.136824	.1860951	.2599506
#1	3930.450	55826.98	5050.077	3098.469	5376.205
#2	3942.783	55845.05	5166.150	3105.466	5400.926
#3	3942.257	55744.58	5112.285	3094.025	5400.017

Sample Name: P3640-02DUP Acquired: 8/25/2024 21:07:13 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035854	-.001742	.0009320	-.003858	.0010915	.0564216
Stddev	.0014931	.001419	.0005611	.002657	.0022384	.0170057
%RSD	41.64350	81.44595	60.20868	68.86533	205.0769	30.14040
#1	.0052829	-.003091	.0007899	-.003121	-.000308	.0563504
#2	.0024754	-.000262	.0015505	-.001647	-.000090	.0394516
#3	.0029980	-.001874	.0004555	-.006805	.003673	.0734627

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1877291	-.000003	-.000091	422.3443	.0255933	.0004066
Stddev	.0012339	.000035	.000111	1.3853	.0004092	.0003751
%RSD	.6572588	1154.876	122.6832	.3280128	1.598819	92.25647
#1	.1874548	-.000019	-.000139	423.4182	.0252083	.0000026
#2	.1890770	-.000028	-.000169	422.8341	.0260230	.0007440
#3	.1866554	.000037	.000037	420.7806	.0255486	.0004733

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060698	.0932389	.0362356	5.989906	.0055048	.0000926
Stddev	.0005238	.0054334	.0006669	.019560	.0001949	.0002827
%RSD	8.629033	5.827399	1.840510	.3265481	3.539896	305.3084
#1	.0066730	.0888785	.0369308	6.008719	.0053690	.0001392
#2	.0058060	.0915124	.0356011	5.991323	.0057281	.0003491
#3	.0057303	.0993258	.0361749	5.969676	.0054173	-.000211

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	782.4085	.0019934	.0894657	8.578785	.0860177	.0072138
Stddev	14.6247	.0019114	.0011118	.128442	.0005314	.0002639
%RSD	1.869194	95.88938	1.242675	1.497206	.6177607	3.658428
#1	765.8262	.0039598	.0882238	8.434353	.0863322	.0075124
#2	793.4662	.0018782	.0903682	8.680187	.0863166	.0071173
#3	787.9331	.0001421	.0898053	8.621816	.0854041	.0070118

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3640-02DUP Acquired: 8/25/2024 21:07:13 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005639	-.006043	8.386453	.0736912	F 24.63799	.0331501
Stddev	.000960	.002468	.120767	.0025338	.18405	.0022047
%RSD	17.02867	40.84373	1.440029	3.438438	.7470185	6.650702
#1	-.004586	-.006926	8.250333	.0757194	24.77320	.0356601
#2	-.005863	-.007949	8.480746	.0745033	24.71239	.0315265
#3	-.006467	-.003255	8.428280	.0708509	24.42839	.0322637

Elem	Sr4077
Units	ppm
Avg	1.354776
Stddev	.004369
%RSD	.3224845
#1	1.357565
#2	1.357021
#3	1.349741

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3901.477	54715.23	5127.395	3050.066	5341.008
Stddev	3.214	746.13	10.305	35.741	7.342
%RSD	.0823745	1.363655	.2009853	1.171810	.1374644
#1	3897.834	55562.71	5127.373	3090.166	5333.737
#2	3902.681	54157.18	5117.101	3021.565	5340.868
#3	3903.914	54425.81	5137.711	3038.467	5348.419

Sample Name: P3640-02LX5 Acquired: 8/25/2024 21:11:39 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008277	-.001333	-.000135	-.001843	-.001283	.0358285	.0422952
Stddev	.0009673	.001385	.000459	.002230	.002455	.0156061	.0013321
%RSD	116.8615	103.8529	339.1789	120.9595	191.3110	43.55770	3.149437
#1	.0007138	-.001443	-.000637	-.004411	.000542	.0474130	.0416043
#2	-.000078	.000103	-.000031	-.000395	-.000317	.0180822	.0438308
#3	.001847	-.002660	.000263	-.000724	-.004075	.0419901	.0414506

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000201	-.000090	89.49309	.0050085	.0000426	.0011902	.0328230
Stddev	.0000754	.000125	.55280	.0005396	.0002296	.0005477	.0054560
%RSD	375.1870	137.7841	.6177050	10.77390	538.8797	46.01997	16.62248
#1	.0000498	.000016	88.85791	.0044524	-.000222	.0005990	.0316509
#2	.0000762	-.000227	89.86553	.0055300	.000155	.0016805	.0280482
#3	-.000066	-.000060	89.75581	.0050432	.000194	.0012911	.0387697

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0079744	1.290448	.0008449	.0001142	159.6379	.0041100	.0172706
Stddev	.0002573	.034528	.0001335	.0004201	1.5103	.0034175	.0002319
%RSD	3.227071	2.675640	15.80379	368.0657	.9460580	83.15134	1.342666
#1	.0082407	1.256101	.0008658	.0002466	160.5189	.0014313	.0174631
#2	.0079555	1.290090	.0009667	-.000356	157.8941	.0079588	.0170132
#3	.0077271	1.325154	.0007021	.000452	160.5009	.0029398	.0173355

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.926738	.0098814	.0011393	-.002717	-.004061	1.636275	.0111906
Stddev	.003850	.0007658	.0004525	.000682	.000861	.015643	.0023860
%RSD	.1998192	7.749448	39.71454	25.10156	21.20021	.9560284	21.32193
#1	1.922361	.0089977	.0016527	-.003484	-.004784	1.645327	.0124958
#2	1.928255	.0102983	.0007988	-.002178	-.004289	1.618212	.0126393
#3	1.929599	.0103483	.0009664	-.002491	-.003109	1.645287	.0084367

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3640-02LX5 Acquired: 8/25/2024 21:11:39 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.618544	.0079487	.2827699
Stddev	.009954	.0054576	.0013392
%RSD	.2155120	68.66077	.4736099
#1	4.625533	.0097772	.2812554
#2	4.622952	.0122574	.2832565
#3	4.607148	.0018116	.2837978

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4222.344	58731.27	5129.983	3281.798	6000.227
Stddev	11.782	484.77	24.639	25.948	10.579
%RSD	.2790294	.8254088	.4802868	.7906712	.1763108
#1	4220.121	58263.49	5144.416	3257.630	5999.220
#2	4211.833	59231.41	5101.534	3309.220	5990.188
#3	4235.079	58698.93	5144.000	3278.544	6011.274

Sample Name: P3640-02MS Acquired: 8/25/2024 21:15:59 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9087213	1.955664	1.025732	2.201031	.8417653	2.049064
Stddev	.0007602	.021441	.004391	.006048	.0005602	.038837
%RSD	.0836579	1.096362	.4281184	.2747690	.0665488	1.895342
#1	.9084172	1.954985	1.023162	2.195181	.8415418	2.030677
#2	.9095865	1.934571	1.023230	2.200653	.8413513	2.022836
#3	.9081603	1.977437	1.030802	2.207259	.8424027	2.093680

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3861801	.2102524	.2085324	420.4012	.4237752	.2142342
Stddev	.0019216	.0018534	.0004200	1.8674	.0004442	.0006362
%RSD	.4975819	.8815015	.2014015	.4441902	.1048208	.2969683
#1	.3846035	.2082419	.2082984	418.2960	.4239740	.2137380
#2	.3856164	.2106224	.2082816	421.0494	.4232663	.2140131
#3	.3883205	.2118928	.2090173	421.8580	.4240853	.2149514

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3115892	3.188774	.2361177	7.838337	.5314715	.0777106
Stddev	.0007051	.028249	.0013662	.030375	.0014581	.0004081
%RSD	.2262838	.8858745	.5786198	.3875148	.2743578	.5251755
#1	.3123917	3.221392	.2348180	7.821000	.5306384	.0776908
#2	.3110690	3.172545	.2359931	7.820600	.5306210	.0773128
#3	.3113070	3.172384	.2375419	7.873410	.5331552	.0781283

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	708.6721	.2966489	.3023582	19.63751	.3578807	.4169387
Stddev	2.6102	.0016086	.0010776	.15754	.0025630	.0014071
%RSD	.3683250	.5422654	.3564080	.8022617	.7161744	.3374860
#1	710.9773	.2958203	.3019319	19.77753	.3555306	.4179713
#2	705.8379	.2956236	.3035838	19.66807	.3574978	.4153360
#3	709.2011	.2985029	.3015590	19.46692	.3606136	.4175087

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3640-02MS Acquired: 8/25/2024 21:15:59 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7217767	.1915494	8.244743	7.080427	F 24.96753	.2354345
Stddev	.0004611	.0008864	.023023	.017844	.09027	.0058882
%RSD	.0638790	.4627555	.2792423	.2520130	.3615424	2.501009
#1	.7215912	.1907943	8.252637	7.069389	24.90933	.2348537
#2	.7214373	.1925253	8.262780	7.070879	24.92175	.2415915
#3	.7223016	.1913286	8.218812	7.101013	25.07152	.2298581

Elem	Sr4077
Units	ppm
Avg	1.531141
Stddev	.004451
%RSD	.2906824
#1	1.526059
#2	1.533017
#3	1.534347

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3791.902	57894.49	4901.092	3161.588	5192.581
Stddev	6.551	27.64	40.994	8.313	11.816
%RSD	.1727757	.0477350	.8364238	.2629419	.2275559
#1	3794.382	57889.72	4944.579	3161.127	5201.873
#2	3796.852	57869.55	4895.538	3153.514	5196.587
#3	3784.473	57924.20	4863.158	3170.122	5179.282

Sample Name: P3640-02MSD Acquired: 8/25/2024 21:20:13 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8709293	1.906836	1.006656	2.108351	.8250815	2.037823
Stddev	.0023532	.020945	.001696	.005730	.0014589	.027800
%RSD	.2701985	1.098399	.1685140	.2717611	.1768128	1.364179
#1	.8736191	1.892292	1.005720	2.102932	.8235640	2.069429
#2	.8692507	1.930842	1.008614	2.114347	.8252070	2.026879
#3	.8699181	1.897375	1.005634	2.107775	.8264736	2.017161

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3841081	.2043515	.2039484	414.5747	.4309796	.2095049
Stddev	.0027171	.0005577	.0002027	.2438	.0012384	.0002320
%RSD	.7073726	.2729063	.0994023	.0588053	.2873370	.1107580
#1	.3870203	.2049826	.2037678	414.4083	.4324009	.2095803
#2	.3836630	.2041472	.2039097	414.8545	.4304044	.2092445
#3	.3816411	.2039249	.2041677	414.4612	.4301334	.2096898

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3023744	3.397248	.2351194	7.752567	.5186401	.0797423
Stddev	.0009812	.003511	.0013597	.014001	.0009495	.0001848
%RSD	.3244954	.1033576	.5782838	.1806044	.1830659	.2317012
#1	.3016091	3.397407	.2346154	7.747287	.5181160	.0798668
#2	.3034806	3.393660	.2366591	7.768441	.5180681	.0795300
#3	.3020334	3.400677	.2340837	7.741973	.5197360	.0798301

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	740.0906	.3022213	.3088985	20.61404	.3467560	.4158446
Stddev	8.1503	.0060643	.0011919	.16258	.0016532	.0010323
%RSD	1.101257	2.006584	.3858621	.7886965	.4767529	.2482362
#1	747.6880	.2985075	.3101721	20.75387	.3481608	.4148403
#2	731.4818	.2989370	.3087135	20.43564	.3449343	.4157908
#3	741.1022	.3092194	.3078099	20.65262	.3471729	.4169027

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3640-02MSD Acquired: 8/25/2024 21:20:13 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7105110	.1935888	8.686969	6.680722	F 23.12991	.2239709
Stddev	.0015781	.0008668	.009691	.005697	.02935	.0048724
%RSD	.2221106	.4477785	.1115573	.0852792	.1268995	2.175482
#1	.7100800	.1925912	8.678928	6.679898	23.11121	.2185689
#2	.7091932	.1941586	8.697729	6.686786	23.16374	.2253098
#3	.7122599	.1940166	8.684250	6.675482	23.11478	.2280339

Elem	Sr4077
Units	ppm
Avg	1.516340
Stddev	.000521
%RSD	.0343793
#1	1.516931
#2	1.515944
#3	1.516146

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4008.311	55955.30	5068.884	3094.619	5515.031
Stddev	7.027	77.66	8.693	5.139	8.590
%RSD	.1753075	.1387858	.1714943	.1660610	.1557480
#1	4008.508	55919.83	5062.370	3089.425	5508.163
#2	4001.188	56044.36	5078.755	3099.701	5512.267
#3	4015.237	55901.71	5065.528	3094.730	5524.662

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3640-02A Acquired: 8/25/2024 21:24:28 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9286747	1.975974	1.056004	2.258067	.8717953	2.141714
Stddev	.0051667	.011424	.002347	.001883	.0013612	.054379
%RSD	.5563500	.5781692	.2222248	.0833921	.1561417	2.539053
#1	.9265927	1.978441	1.055026	2.259308	.8708916	2.079966
#2	.9248739	1.985963	1.054305	2.255900	.8711335	2.182462
#3	.9345576	1.963517	1.058682	2.258992	.8733609	2.162713

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3866896	.2140173	.2146634	415.3842	.4423844	.2204230
Stddev	.0059505	.0044357	.0002570	4.1155	.0002899	.0001961
%RSD	1.538818	2.072605	.1197400	.9907787	.0655270	.0889535
#1	.3806618	.2094133	.2145111	411.2102	.4420882	.2202978
#2	.3868473	.2143756	.2145189	415.5038	.4423975	.2203222
#3	.3925595	.2182630	.2149601	419.4386	.4426675	.2206490

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3204669	3.339841	.2392089	7.866509	.5469711	.0811683
Stddev	.0008772	.047645	.0029278	.079051	.0011213	.0002355
%RSD	.2737099	1.426559	1.223947	1.004904	.2049959	.2900791
#1	.3199310	3.394575	.2365452	7.787898	.5462209	.0809249
#2	.3199906	3.317289	.2387378	7.865635	.5464322	.0813950
#3	.3214792	3.307660	.2423436	7.945993	.5482600	.0811848

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	719.6485	.3100007	.3152342	20.49536	.3619195	.4324645
Stddev	12.2469	.0065477	.0007420	.13383	.0084596	.0004007
%RSD	1.701794	2.112140	.2353637	.6529809	2.337430	.0926566
#1	725.7946	.3082171	.3156955	20.60945	.3542547	.4320163
#2	727.6052	.3045296	.3143783	20.52857	.3605076	.4325888
#3	705.5456	.3172553	.3156287	20.34805	.3709963	.4327883

Sample Name: P3640-02A Acquired: 8/25/2024 21:24:28 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7448756	.1964073	8.549127	7.159163	F 24.64575	.2354568
Stddev	.0010798	.0011418	.060012	.007582	.02298	.0026582
%RSD	.1449689	.5813258	.7019699	.1059012	.0932383	1.128967
#1	.7442162	.1956830	8.601657	7.150497	24.61923	.2332564
#2	.7461218	.1977235	8.562001	7.162422	24.65951	.2347037
#3	.7442889	.1958154	8.483722	7.164570	24.65853	.2384103

Elem	Sr4077
Units	ppm
Avg	1.523096
Stddev	.017399
%RSD	1.142369
#1	1.507251
#2	1.520321
#3	1.541716

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3800.472	56102.70	4920.836	3089.189	5211.417
Stddev	4.059	182.05	78.020	12.369	2.488
%RSD	.1067995	.3244917	1.585502	.4004076	.0477508
#1	3797.659	55898.27	4990.964	3075.320	5210.341
#2	3798.631	56162.51	4934.747	3093.170	5209.648
#3	3805.124	56247.32	4836.796	3099.078	5214.263

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: CCV03 Acquired: 8/25/2024 21:28:42 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.112348	5.104307	5.157998	5.129459	5.098205	10.27177	10.41722
Stddev	.031300	.052897	.034478	.026862	.026660	.02506	.02094
%RSD	.6122509	1.036326	.6684454	.5236755	.5229254	.2439955	.2010110
#1	5.110653	5.073150	5.149049	5.115753	5.095158	10.25802	10.42071
#2	5.144461	5.165383	5.196069	5.160409	5.126257	10.25659	10.39475
#3	5.081929	5.074388	5.128877	5.112215	5.073199	10.30070	10.43619

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2720712	2.580502	26.34800	1.040926	2.610021	1.285405	5.220463
Stddev	.0017268	.015294	.14059	.000281	.017181	.006942	.037127
%RSD	.6347019	.5926673	.5335764	.0269929	.6582685	.5400982	.7111915
#1	.2717764	2.579212	26.42144	1.041148	2.608011	1.283816	5.251336
#2	.2705107	2.596400	26.18590	1.041020	2.628118	1.293004	5.230786
#3	.2739264	2.565894	26.43665	1.040610	2.593933	1.279394	5.179266

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.602960	25.79544	2.567293	1.313033	27.30087	2.569996	2.623190
Stddev	.007264	.05772	.014707	.000310	.16973	.004588	.005516
%RSD	.2790787	.2237681	.5728461	.0236071	.6216941	.1785241	.2102792
#1	2.603362	25.84788	2.564628	1.312678	27.34461	2.568656	2.629513
#2	2.595503	25.73359	2.583151	1.313247	27.44445	2.566227	2.620692
#3	2.610015	25.80485	2.554102	1.313175	27.11355	2.575105	2.619364

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.59656	5.346350	5.169492	5.158891	5.227577	5.060795	5.179440
Stddev	.14045	.038814	.033406	.033679	.017336	.013171	.034644
%RSD	.5280663	.7259959	.6462204	.6528268	.3316167	.2602634	.6688823
#1	26.46663	5.344685	5.169002	5.155104	5.233683	5.045708	5.171108
#2	26.74557	5.308394	5.203141	5.194303	5.208015	5.070006	5.217490
#3	26.57747	5.385969	5.136333	5.127266	5.241033	5.066670	5.149720

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: CCV03 Acquired: 8/25/2024 21:28:42 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.952562	4.929979	5.200050
Stddev	.034594	.010549	.033482
%RSD	.6985056	.2139782	.6438797
#1	4.940498	4.932477	5.217794
#2	4.991573	4.918405	5.161431
#3	4.925616	4.939055	5.220925

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4220.386	58252.09	4810.150	3220.209	6045.461
Stddev	22.894	87.18	37.816	10.640	34.756
%RSD	.5424571	.1496580	.7861620	.3303980	.5749055
#1	4206.332	58167.52	4798.633	3208.009	6028.054
#2	4208.022	58341.66	4852.385	3227.559	6022.848
#3	4246.803	58247.10	4779.432	3225.060	6085.481

Sample Name: CCB03 Acquired: 8/25/2024 21:37:56 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011385	-.000415	-.000944	-.002806	-.001239	.0340599	.0055643
Stddev	.0011974	.000627	.000916	.003199	.001774	.0068001	.0013681
%RSD	105.1724	151.2685	96.98840	114.0129	143.1798	19.96509	24.58729
#1	.0004923	-.000719	-.001847	-.004434	-.001181	.0305527	.0041183
#2	.0004030	.000307	-.000970	-.004864	-.003041	.0297294	.0068383
#3	.0025202	-.000832	-.000016	.000880	.000505	.0418976	.0057363

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000497	-.000072	-.012857	-.000317	.0001553	-.000492	.0003041
Stddev	.0000576	.000091	.006229	.000252	.0001536	.000113	.0063885
%RSD	116.0091	126.8939	48.44485	79.67989	98.96379	22.86027	2100.550
#1	.0000762	-.000065	-.011487	-.000350	.0001237	-.000373	.0025781
#2	.0000893	-.000167	-.007428	-.000551	.0000198	-.000508	-.006910
#3	-.000016	.000015	-.019657	-.000049	.0003222	-.000596	.005245

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001724	-.019842	-.000558	.0001475	.3606540	-.006252	-.000550
Stddev	.0004125	.018581	.000081	.0005537	.0546060	.003211	.000373
%RSD	239.2050	93.64588	14.55790	375.3125	15.14082	51.35857	67.86614
#1	.0002826	-.030006	-.000642	-.000474	.3033387	-.007946	-.000973
#2	.0005187	.001604	-.000551	.000329	.3665513	-.002549	-.000411
#3	-.000284	-.031125	-.000480	.000587	.4120720	-.008261	-.000266

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2597950	-.008108	-.000265	-.003750	-.002561	.0167316	-.004179
Stddev	.0341731	.001019	.000171	.000607	.002910	.0073249	.001938
%RSD	13.15388	12.57011	64.67654	16.19448	113.6171	43.77877	46.37578
#1	.2676313	-.008259	-.000262	-.004297	-.002170	.0084329	-.004768
#2	.2893694	-.007022	-.000095	-.003097	.000133	.0222960	-.002015
#3	.2223844	-.009044	-.000438	-.003855	-.005647	.0194660	-.005755

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: CCB03 Acquired: 8/25/2024 21:37:56 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002256	.0036139	-.000316
Stddev	.001842	.0034075	.000060
%RSD	81.64106	94.28777	19.01645
#1	-.000316	.0052385	-.000364
#2	-.002471	.0059051	-.000334
#3	-.003982	-.000302	-.000249

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4592.560	60517.77	4760.865	3426.550	7116.842
Stddev	2.695	270.86	26.412	2.011	6.017
%RSD	.0586743	.4475783	.5547714	.0586940	.0845460
#1	4594.431	60753.14	4777.760	3428.461	7113.698
#2	4593.778	60221.71	4730.429	3424.452	7123.780
#3	4589.472	60578.46	4774.407	3426.736	7113.050

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: LR2 Acquired: 8/25/2024 21:42:17 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0074287	.0174793	241.2788	.0209255	-.010305	.0385412
Stddev	.0018331	.0021512	2.1158	.0009766	.001462	.0290884
%RSD	24.67586	12.30686	.8768986	4.666934	14.18329	75.47366
#1	.0054496	.0152720	243.4317	.0198121	-.010632	.0266134
#2	.0090683	.0175964	239.2022	.0213278	-.011576	.0173125
#3	.0077682	.0195695	241.2026	.0216367	-.008708	.0716976

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	95.84589	-.006280	-.007137	.2068445	.0329865	.0899515
Stddev	.60228	.000021	.000032	.0131890	.0005667	.0005590
%RSD	.6283875	.3282453	.4529048	6.376309	1.718087	.6215027
#1	95.15669	-.006304	-.007129	.2156699	.0331748	.0902380
#2	96.27107	-.006267	-.007173	.1916830	.0334352	.0893072
#3	96.10992	-.006269	-.007109	.2131805	.0323496	.0903092

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 281.8912	-.000241	44.06216	-.075500	46.86471	.0022130
Stddev	2.0145	.006443	.04696	.014587	.64401	.0001981
%RSD	.7146550	2672.266	.1065668	19.32078	1.374190	8.951376
#1	283.5938	.005878	44.03863	-.061281	47.47796	.0022665
#2	279.6672	-.006964	44.11623	-.074789	46.92234	.0023789
#3	282.4126	.000362	44.03161	-.090429	46.19381	.0019937

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1036313	-.016944	33.53663	.1418601	-.007486	-.008847
Stddev	.0104000	.002450	.13536	.0231600	.000435	.000167
%RSD	10.03556	14.46165	.4036231	16.32596	5.813508	1.892159
#1	.0964452	-.017254	33.69139	.1679080	-.007072	-.009019
#2	.1155568	-.019224	33.47824	.1235905	-.007940	-.008685
#3	.0988919	-.014353	33.44027	.1340817	-.007445	-.008835

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: LR2 Acquired: 8/25/2024 21:42:17 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.006831	-.055034	.0043720	1.081190	.1150873	-.001105
Stddev	.000650	.001645	.0178745	.021478	.0016081	.009499
%RSD	9.513156	2.989188	408.8400	1.986553	1.397290	859.6737
#1	-.006373	-.056223	.0002461	1.105946	.1165289	-.011998
#2	-.006545	-.053156	.0239486	1.070117	.1153801	.003224
#3	-.007575	-.055722	-.011079	1.067508	.1133529	.005459

Elem	Sr4077
Units	ppm
Avg	.0012254
Stddev	.0000966
%RSD	7.884379
#1	.0011777
#2	.0013366
#3	.0011619

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3998.296	64420.22	5127.283	3296.159	6620.527
Stddev	15.127	212.99	4.533	13.832	28.638
%RSD	.3783457	.3306316	.0884170	.4196252	.4325606
#1	3985.181	64282.28	5128.831	3293.602	6600.163
#2	4014.845	64312.86	5122.178	3283.785	6653.273
#3	3994.863	64665.53	5130.839	3311.091	6608.146

Sample Name: P3607-01 Acquired: 8/25/2024 21:47:34 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2044397	.0085995	.3651446	-.016354	.0055359	46.40254
Stddev	.0006811	.0008912	.0021662	.000776	.0021947	.02457
%RSD	.3331606	10.36361	.5932452	4.746937	39.64464	.0529546
#1	.2037432	.0095386	.3666541	-.015988	.0035367	46.37434
#2	.2044715	.0077655	.3661170	-.017246	.0051868	46.41397
#3	.2051043	.0084945	.3626625	-.015829	.0078843	46.41932

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3907702	.0096303	-.003116	177.3785	.1724153	.0600932
Stddev	.0015833	.0001580	.000132	.1074	.0018509	.0002147
%RSD	.4051767	1.640586	4.221378	.0605630	1.073526	.3573076
#1	.3890438	.0094952	-.002965	177.3169	.1706611	.0602251
#2	.3911124	.0095917	-.003205	177.5026	.1722350	.0602092
#3	.3921545	.0098041	-.003178	177.3161	.1743497	.0598455

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2681842	185.8370	2.425289	104.5472	.1328152	.0078017
Stddev	.0021049	.6718	.001711	.2206	.0004033	.0006024
%RSD	.7848725	.3615188	.0705648	.2109978	.3036575	7.721567
#1	.2700409	185.7573	2.426751	104.7700	.1328594	.0080831
#2	.2686143	186.5451	2.425710	104.3289	.1331946	.0082120
#3	.2658975	185.2086	2.423407	104.5426	.1323917	.0071101

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.809665	.2228749	.7107006	8.493256	-.046026	.0255323
Stddev	.018720	.0025288	.0023380	.041357	.003312	.0003379
%RSD	.4913726	1.134611	.3289679	.4869366	7.196159	1.323385
#1	3.796730	.2203347	.7097572	8.482831	-.045855	.0255877
#2	3.831131	.2253920	.7089817	8.538828	-.042803	.0258391
#3	3.801135	.2228981	.7133628	8.458110	-.049420	.0251701

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3607-01 Acquired: 8/25/2024 21:47:34 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0393238	1.617536	3.945882	2.833902	F 24.65120	.0952557
Stddev	.0005379	.003891	.017821	.012098	.09559	.0061139
%RSD	1.367985	.2405467	.4516350	.4269158	.3877881	6.418391
#1	.0392629	1.619770	3.958620	2.834604	24.70961	.1018040
#2	.0388189	1.619796	3.953509	2.845633	24.70311	.0942660
#3	.0398896	1.613043	3.925516	2.821467	24.54088	.0896970

Elem	Sr4077
Units	ppm
Avg	.3969150
Stddev	.0007867
%RSD	.1981989
#1	.3970504
#2	.3960695
#3	.3976253

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4605.549	62181.85	5348.706	3553.273	6145.043
Stddev	15.406	203.98	26.527	13.783	21.794
%RSD	.3345127	.3280374	.4959601	.3878932	.3546531
#1	4599.804	62417.39	5362.575	3569.187	6136.040
#2	4593.840	62064.13	5365.424	3545.495	6129.194
#3	4623.002	62064.04	5318.119	3545.138	6169.896

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3617-07 Acquired: 8/25/2024 21:51:46 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1909427	.0256981	2.637854	-.030237	.0203683	100.6024
Stddev	.0015277	.0014008	.008575	.000867	.0029811	.5623
%RSD	.8000821	5.450929	.3250727	2.866338	14.63587	.5589653
#1	.1904868	.0266259	2.647708	-.030097	.0179648	100.3554
#2	.1896949	.0263816	2.633775	-.029449	.0237041	100.2058
#3	.1926465	.0240868	2.632081	-.031166	.0194360	101.2459

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.940682	.0258064	-.003680	59.68466	.3197503	.1209799
Stddev	.010263	.0002197	.000499	.20986	.0014827	.0001669
%RSD	.5288513	.8512268	13.57124	.3516094	.4636915	.1379894
#1	1.934734	.0256718	-.003890	59.55776	.3214408	.1211563
#2	1.934780	.0256875	-.004041	59.56932	.3186704	.1209591
#3	1.952533	.0260599	-.003110	59.92689	.3191398	.1208244

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.107047	642.9101	4.557401	39.39275	.3169114	.0200562
Stddev	.010469	5.8504	.020617	.17345	.0007970	.0011354
%RSD	.3369594	.9099868	.4523805	.4403086	.2514875	5.661028
#1	3.117526	646.1912	4.539424	39.27818	.3176335	.0198390
#2	3.096587	646.3836	4.552873	39.30777	.3160563	.0212846
#3	3.107028	636.1556	4.579905	39.59230	.3170444	.0190452

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5526598	.4617447	3.455204	13.16422	-.453304	.0180944
Stddev	.0159798	.0029879	.021888	.08254	.015604	.0003278
%RSD	2.891432	.6470880	.6334887	.6269919	3.442269	1.811732
#1	.5381099	.4650597	3.480413	13.25951	-.441258	.0182468
#2	.5501073	.4609154	3.441027	13.11822	-.447722	.0177181
#3	.5697622	.4592591	3.444173	13.11493	-.470931	.0183183

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3617-07 Acquired: 8/25/2024 21:51:46 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9940423	4.029941	9.946720	F 13.25422	5.742864	.0830135
Stddev	.0023711	.017041	.069830	.01332	.009872	.0024106
%RSD	.2385313	.4228697	.7020365	.1005068	.1718948	2.903871
#1	.9967734	4.018090	10.01926	13.26948	5.753091	.0857922
#2	.9928443	4.022262	9.87997	13.24824	5.742109	.0814830
#3	.9925092	4.049471	9.94093	13.24494	5.733391	.0817652

Elem	Sr4077
Units	ppm
Avg	-.456973
Stddev	.007015
%RSD	1.535156
#1	-.460958
#2	-.461088
#3	-.448873

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4729.109	70206.94	5741.615	3983.911	5928.230
Stddev	2.343	217.81	40.286	22.061	1.870
%RSD	.0495523	.3102334	.7016418	.5537562	.0315388
#1	4730.194	69956.02	5776.644	3958.732	5928.517
#2	4730.714	70317.61	5750.608	3999.851	5929.939
#3	4726.420	70347.19	5697.593	3993.150	5926.233

Sample Name: P3617-08 Acquired: 8/25/2024 21:56:02 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1222305	.0271484	14.43243	-.050203	.0095084	32.12872	2.205366
Stddev	.0004700	.0006607	.04875	.002480	.0012177	.05477	.005433
%RSD	.3845275	2.433457	.3378114	4.940913	12.80651	.1704819	.2463626
#1	.1227681	.0267435	14.37997	-.051070	.0083322	32.07358	2.200496
#2	.1218973	.0279108	14.44099	-.052134	.0107637	32.18312	2.204375
#3	.1220260	.0267910	14.47634	-.047405	.0094292	32.12947	2.211226

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0264498	-.005333	80.83597	.2619775	.0938684	.8272397	700.8924
Stddev	.0000866	.000387	.22804	.0011663	.0001429	.0073006	3.5825
%RSD	.3274412	7.264957	.2820985	.4451832	.1522445	.8825261	.5111274
#1	.0264422	-.005722	80.58754	.2632763	.0937831	.8188530	703.1252
#2	.0263673	-.004947	80.88460	.2616364	.0937886	.8321720	696.7602
#3	.0265400	-.005330	81.03577	.2610198	.0940333	.8306941	702.7917

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.957334	3.328343	.3777231	.0198602	1.050369	.2583435	7.388544
Stddev	.006552	.014299	.0015252	.0006097	.008732	.0027633	.009173
%RSD	.2215411	.4296204	.4037823	3.069944	.8313063	1.069643	.1241528
#1	2.949854	3.311958	.3761368	.0199756	1.060207	.2555711	7.391952
#2	2.960087	3.338298	.3778537	.0192010	1.047359	.2583617	7.395526
#3	2.962059	3.334773	.3791788	.0204039	1.043539	.2610977	7.378155

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.194988	-.457105	.0243906	4.661428	3.379550	4.946164	3.654204
Stddev	.049980	.006500	.0002674	.014204	.010015	.052560	.010557
%RSD	.8067802	1.421904	1.096454	.3047199	.2963413	1.062632	.2889099
#1	6.139561	-.452419	.0243731	4.645131	3.368435	4.971875	3.642290
#2	6.208778	-.464525	.0246663	4.667973	3.382346	4.885698	3.662396
#3	6.236625	-.454371	.0241323	4.671179	3.387871	4.980918	3.657926

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3617-08 Acquired: 8/25/2024 21:56:02 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	7.846062	.0476266	-.125023
Stddev	.012206	.0084318	.004637
%RSD	.1555692	17.70399	3.708629
#1	7.849640	.0404325	-.129940
#2	7.832467	.0569052	-.120730
#3	7.856080	.0455423	-.124400

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4681.875	66561.86	5448.134	3812.172	6172.561
Stddev	22.252	119.05	38.937	16.221	31.468
%RSD	.4752866	.1788563	.7146905	.4255054	.5098076
#1	4706.735	66580.54	5478.349	3822.387	6207.323
#2	4663.817	66434.58	5404.192	3793.468	6146.017
#3	4675.075	66670.47	5461.860	3820.662	6164.343

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3617-12 Acquired: 8/25/2024 22:00:18 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1711692	.0116254	6.700428	-.006236	.0148541	73.09694	3.620840
Stddev	.0014832	.0005778	.005425	.001033	.0010190	.24292	.017043
%RSD	.8665082	4.970373	.0809688	16.57299	6.860116	.3323244	.4706817
#1	.1718941	.0111493	6.702401	-.006941	.0149988	73.07130	3.610459
#2	.1721505	.0122683	6.694293	-.006716	.0157930	72.86785	3.611552
#3	.1694630	.0114586	6.704592	-.005049	.0137705	73.35166	3.640509

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0126658	.0176926	34.18681	.2287112	.0880542	1.151169	222.0704
Stddev	.0001294	.0002135	.12181	.0021135	.0001572	.002348	1.5296
%RSD	1.021275	1.206736	.3563108	.9240985	.1784793	.2039305	.6887870
#1	.0125902	.0174887	34.15489	.2301710	.0881576	1.149465	223.4591
#2	.0125919	.0176745	34.08414	.2296750	.0881317	1.150195	222.3212
#3	.0128151	.0179145	34.32141	.2262876	.0878733	1.153847	220.4310

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.866281	20.62275	.2388003	.0121382	.8328879	.3235752	6.835800
Stddev	.011308	.05105	.0002106	.0001883	.0073102	.0043990	.055395
%RSD	.3945239	.2475365	.0881827	1.551118	.8776934	1.359497	.8103727
#1	2.861521	20.56398	.2387091	.0121876	.8350467	.3249640	6.843600
#2	2.858131	20.65611	.2390411	.0122969	.8388756	.3271121	6.886882
#3	2.879191	20.64814	.2386507	.0119302	.8247414	.3186494	6.776918

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.012310	-.123405	.0231763	1.197715	3.618790	7.081912	8.297281
Stddev	.087830	.001601	.0003618	.003082	.011991	.052625	.017156
%RSD	.9745607	1.297082	1.560960	.2572966	.3313438	.7430865	.2067694
#1	9.111766	-.122071	.0229190	1.194807	3.611194	7.131388	8.293672
#2	8.945391	-.122963	.0230200	1.197394	3.612564	7.087727	8.282217
#3	8.979774	-.125179	.0235900	1.200945	3.632613	7.026622	8.315955

Sample Name: P3617-12 Acquired: 8/25/2024 22:00:18 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	3.772734	.0777844	.1258556
Stddev	.010000	.0057866	.0027480
%RSD	.2650702	7.439316	2.183484
#1	3.767335	.0711541	.1243161
#2	3.766594	.0803821	.1242225
#3	3.784274	.0818169	.1290283

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4673.856	66964.67	5520.410	3852.176	6127.178
Stddev	11.655	489.07	29.304	22.484	14.627
%RSD	.2493726	.7303336	.5308306	.5836651	.2387263
#1	4660.527	66455.86	5513.670	3837.118	6110.305
#2	4682.136	67006.91	5552.497	3841.389	6136.268
#3	4678.904	67431.25	5495.063	3878.021	6134.961

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3617-13 Acquired: 8/25/2024 22:04:28 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2323033	.0178043	7.205023	-.004325	.0562513	55.67226
Stddev	.0035503	.0003434	.043454	.002980	.0008136	.10678
%RSD	1.528317	1.928793	.6031129	68.92008	1.446287	.1918016
#1	.2363634	.0181697	7.237520	-.004409	.0571644	55.60196
#2	.2297819	.0174882	7.221884	-.007262	.0559863	55.61969
#3	.2307646	.0177552	7.155665	-.001303	.0556034	55.79514

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.490477	.0167550	.0233890	102.3997	.2382971	.1019054
Stddev	.015300	.0001024	.0006484	.1404	.0009718	.0005279
%RSD	.1802007	.6110354	2.772319	.1370722	.4078133	.5180727
#1	8.475839	.0168698	.0239070	102.3894	.2371775	.1023903
#2	8.489231	.0166731	.0235983	102.2648	.2387913	.1019830
#3	8.506362	.0167221	.0226618	102.5450	.2389224	.1013430

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.469394	346.9378	3.291227	12.06110	.2735984	.0443185
Stddev	.028757	1.3552	.001763	.04313	.0015566	.0006243
%RSD	.6434269	.3906098	.0535656	.3576246	.5689474	1.408553
#1	4.491362	345.7650	3.291189	12.06737	.2750890	.0435978
#2	4.479976	346.6271	3.289483	12.10076	.2737231	.0446935
#3	4.436846	348.4214	3.293008	12.01517	.2719832	.0446640

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.145461	.4501235	13.46169	8.559471	-.163781	.0629454
Stddev	.019000	.0123048	.05009	.044029	.002889	.0003252
%RSD	.8856041	2.733654	.3720589	.5143895	1.763756	.5166107
#1	2.123557	.4371235	13.40604	8.609173	-.166320	.0630067
#2	2.155323	.4615892	13.47587	8.525355	-.164383	.0632356
#3	2.157501	.4516577	13.50315	8.543886	-.160638	.0625939

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3617-13 Acquired: 8/25/2024 22:04:28 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.506026	2.219393	6.944235	F 15.16608	7.210993	.0929249
Stddev	.011472	.004021	.034470	.11686	.058622	.0066733
%RSD	.7617345	.1811773	.4963769	.7705209	.8129538	7.181414
#1	1.514835	2.218048	6.911736	15.26492	7.245588	.0864179
#2	1.510190	2.216217	6.940584	15.19621	7.244083	.0926040
#3	1.493054	2.223914	6.980384	15.03711	7.143308	.0997530

Elem	Sr4077
Units	ppm
Avg	.5775404
Stddev	.0001374
%RSD	.0237869
#1	.5776701
#2	.5773964
#3	.5775548

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4683.091	65122.70	5460.143	3739.200	6196.791
Stddev	28.102	143.45	18.193	7.650	37.245
%RSD	.6000782	.2202831	.3331969	.2045933	.6010373
#1	4654.850	65279.18	5448.407	3747.382	6160.511
#2	4683.369	64997.41	5450.921	3737.994	6194.931
#3	4711.052	65091.50	5481.100	3732.225	6234.931

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3634-01 Acquired: 8/25/2024 22:08:36 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0711507	.0084695	.2347173	-.012359	.0050520	74.78403	.3162602
Stddev	.0008192	.0010144	.0011271	.002516	.0007938	.02038	.0016417
%RSD	1.151408	11.97757	.4802106	20.35806	15.71293	.0272481	.5190900
#1	.0714527	.0095168	.2359867	-.015165	.0041612	74.78749	.3156901
#2	.0702233	.0084002	.2343314	-.010304	.0053105	74.80246	.3181110
#3	.0717760	.0074915	.2338337	-.011609	.0056844	74.76215	.3149796

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092806	-.003894	93.16988	.1711610	.0535265	.1463707	168.2396
Stddev	.0000056	.000037	.15368	.0008492	.0003867	.0004111	.6531
%RSD	.0600868	.9458762	.1649413	.4961256	.7224976	.2808681	.3881713
#1	.0092862	-.003852	93.30513	.1702353	.0539525	.1468125	167.6214
#2	.0092751	-.003910	93.20174	.1719038	.0531976	.1459995	168.9227
#3	.0092805	-.003919	93.00277	.1713440	.0534294	.1463000	168.1749

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.843979	33.73359	.0991140	.0055847	1.410067	.2526654	.3769766
Stddev	.001497	.08488	.0000929	.0008393	.015776	.0050967	.0005132
%RSD	.0811819	.2516310	.0937027	15.02913	1.118780	2.017174	.1361276
#1	1.844746	33.69053	.0991097	.0062796	1.392560	.2558297	.3765289
#2	1.844937	33.83138	.0990233	.0046521	1.423178	.2553806	.3775366
#3	1.842254	33.67887	.0992089	.0058223	1.414464	.2467860	.3768644

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.997860	-.067684	.0037329	.0014963	1.505021	8.495929	3.186944
Stddev	.020048	.001934	.0000764	.0004168	.002933	.037331	.001098
%RSD	.3342552	2.858073	2.045773	27.85624	.1948715	.4393950	.0344589
#1	5.979217	-.069884	.0036781	.0010503	1.508038	8.456620	3.188122
#2	6.019067	-.066252	.0038202	.0015625	1.502180	8.530902	3.186760
#3	5.995296	-.066916	.0037005	.0018760	1.504846	8.500264	3.185949

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3634-01 Acquired: 8/25/2024 22:08:36 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.354085	.0562918	-.035799
Stddev	.006197	.0031366	.000490
%RSD	.4576393	5.572082	1.369599
#1	1.352981	.0528672	-.035337
#2	1.360760	.0590252	-.036313
#3	1.348514	.0569829	-.035749

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4867.892	64692.82	5485.916	3707.664	6451.635
Stddev	3.980	356.06	12.767	20.990	5.902
%RSD	.0817613	.5503793	.2327198	.5661130	.0914863
#1	4863.462	64997.18	5487.165	3722.848	6444.968
#2	4869.049	64301.27	5472.571	3683.712	6453.745
#3	4871.166	64780.01	5498.012	3716.432	6456.193

Sample Name: P3637-01 Acquired: 8/25/2024 22:12:47 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0593384	.0242530	.4920987	-.028862	.0163121	165.5609
Stddev	.0014235	.0022634	.0003780	.001623	.0025399	.3708
%RSD	2.398891	9.332337	.0768201	5.622237	15.57033	.2239726
#1	.0601437	.0219571	.4921529	-.027197	.0148623	165.9461
#2	.0601767	.0243195	.4924467	-.030439	.0148292	165.2064
#3	.0576948	.0264824	.4916965	-.028950	.0192448	165.5301

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.011904	.0271430	-.005214	47.51476	.4168835	.2765947
Stddev	.003893	.0001193	.000187	.03004	.0002450	.0001673
%RSD	.3847529	.4394995	3.588905	.0632215	.0587786	.0604714
#1	1.016177	.0271651	-.005429	47.54920	.4171549	.2766429
#2	1.008557	.0270142	-.005088	47.50108	.4166785	.2764086
#3	1.010979	.0272497	-.005124	47.49399	.4168172	.2767326

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1959612	455.2153	8.993174	94.13670	.6069702	.0137943
Stddev	.0016417	1.8373	.019898	.21795	.0014007	.0004557
%RSD	.8377659	.4036016	.2212566	.2315207	.2307721	3.303649
#1	.1940671	457.0255	9.013395	94.38708	.6054732	.0135089
#2	.1968423	455.2683	8.973615	94.03347	.6082491	.0143198
#3	.1969743	453.3521	8.992511	93.98955	.6071882	.0135541

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.458967	.3759937	1.311186	25.17020	-.073539	.0058270
Stddev	.020491	.0074952	.005934	.02294	.005276	.0004805
%RSD	.4595361	1.993435	.4525410	.0911269	7.174699	8.245892
#1	4.465525	.3770295	1.307224	25.18404	-.070176	.0054025
#2	4.475376	.3680345	1.308326	25.18282	-.070820	.0063487
#3	4.436000	.3829171	1.318008	25.14372	-.079620	.0057299

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3637-01 Acquired: 8/25/2024 22:12:47 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0135745	4.090037	F 10.82681	8.097091	.7842170	.7005192
Stddev	.0004656	.011293	.03267	.016582	.0029066	.0057543
%RSD	3.430203	.2761096	.3017398	.2047936	.3706370	.8214363
#1	.0140708	4.100965	10.85978	8.109752	.7875646	.7000786
#2	.0135055	4.078411	10.82621	8.103202	.7823354	.6949978
#3	.0131472	4.090734	10.79445	8.078321	.7827508	.7064811

Elem	Sr4077
Units	ppm
Avg	-.237704
Stddev	.001457
%RSD	.6131534
#1	-.238828
#2	-.238228
#3	-.236057

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4978.975	70098.59	5888.575	4005.394	5893.295
Stddev	3.524	143.72	29.905	20.164	6.086
%RSD	.0707717	.2050295	.5078439	.5034143	.1032773
#1	4974.914	70184.68	5905.123	4023.939	5895.029
#2	4981.222	70178.43	5906.548	4008.313	5886.530
#3	4980.789	69932.67	5854.054	3983.930	5898.327

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3652-01 Acquired: 8/25/2024 22:16:56 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1529120	.0340912	20.08541	-.052091	.0085194	117.6569
Stddev	.0003790	.0008837	.02590	.001201	.0027744	.6745
%RSD	.2478356	2.592035	.1289255	2.304800	32.56584	.5733013
#1	.1525360	.0331757	20.07682	-.052193	.0078806	118.4239
#2	.1532939	.0349391	20.06490	-.053237	.0115575	117.1560
#3	.1529061	.0341589	20.11451	-.050842	.0061201	117.3907

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.019861	.1726139	-.016688	104.4266	.7173297	1.392623
Stddev	.030860	.0020041	.000561	.5145	.0013495	.002005
%RSD	.5126328	1.161025	3.362779	.4926778	.1881266	.1439865
#1	6.055401	.1746767	-.016750	105.0092	.7182245	1.392618
#2	6.004326	.1724905	-.016098	104.2357	.7179870	1.390620
#3	5.999855	.1706743	-.017215	104.0348	.7157774	1.394630

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.59415	795.8421	6.547085	50.13010	3.933404	.0275036
Stddev	.03866	5.1198	.037345	.21114	.005641	.0009958
%RSD	.1453546	.6433171	.5704070	.4211759	.1434073	3.620542
#1	26.55354	796.3002	6.590092	50.32309	3.931645	.0279573
#2	26.59839	790.5087	6.528319	50.16262	3.928853	.0263618
#3	26.63050	800.7175	6.522845	49.90459	3.939715	.0281918

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.14518	.2878621	F 63.39074	11.96228	.3276982	.3611420
Stddev	.09410	.0046621	1.19171	.11711	.0129995	.0003840
%RSD	.8443370	1.619557	1.879947	.9789927	3.966917	.1063297
#1	11.06388	.2855226	63.48693	11.87493	.3177490	.3615851
#2	11.12339	.2932307	62.15385	11.91655	.3229389	.3609060
#3	11.24827	.2848330	64.53145	12.09535	.3424066	.3609349

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3652-01 Acquired: 8/25/2024 22:16:56 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 12.61576	4.081637	F 113.3512	F 10.53829	F 11.37537	.1170961
Stddev	.01476	.023721	1.0086	.01873	.01178	.0072964
%RSD	.1169827	.5811696	.8898240	.1777659	.1035490	6.231098
#1	12.63199	4.108879	112.5191	10.55456	11.38891	.1253794
#2	12.60314	4.070492	113.0615	10.51781	11.36964	.1116212
#3	12.61217	4.065541	114.4729	10.54248	11.36755	.1142877

Elem	Sr4077
Units	ppm
Avg	-.183306
Stddev	.006148
%RSD	3.353777
#1	-.180299
#2	-.179240
#3	-.190378

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4547.291	62288.42	5145.382	3544.497	5943.768
Stddev	1.736	396.68	33.851	26.588	5.426
%RSD	.0381772	.6368474	.6578999	.7501107	.0912868
#1	4548.905	62538.55	5106.905	3552.112	5940.147
#2	4547.514	62495.67	5158.657	3566.445	5950.007
#3	4545.454	61831.04	5170.584	3514.932	5941.152

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3652-01DUP Acquired: 8/25/2024 22:21:28 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1546446	.0294359	20.46965	-.057928	.0111109	116.5921
Stddev	.0040502	.0008833	.09903	.002393	.0036539	.2475
%RSD	2.619045	3.000595	.4838066	4.130845	32.88602	.2123003
#1	.1563959	.0299960	20.55176	-.058066	.0130084	116.3113
#2	.1500134	.0298940	20.49753	-.055470	.0134258	116.7788
#3	.1575245	.0284177	20.35967	-.060249	.0068986	116.6861

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.021094	.1701486	-.014091	103.6309	.7079766	1.421626
Stddev	.014752	.0014892	.001020	.4394	.0034011	.003558
%RSD	.2450053	.8752264	7.240034	.4240293	.4803948	.2502948
#1	6.004065	.1684292	-.013075	103.3915	.7046279	1.425272
#2	6.029240	.1709920	-.015115	104.1381	.7078740	1.421442
#3	6.029977	.1710248	-.014083	103.3633	.7114277	1.418163

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.30508	779.4974	6.521057	49.99714	4.026236	.0249276
Stddev	.10162	8.1435	.021908	.22485	.014082	.0019004
%RSD	.3721522	1.044710	.3359653	.4497247	.3497577	7.623843
#1	27.40694	773.0314	6.509736	49.73752	4.040362	.0240050
#2	27.30460	788.6431	6.546309	50.12925	4.026147	.0271132
#3	27.20371	776.8178	6.507124	50.12465	4.012199	.0236645

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.75132	.2802757	F 60.59398	11.63479	.2913976	.3673814
Stddev	.04917	.0010339	.87888	.06046	.0053642	.0013673
%RSD	.4573177	.3688995	1.450435	.5196441	1.840842	.3721792
#1	10.76216	.2814186	60.38525	11.66743	.2917370	.3687920
#2	10.69764	.2794053	61.55843	11.56503	.2965841	.3672903
#3	10.79416	.2800030	59.83826	11.67192	.2858718	.3660620

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3652-01DUP Acquired: 8/25/2024 22:21:28 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 12.87691	4.059178	F 111.5521	F 10.87767	F 11.96207	.1135037
Stddev	.06892	.009272	.4896	.07310	.01766	.0085849
%RSD	.5352359	.2284189	.4389263	.6719816	.1476348	7.563568
#1	12.93538	4.057055	111.9638	10.94436	11.98145	.1036013
#2	12.89442	4.069328	111.0107	10.88913	11.94688	.1180579
#3	12.80092	4.051152	111.6817	10.79952	11.95789	.1188519

Elem	Sr4077
Units	ppm
Avg	-.167607
Stddev	.007109
%RSD	4.241374
#1	-.161781
#2	-.175528
#3	-.165513

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4503.517	65024.33	5281.030	3653.181	5878.731
Stddev	64.708	327.31	50.957	7.692	87.010
%RSD	1.436843	.5033657	.9649142	.2105520	1.480080
#1	4454.581	65333.19	5339.682	3661.625	5813.268
#2	4479.086	65058.54	5247.630	3646.574	5845.458
#3	4576.885	64681.26	5255.778	3651.343	5977.468

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: CCV04 Acquired: 8/25/2024 22:26:02 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.146477	5.050077	5.128896	5.217122	5.026615	9.796790
Stddev	.014531	.063245	.014991	.014549	.010917	.043493
%RSD	.2823580	1.252352	.2922945	.2788684	.2171806	.4439480
#1	5.142948	4.977259	5.137070	5.209032	5.033289	9.846971
#2	5.162448	5.091278	5.138023	5.233918	5.032540	9.773445
#3	5.134035	5.081696	5.111594	5.208417	5.014017	9.769955

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.07029	.2673963	2.561525	25.46206	1.023057	2.565316
Stddev	.01933	.0002783	.006940	.03446	.000852	.006976
%RSD	.1919301	.1040631	.2709331	.1353511	.0832644	.2719365
#1	10.07753	.2675429	2.564149	25.50185	1.023975	2.570437
#2	10.04839	.2675706	2.566770	25.44263	1.022901	2.568140
#3	10.08496	.2670754	2.553656	25.44170	1.022293	2.557370

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.267680	5.076171	2.529799	25.15608	2.530761	1.274034
Stddev	.004796	.021742	.003968	.08548	.006291	.000663
%RSD	.3783222	.4283129	.1568640	.3397824	.2485720	.0520618
#1	1.269606	5.081692	2.527143	25.13942	2.534373	1.274780
#2	1.271213	5.052200	2.527894	25.08017	2.534413	1.273511
#3	1.262220	5.094620	2.534361	25.24866	2.523497	1.273812

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.79551	2.505955	2.373790	24.50555	5.264833	4.984048
Stddev	.10769	.012498	.001445	.09890	.013943	.015117
%RSD	.4525566	.4987246	.0608663	.4035905	.2648354	.3033084
#1	23.84351	2.519519	2.372238	24.40261	5.276776	4.980213
#2	23.67217	2.494906	2.375096	24.51418	5.268212	5.000713
#3	23.87086	2.503440	2.374036	24.59985	5.249511	4.971217

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: CCV04 Acquired: 8/25/2024 22:26:02 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.129850	5.025228	4.990777	5.231476	5.116670	F 4.483937
Stddev	.010502	.007963	.025344	.013313	.020762	.008979
%RSD	.2047224	.1584592	.5078079	.2544797	.4057702	.2002379
#1	5.127674	5.029767	4.992298	5.221963	5.107117	4.491756
#2	5.141270	5.016033	4.964707	5.246690	5.140489	4.474132
#3	5.120607	5.029883	5.015326	5.225776	5.102405	4.485924

Elem	Sr4077
Units	ppm
Avg	5.037330
Stddev	.035124
%RSD	.6972792
#1	5.072870
#2	5.036484
#3	5.002637

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4541.855	64155.14	5263.492	3597.219	6465.557
Stddev	20.227	12.88	14.938	3.326	24.695
%RSD	.4453519	.0200819	.2837963	.0924716	.3819502
#1	4528.599	64145.84	5255.806	3595.251	6450.866
#2	4531.830	64149.73	5253.962	3595.346	6451.736
#3	4565.137	64169.85	5280.707	3601.060	6494.068

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: CCB04 Acquired: 8/25/2024 22:30:13 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016532	.0002816	-.000736	.0001092	-.003594	.0083309	.0018877
Stddev	.0026195	.0006836	.000969	.0027188	.000600	.0219159	.0012142
%RSD	158.4538	242.7107	131.7882	2490.444	16.68584	263.0680	64.32132
#1	.0024490	-.000365	-.001156	.0022324	-.004130	-.000390	.0009950
#2	-.001272	.000212	-.001424	.0010502	-.003707	-.007882	.0013978
#3	.003782	.000997	.000373	-.002955	-.002946	.033265	.0032703

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000468	-.000108	.0054798	-.000240	.0002132	-.000183	.0067595
Stddev	.0000534	.000031	.0039737	.000060	.0002452	.000248	.0096718
%RSD	114.2604	28.63305	72.51640	25.16070	114.9893	135.0688	143.0843
#1	.0000092	-.000093	.0020139	-.000192	-.000007	-.000425	.0171689
#2	.0000231	-.000087	.0046087	-.000220	.000477	-.000196	.0050588
#3	.0001079	-.000143	.0098168	-.000307	.000169	.000070	-.001949

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000040	-.017705	-.000147	.0003946	.0216590	-.000168	.0002589
Stddev	.000490	.009028	.000096	.0005906	.0215782	.003352	.0000546
%RSD	1216.625	50.99452	65.30245	149.6527	99.62676	1999.934	21.07916
#1	.000009	-.008007	-.000056	.0004109	-.003167	.003682	.0001960
#2	-.000553	-.025867	-.000138	-.000204	.032238	-.001747	.0002861
#3	.000424	-.019239	-.000247	.000977	.035906	-.002439	.0002945

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1779200	-.005456	.0000786	.0006319	-.002064	.0111852	-.004006
Stddev	.0284567	.000503	.0003023	.0002888	.000331	.0051434	.001030
%RSD	15.99409	9.223995	384.4918	45.69303	16.01883	45.98406	25.70665
#1	.1955288	-.004911	-.000144	.0006454	-.001685	.0057806	-.003477
#2	.1450900	-.005904	.000423	.0009137	-.002219	.0117550	-.005193
#3	.1931412	-.005552	-.000043	.0003367	-.002289	.0160200	-.003349

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: CCB04 Acquired: 8/25/2024 22:30:13 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.003635	-.006332	-.000303
Stddev	.001431	.003725	.000078
%RSD	39.37144	58.83094	25.89803
#1	-.003335	-.008503	-.000357
#2	-.002377	-.008462	-.000339
#3	-.005192	-.002031	-.000213

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4774.790	64460.62	5273.210	3697.112	7238.669
Stddev	17.784	350.44	17.413	23.443	25.869
%RSD	.3724478	.5436494	.3302120	.6340777	.3573714
#1	4757.227	64056.66	5284.994	3670.298	7210.386
#2	4774.359	64683.13	5281.427	3713.729	7244.491
#3	4792.786	64642.06	5253.209	3707.309	7261.131

Sample Name: P3652-01LX5 Acquired: 8/25/2024 22:34:33 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0365574	.0106947	4.039630	-.014488	.0008971	24.63682
Stddev	.0016006	.0016344	.006055	.001012	.0022246	.01639
%RSD	4.378389	15.28226	.1498821	6.988597	247.9841	.0665309
#1	.0356419	.0108586	4.038096	-.014440	.0029706	24.63477
#2	.0356246	.0122410	4.046304	-.013500	.0011733	24.65413
#3	.0384056	.0089845	4.034489	-.015523	-.001453	24.62155

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.272362	.0368986	-.004887	22.65416	.1571430	.2841857
Stddev	.000331	.0002352	.000214	.04059	.0013921	.0001941
%RSD	.0260525	.6375100	4.383789	.1791656	.8858760	.0682888
#1	1.272197	.0368003	-.005002	22.62200	.1574393	.2842001
#2	1.272145	.0371671	-.004640	22.64071	.1556266	.2843722
#3	1.272743	.0367285	-.005019	22.69976	.1583630	.2839848

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.923198	175.6901	1.437950	11.04095	.8053414	.0067087
Stddev	.002603	1.6173	.003871	.08874	.0004341	.0001942
%RSD	.0439477	.9205651	.2692105	.8037624	.0538971	2.894496
#1	5.924138	175.6074	1.433650	10.94567	.8052997	.0065069
#2	5.925201	174.1157	1.441158	11.05592	.8057948	.0067249
#3	5.920256	177.3472	1.439041	11.12125	.8049297	.0068943

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.364035	.0618259	25.66304	2.667184	.0924459	.0751914
Stddev	.028528	.0023974	.21819	.003078	.0033876	.0005780
%RSD	1.206739	3.877600	.8502114	.1154121	3.664425	.7686675
#1	2.374252	.0624953	25.90319	2.669946	.0894635	.0745306
#2	2.331806	.0638175	25.47698	2.667739	.0917450	.0754408
#3	2.386048	.0591650	25.60896	2.663865	.0961291	.0756028

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3652-01LX5 Acquired: 8/25/2024 22:34:33 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.584481	.8735228	F 23.87926	2.073446	2.294309	.0177119
Stddev	.002469	.0015894	.23479	.004171	.007270	.0040839
%RSD	.0955292	.1819490	.9832297	.2011627	.3168500	23.05734
#1	2.582075	.8734545	23.89027	2.074015	2.287169	.0187781
#2	2.584360	.8751452	23.63917	2.069020	2.294058	.0211570
#3	2.587008	.8719686	24.10836	2.077304	2.301701	.0132007

Elem	Sr4077
Units	ppm
Avg	-.044223
Stddev	.001609
%RSD	3.637549
#1	-.043842
#2	-.042840
#3	-.045989

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4739.168	65594.10	5424.593	3746.810	6774.111
Stddev	11.711	360.43	25.065	15.978	18.697
%RSD	.2471080	.5494899	.4620546	.4264482	.2760045
#1	4728.411	65426.51	5409.304	3730.146	6760.370
#2	4737.452	66007.81	5410.957	3762.001	6766.561
#3	4751.643	65347.98	5453.520	3748.282	6795.403

Sample Name: P3652-01MS Acquired: 8/25/2024 22:38:59 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9688626	1.983841	20.81176	1.927163	.7830910	114.9737
Stddev	.0051246	.034941	.20468	.024487	.0077984	.5545
%RSD	.5289349	1.761288	.9834809	1.270641	.9958438	.4822974
#1	.9663072	1.958717	20.71186	1.907319	.7765778	114.3370
#2	.9747625	2.023743	21.04720	1.954529	.7917326	115.3505
#3	.9655182	1.969062	20.67621	1.919641	.7809627	115.2337

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.140607	.3544497	.1904548	102.0645	1.070394	1.590554
Stddev	.026984	.0022004	.0025178	.3551	.005036	.016616
%RSD	.4394389	.6207850	1.322010	.3478773	.4704708	1.044653
#1	6.109581	.3521600	.1887999	101.6555	1.065588	1.584232
#2	6.158609	.3546407	.1933524	102.2446	1.075632	1.609403
#3	6.153630	.3565483	.1892122	102.2934	1.069963	1.578027

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.74696	796.5463	6.547722	49.97341	4.431577	.1046822
Stddev	.22843	3.6132	.031565	.35801	.044566	.0007188
%RSD	.8540434	.4536058	.4820746	.7164078	1.005639	.6866190
#1	26.60583	799.2184	6.511293	49.60466	4.406084	.1054906
#2	27.01051	797.9851	6.564915	50.31963	4.483036	.1044408
#3	26.62454	792.4354	6.566957	49.99593	4.405611	.1041153

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.95131	.5593621	F 56.56889	21.94581	.6433293	.7347031
Stddev	.05443	.0056754	.37377	.04237	.0046565	.0076285
%RSD	.3901272	1.014620	.6607361	.1930688	.7238056	1.038312
#1	14.00940	.5528920	56.90817	21.92700	.6434463	.7301061
#2	13.94302	.5616951	56.63028	21.91611	.6479262	.7435088
#3	13.90150	.5634991	56.16823	21.99433	.6386155	.7304942

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3652-01MS Acquired: 8/25/2024 22:38:59 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 13.13686	4.152996	F 116.3449	F 16.52102	F 11.78583	.2687482
Stddev	.13611	.019793	.2431	.19926	.13358	.0049200
%RSD	1.036126	.4766058	.2089825	1.206071	1.133373	1.830694
#1	13.08515	4.132997	116.3692	16.42551	11.69406	.2637283
#2	13.29125	4.153415	116.5750	16.75005	11.93908	.2689548
#3	13.03417	4.172577	116.0905	16.38750	11.72435	.2735617

Elem	Sr4077
Units	ppm
Avg	-.006565
Stddev	.006698
%RSD	102.0237
#1	-.013664
#2	-.005671
#3	-.000359

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4805.030	69234.15	5978.610	3855.482	6292.525
Stddev	26.667	77.12	32.978	14.164	46.067
%RSD	.5549714	.1113928	.5516024	.3673616	.7320901
#1	4805.628	69147.09	6015.845	3840.730	6293.488
#2	4778.069	69293.90	5966.902	3856.744	6245.984
#3	4831.392	69261.47	5953.084	3868.973	6338.103

Sample Name: P3652-01MSD Acquired: 8/25/2024 22:43:26 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.001036	1.996162	30.96437	1.946887	.8185786	146.9773
Stddev	.002706	.019532	.08746	.003544	.0033480	.2262
%RSD	.2703140	.9784784	.2824668	.1820309	.4090015	.1539200
#1	.998502	1.975196	30.95946	1.944835	.8192053	147.2198
#2	1.003886	1.999446	30.87946	1.944847	.8149616	146.7720
#3	1.000718	2.013843	31.05418	1.950979	.8215690	146.9400

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.438383	.3543279	.1984747	115.4759	1.123712	1.569977
Stddev	.009665	.0020171	.0015898	.1419	.002914	.004273
%RSD	.2177549	.5692642	.8010199	.1229074	.2593237	.2721411
#1	4.438381	.3521939	.1974437	115.6396	1.126698	1.571075
#2	4.428719	.3562030	.1976747	115.4002	1.123563	1.565263
#3	4.448049	.3545867	.2003056	115.3878	1.120876	1.573594

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	31.30097	830.0950	7.612757	50.42931	4.652097	.1068164
Stddev	.06420	9.1425	.003716	.10191	.012936	.0004193
%RSD	.2050915	1.101381	.0488154	.2020762	.2780590	.3925245
#1	31.27957	838.9757	7.615722	50.48946	4.647510	.1071470
#2	31.25020	830.5980	7.608588	50.48683	4.642080	.1069576
#3	31.37313	820.7114	7.613961	50.31165	4.666701	.1063448

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.77416	.6847657	F 50.67035	22.67530	.4365736	.6944594
Stddev	.08956	.0035467	1.03092	.09116	.0099128	.0026035
%RSD	.6502251	.5179379	2.034554	.4020066	2.270596	.3748985
#1	13.87211	.6865596	51.72583	22.77241	.4465466	.6946922
#2	13.69645	.6806805	50.61933	22.66191	.4364519	.6917473
#3	13.75392	.6870571	49.66590	22.59158	.4267221	.6969387

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3652-01MSD Acquired: 8/25/2024 22:43:26 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 17.22503	4.356151	F 110.9957	F 18.04946	F 13.21840	.3137024
Stddev	.05280	.010405	.6998	.03145	.05580	.0015071
%RSD	.3065450	.2388465	.6304947	.1742655	.4221176	.4804149
#1	17.19845	4.345604	111.8029	18.04223	13.17438	.3119804
#2	17.19080	4.356441	110.5600	18.02226	13.19967	.3143456
#3	17.28584	4.366407	110.6242	18.08390	13.28115	.3147811

Elem	Sr4077
Units	ppm
Avg	.0700488
Stddev	.0094835
%RSD	13.53843
#1	.0614019
#2	.0685534
#3	.0801912

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4860.114	74882.40	6292.463	4110.637	6129.455
Stddev	4.836	376.05	24.552	31.579	10.181
%RSD	.0995042	.5021832	.3901761	.7682182	.1660950
#1	4859.715	74657.13	6307.546	4103.039	6130.742
#2	4865.138	74673.55	6264.133	4083.550	6138.931
#3	4855.491	75316.52	6305.711	4145.321	6118.692

Sample Name: P3652-01A Acquired: 8/25/2024 22:47:56 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9950569	1.971251	30.82437	1.924577	.8138835	147.0608
Stddev	.0053960	.024719	.01794	.005949	.0018501	.2399
%RSD	.5422838	1.253979	.0582125	.3091176	.2273207	.1631365
#1	.9993437	1.999307	30.81142	1.927055	.8159072	146.8573
#2	.9968295	1.952673	30.81683	1.917790	.8134642	147.3253
#3	.9889976	1.961775	30.84485	1.928888	.8122790	146.9998

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.477393	.3480640	.1959576	116.2829	1.127014	1.568595
Stddev	.009855	.0017136	.0006933	.4048	.001506	.001075
%RSD	.2201094	.4923103	.3538053	.3481550	.1336613	.0685216
#1	4.466691	.3487501	.1967440	115.8529	1.125503	1.567569
#2	4.486095	.3493282	.1956940	116.6567	1.127023	1.569713
#3	4.479392	.3461137	.1954347	116.3392	1.128516	1.568503

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	30.98669	848.0700	7.653667	50.35026	4.629501	.1091610
Stddev	.03151	5.3301	.013551	.19563	.003735	.0008882
%RSD	.1016997	.6284925	.1770527	.3885384	.0806781	.8136581
#1	31.00073	841.9493	7.640297	50.47954	4.626025	.1082595
#2	30.95060	850.5718	7.667392	50.44604	4.629028	.1091883
#3	31.00874	851.6890	7.653310	50.12519	4.633450	.1100352

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.05491	.6832509	F 50.38370	23.11093	.4785407	.6944697
Stddev	.04149	.0009648	.50587	.13529	.0110139	.0017235
%RSD	.2951939	.1412054	1.004035	.5854089	2.301556	.2481757
#1	14.01769	.6842300	50.22730	22.97161	.4661417	.6952983
#2	14.04739	.6823011	50.94930	23.11938	.4822898	.6924884
#3	14.09964	.6832215	49.97451	23.24180	.4871906	.6956225

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3652-01A Acquired: 8/25/2024 22:47:56 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 17.11048	4.397400	F 113.7596	F 17.62919	F 12.96716	.3079014
Stddev	.01944	.012523	.4883	.03569	.04061	.0020690
%RSD	.1136396	.2847782	.4292177	.2024452	.3131891	.6719529
#1	17.13134	4.385858	113.2833	17.64567	12.99332	.3055376
#2	17.09287	4.410715	113.7364	17.58824	12.92037	.3087832
#3	17.10722	4.395626	114.2591	17.65367	12.98778	.3093833

Elem	Sr4077
Units	ppm
Avg	.0594191
Stddev	.0040136
%RSD	6.754754
#1	.0638517
#2	.0583747
#3	.0560310

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4987.817	75135.06	6463.033	4112.510	6287.517
Stddev	4.021	110.41	18.667	19.303	3.543
%RSD	.0806246	.1469482	.2888259	.4693800	.0563557
#1	4983.264	75202.54	6453.114	4106.833	6285.479
#2	4989.306	75195.00	6451.419	4096.683	6285.464
#3	4990.882	75007.65	6484.565	4134.016	6291.609

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3637-02 Acquired: 8/25/2024 22:52:25 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016531	-.001240	.0032545	-.001186	-.001640	.2052621	.2239680
Stddev	.0008028	.001256	.0003533	.001908	.000706	.0146956	.0022849
%RSD	48.56595	101.3121	10.85638	160.8625	43.03439	7.159414	1.020199
#1	.0025784	-.002625	.0034101	-.003026	-.000962	.1924917	.2221631
#2	.0011422	-.000923	.0035033	-.001317	-.001587	.2019701	.2232039
#3	.0012386	-.000173	.0028501	.000784	-.002370	.2213244	.2265371

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007165	.0007697	15.91545	.0018627	.0003983	.0150447	.0680720
Stddev	.0000375	.0000601	.10801	.0006056	.0000213	.0000718	.0030229
%RSD	5.232026	7.812012	.6786281	32.51193	5.349476	.4770297	4.440761
#1	.0006733	.0008146	15.81616	.0020567	.0003802	.0149678	.0669371
#2	.0007370	.0007014	15.89972	.0011839	.0004218	.0150566	.0657808
#3	.0007393	.0007931	16.03045	.0023475	.0003931	.0151098	.0714982

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1800643	4.620286	.0071682	.0004256	494.4690	.0000189	.0957435
Stddev	.0012598	.036061	.0001787	.0003734	2.1102	.0039649	.0008083
%RSD	.6996355	.7805034	2.493461	87.74611	.4267583	20974.33	.8442100
#1	.1796456	4.620195	.0073139	.0004165	493.1445	-.003954	.0963642
#2	.1790672	4.584270	.0069688	.0000568	496.9024	.003976	.0960367
#3	.1814802	4.656393	.0072218	.0008035	493.3600	.000034	.0948295

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.101162	.0125534	.0000035	-.004611	-.004067	1.252304	.0365081
Stddev	.050950	.0000697	.0003080	.001015	.000176	.002904	.0022342
%RSD	1.642923	.5553397	8866.506	22.01376	4.334014	.2318825	6.119826
#1	3.122238	.0124744	-.000342	-.004746	-.003869	1.255635	.0380449
#2	3.138192	.0125796	.000250	-.005552	-.004129	1.250301	.0339451
#3	3.043056	.0126062	.000102	-.003536	-.004205	1.250978	.0375343

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3637-02 Acquired: 8/25/2024 22:52:25 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4464777	-.006427	.0710831
Stddev	.0016097	.004156	.0004398
%RSD	.3605247	64.67244	.6186535
#1	.4446208	-.011024	.0706654
#2	.4474764	-.002934	.0710419
#3	.4473359	-.005322	.0715420

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4564.359	67340.39	6131.369	3776.780	6288.012
Stddev	35.337	156.42	55.837	14.498	47.712
%RSD	.7741965	.2322818	.9106793	.3838814	.7587707
#1	4573.099	67389.73	6185.698	3779.557	6300.253
#2	4594.506	67165.25	6134.274	3761.094	6328.410
#3	4525.472	67466.19	6074.137	3789.689	6235.372

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3637-02DUP Acquired: 8/25/2024 22:56:53 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009476	-.000603	.0046999	.0013567	-.002436	.2159767	.2287580
Stddev	.0029485	.000519	.0012083	.0030231	.000892	.0153786	.0018326
%RSD	311.1754	86.19087	25.70979	222.8227	36.61928	7.120504	.8011115
#1	-.001678	-.000045	.0044508	-.001455	-.003361	.2081858	.2292977
#2	.000383	-.001073	.0036356	.000971	-.001581	.2060527	.2267161
#3	.004137	-.000690	.0060134	.004554	-.002366	.2336917	.2302601

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007865	.0007290	16.18607	.0015086	.0003723	.0155697	.0722766
Stddev	.0000318	.0000508	.06654	.0003054	.0000975	.0002723	.0028021
%RSD	4.041295	6.962764	.4110896	20.24079	26.18753	1.749044	3.876915
#1	.0007597	.0007348	16.23615	.0012132	.0003743	.0155102	.0691689
#2	.0007783	.0006755	16.11057	.0014896	.0002739	.0158669	.0746105
#3	.0008216	.0007765	16.21149	.0018230	.0004689	.0153321	.0730503

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1825904	4.694957	.0074305	.0001288	487.7823	-.002199	.0965291
Stddev	.0005881	.029237	.0001010	.0003756	11.7237	.003113	.0000951
%RSD	.3220848	.6227381	1.359460	291.6218	2.403465	141.5583	.0985012
#1	.1819214	4.693789	.0073257	-.000259	498.8956	-.005385	.0966251
#2	.1830260	4.666321	.0074385	.000155	475.5312	.000837	.0965272
#3	.1828238	4.724761	.0075273	.000490	488.9202	-.002051	.0964350

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.132165	.0126125	.0000879	-.004130	-.002728	1.194875	.0381258
Stddev	.052280	.0002123	.0001529	.000815	.001028	.007057	.0010466
%RSD	1.669124	1.682998	173.8721	19.73475	37.67515	.5905961	2.745066
#1	3.128966	.0128222	.0000080	-.003726	-.001948	1.202631	.0382286
#2	3.185971	.0126175	.0002642	-.003597	-.003892	1.188833	.0391172
#3	3.081559	.0123977	-.000008	-.005069	-.002342	1.193161	.0370316

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3637-02DUP Acquired: 8/25/2024 22:56:53 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4478240	-.007796	.0715010
Stddev	.0036582	.002600	.0002761
%RSD	.8168872	33.34768	.3861114
#1	.4436285	-.005875	.0717968
#2	.4503470	-.010755	.0712503
#3	.4494964	-.006759	.0714558

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4438.014	65905.75	5845.369	3700.528	6115.645
Stddev	20.279	346.70	49.986	23.338	24.643
%RSD	.4569288	.5260547	.8551367	.6306777	.4029528
#1	4451.665	65862.70	5865.474	3699.905	6131.654
#2	4447.664	66271.96	5882.173	3724.172	6128.012
#3	4414.712	65582.58	5788.461	3677.508	6087.267

Sample Name: P3637-02LX5 Acquired: 8/25/2024 23:01:20 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009365	-.000178	-.000028	-.000800	-.002030	.0587101	.0522629
Stddev	.0030114	.000433	.000274	.001295	.000106	.0128795	.0015723
%RSD	321.5601	243.5856	970.6191	161.8275	5.217764	21.93753	3.008487
#1	.0039656	-.000102	.000287	-.001535	-.001909	.0722232	.0537161
#2	-.002057	-.000644	-.000211	-.001561	-.002071	.0465750	.0524789
#3	.000901	.000212	-.000160	.000695	-.002109	.0573320	.0505938

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001983	.0001130	3.653580	.0003179	.0000489	.0033392	.0211385
Stddev	.0000272	.0000148	.044785	.0004100	.0001476	.0001922	.0077038
%RSD	13.73642	13.12312	1.225789	128.9724	301.6703	5.756945	36.44463
#1	.0001724	.0000960	3.703276	.0007103	-.000019	.0033387	.0246138
#2	.0001959	.0001231	3.641119	-.000108	-.000052	.0031472	.0123092
#3	.0002267	.0001198	3.616345	.000351	.000218	.0035317	.0264924

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0409591	1.051230	.0012748	.0006729	108.7718	-.001144	.0178970
Stddev	.0009920	.016338	.0001241	.0001987	1.5023	.002209	.0002701
%RSD	2.422030	1.554181	9.737859	29.53524	1.381133	193.1564	1.509214
#1	.0411841	1.032414	.0012061	.0004520	107.1322	.001321	.0180362
#2	.0398739	1.061817	.0012002	.0008373	109.1011	-.002944	.0180691
#3	.0418193	1.059460	.0014181	.0007293	110.0822	-.001808	.0175857

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.193586	-.006522	-.000390	.0030421	-.003293	.2403027	.0022818
Stddev	.053834	.000461	.000266	.0000337	.001705	.0027434	.0018594
%RSD	4.510313	7.071290	68.01851	1.106523	51.79412	1.141633	81.49090
#1	1.134337	-.007055	-.000340	.0030265	-.003625	.2408923	.0005716
#2	1.239499	-.006256	-.000678	.0030807	-.001446	.2427033	.0020125
#3	1.206922	-.006256	-.000154	.0030190	-.004808	.2373124	.0042611

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3637-02LX5 Acquired: 8/25/2024 23:01:20 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0862158	-.004403	.0157269
Stddev	.0015159	.003355	.0000290
%RSD	1.758216	76.19824	.1845580
#1	.0849694	-.001659	.0157437
#2	.0879033	-.008142	.0156934
#3	.0857748	-.003407	.0157435

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4774.309	68946.07	5765.684	3873.721	6761.136
Stddev	16.534	273.61	60.484	17.021	23.616
%RSD	.3463214	.3968513	1.049030	.4393907	.3492875
#1	4791.067	69261.73	5701.235	3884.575	6786.782
#2	4773.853	68799.77	5774.606	3882.484	6756.339
#3	4758.007	68776.72	5821.211	3854.104	6740.287

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3637-02MS Acquired: 8/25/2024 23:05:41 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9274349	2.006445	1.071798	2.291796	.8356881	2.168655	.4284682
Stddev	.0036962	.013548	.000994	.007649	.0038598	.021594	.0011677
%RSD	.3985356	.6752251	.0927142	.3337359	.4618675	.9957332	.2725198
#1	.9231678	1.999735	1.072664	2.283511	.8314702	2.145380	.4271430
#2	.9294941	2.022039	1.070713	2.293286	.8365501	2.172546	.4293458
#3	.9296428	1.997562	1.072018	2.298589	.8390440	2.188039	.4289159

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2054024	.2176626	16.93737	.4298687	.2219896	.3288057	3.595833
Stddev	.0013124	.0002058	.04256	.0007965	.0002147	.0008198	.032189
%RSD	.6389388	.0945421	.2512582	.1852853	.0966978	.2493312	.8951659
#1	.2057716	.2174329	16.97477	.4306238	.2217580	.3279924	3.618891
#2	.2064907	.2178303	16.94628	.4290364	.2221819	.3287929	3.559058
#3	.2039450	.2177245	16.89106	.4299460	.2220288	.3296319	3.609551

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3874814	6.634443	.5494343	.0802533	497.6612	.3135796	.3206794
Stddev	.0006622	.036630	.0003683	.0007548	1.7092	.0045231	.0005382
%RSD	.1709098	.5521226	.0670261	.9405496	.3434561	1.442401	.1678237
#1	.3871798	6.649648	.5491444	.0803035	499.4636	.3187946	.3204902
#2	.3882408	6.661022	.5493099	.0794746	496.0636	.3112209	.3202614
#3	.3870237	6.592659	.5498487	.0809817	497.4562	.3107235	.3212866

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.97255	.2785976	.4115204	.7390855	.1989774	1.945707	6.819157
Stddev	.08015	.0022323	.0014374	.0004143	.0013394	.018247	.015779
%RSD	.5352822	.8012702	.3492907	.0560612	.6731268	.9378220	.2313923
#1	14.91850	.2810844	.4103878	.7390907	.2004276	1.947853	6.825118
#2	14.93452	.2779416	.4110359	.7394972	.1987176	1.926482	6.831087
#3	15.06463	.2767667	.4131374	.7386685	.1977869	1.962787	6.801266

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3637-02MS Acquired: 8/25/2024 23:05:41 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4138516	.1605790	.2685447
Stddev	.0004013	.0044077	.0001488
%RSD	.0969702	2.744892	.0554160
#1	.4134249	.1554894	.2686448
#2	.4139083	.1631352	.2686155
#3	.4142215	.1631123	.2683737

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4635.184	64269.79	5942.960	3654.887	6389.279
Stddev	5.671	211.04	28.597	15.168	11.341
%RSD	.1223361	.3283590	.4811921	.4149946	.1775031
#1	4628.637	64076.30	5921.711	3640.919	6377.237
#2	4638.380	64494.82	5931.694	3671.021	6390.843
#3	4638.535	64238.24	5975.474	3652.722	6399.757

Sample Name: P3637-02MSD Acquired: 8/25/2024 23:09:57 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9109506	1.985136	1.044553	2.263394	.8315751	2.170121	.4251665
Stddev	.0034359	.017284	.003453	.012565	.0024496	.022430	.0008428
%RSD	.3771821	.8706790	.3305991	.5551352	.2945789	1.033596	.1982232
#1	.9079360	1.965256	1.041406	2.252507	.8289834	2.175486	.4242553
#2	.9102242	1.993548	1.044005	2.260531	.8338524	2.189382	.4253264
#3	.9146917	1.996604	1.048247	2.277143	.8318893	2.145495	.4259179

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2061343	.2123828	16.91328	.4189502	.2169117	.3217496	3.505312
Stddev	.0016212	.0004156	.09913	.0002413	.0006972	.0016179	.021340
%RSD	.7864790	.1956769	.5861172	.0575944	.3214241	.5028453	.6087847
#1	.2079720	.2122537	16.97369	.4186827	.2165786	.3215526	3.493378
#2	.2049064	.2120471	16.96728	.4191514	.2164435	.3202392	3.529949
#3	.2055246	.2128477	16.79887	.4190165	.2177129	.3234570	3.492610

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3852929	6.584553	.5366885	.0801447	500.4522	.3033205	.3194642
Stddev	.0007302	.039546	.0006856	.0003779	1.7975	.0026279	.0005574
%RSD	.1895143	.6005873	.1277532	.4714570	.3591738	.8663736	.1744853
#1	.3855318	6.625423	.5366372	.0802492	502.3910	.3043497	.3200650
#2	.3858738	6.546479	.5360299	.0804593	500.1243	.3003338	.3193640
#3	.3844732	6.581758	.5373983	.0797256	498.8412	.3052780	.3189637

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.85108	.2807350	.4081262	.7253979	.1984253	1.926204	6.575040
Stddev	.12908	.0015717	.0013542	.0017522	.0013432	.006363	.005085
%RSD	.8691678	.5598549	.3318148	.2415573	.6769145	.3303363	.0773454
#1	14.76060	.2824192	.4066156	.7249609	.1969808	1.923052	6.569658
#2	14.99889	.2793074	.4085315	.7239055	.1986584	1.922032	6.575697
#3	14.79375	.2804783	.4092315	.7273272	.1996366	1.933527	6.579765

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3637-02MSD Acquired: 8/25/2024 23:09:57 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4041668	.1651817	.2658194
Stddev	.0014310	.0056892	.0013310
%RSD	.3540647	3.444230	.5007015
#1	.4030218	.1634180	.2668203
#2	.4037076	.1715439	.2663290
#3	.4057711	.1605832	.2643089

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4782.914	66673.47	6073.601	3752.459	6625.387
Stddev	3.810	333.82	56.042	10.476	6.363
%RSD	.0796668	.5006753	.9227224	.2791699	.0960333
#1	4785.154	66469.52	6011.249	3744.862	6628.477
#2	4785.074	66492.19	6089.784	3748.105	6629.615
#3	4778.514	67058.71	6119.773	3764.410	6618.070

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3637-02A Acquired: 8/25/2024 23:14:13 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8791841	1.885200	1.016416	2.174937	.8125485	2.121470	.4214452
Stddev	.0030788	.004284	.002124	.007227	.0034048	.025153	.0014058
%RSD	.3501891	.2272173	.2090074	.3322865	.4190226	1.185654	.3335769
#1	.8759161	1.883475	1.015079	2.167564	.8099909	2.141422	.4229366
#2	.8796062	1.882048	1.015303	2.175239	.8112415	2.093215	.4201444
#3	.8820301	1.890077	1.018865	2.182009	.8164131	2.129774	.4212545

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2030877	.2063268	16.92004	.4113279	.2100243	.3127466	3.408442
Stddev	.0006475	.0006857	.04329	.0007088	.0003894	.0015695	.014803
%RSD	.3188185	.3323127	.2558500	.1723260	.1854260	.5018533	.4342926
#1	.2038311	.2058940	16.96633	.4118658	.2097591	.3111713	3.392214
#2	.2026473	.2059691	16.88055	.4115932	.2098424	.3127581	3.411907
#3	.2027847	.2071174	16.91324	.4105247	.2104715	.3143103	3.421204

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3816235	6.597709	.5214254	.0771883	492.7859	.3013129	.3143104
Stddev	.0009826	.042224	.0009022	.0005870	1.8727	.0022419	.0004822
%RSD	.2574650	.6399729	.1730238	.7604282	.3800190	.7440401	.1534091
#1	.3825790	6.615077	.5204438	.0777561	490.9234	.2997738	.3137642
#2	.3816756	6.628478	.5216141	.0772248	492.7657	.3038851	.3146770
#3	.3806160	6.549571	.5222184	.0765839	494.6686	.3002800	.3144900

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.41781	.2764772	.4019507	.7123911	.1958549	1.911484	6.322823
Stddev	.15914	.0013272	.0014582	.0021958	.0021379	.022028	.029946
%RSD	1.103798	.4800397	.3627856	.3082282	1.091558	1.152398	.4736123
#1	14.23695	.2779791	.4006933	.7110789	.1982040	1.908082	6.298359
#2	14.48008	.2759901	.4016096	.7111684	.1940232	1.935015	6.313893
#3	14.53642	.2754623	.4035493	.7149261	.1953375	1.891355	6.356218

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3637-02A Acquired: 8/25/2024 23:14:13 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.3970324	.1622200	.2609544
Stddev	.0012943	.0039180	.0001068
%RSD	.3259959	2.415216	.0409415
#1	.3972987	.1631329	.2610594
#2	.3981729	.1656008	.2609579
#3	.3956257	.1579261	.2608458

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4794.605	64849.96	5865.475	3672.328	6650.502
Stddev	16.071	144.77	21.808	10.564	15.116
%RSD	.3351844	.2232327	.3718061	.2876647	.2272946
#1	4809.968	64952.72	5843.177	3682.900	6662.874
#2	4795.939	64912.76	5886.758	3672.312	6654.980
#3	4777.910	64684.39	5866.489	3661.772	6633.653

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: CCV05 Acquired: 8/25/2024 23:28:57 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.098837	4.855700	5.009072	5.182062	5.018240	9.618581
Stddev	.001459	.021709	.008768	.011000	.010121	.073710
%RSD	.0286211	.4470895	.1750392	.2122770	.2016868	.7663288
#1	5.100346	4.844953	5.013158	5.169468	5.006576	9.702526
#2	5.097434	4.880687	4.999007	5.186929	5.024717	9.588778
#3	5.098730	4.841461	5.015052	5.189790	5.023425	9.564439

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.02147	.2571484	2.505953	25.06282	1.010907	2.520544
Stddev	.06164	.0021584	.005390	.18292	.001753	.006896
%RSD	.6151058	.8393717	.2150847	.7298548	.1733617	.2735778
#1	10.08568	.2593653	2.509762	25.27032	1.012498	2.527781
#2	10.01598	.2570262	2.499786	24.99328	1.011194	2.514050
#3	9.96276	.2550536	2.508312	24.92487	1.009028	2.519802

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.241103	5.212884	2.504912	24.76828	2.480599	1.269284
Stddev	.000719	.027811	.020188	.29036	.005310	.000663
%RSD	.0579673	.5335105	.8059246	1.172299	.2140614	.0522188
#1	1.241896	5.203954	2.526146	25.08448	2.481188	1.268540
#2	1.240493	5.190634	2.502624	24.70675	2.475019	1.269504
#3	1.240918	5.244063	2.485965	24.51362	2.485589	1.269810

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.42892	2.495721	2.412432	25.12752	5.085198	4.920053
Stddev	.08313	.020372	.004718	.10253	.053443	.003292
%RSD	.3403129	.8162871	.1955751	.4080550	1.050951	.0669020
#1	24.36273	2.518523	2.417824	25.02403	5.136301	4.922224
#2	24.40181	2.489330	2.410408	25.12948	5.089605	4.921669
#3	24.52223	2.479311	2.409063	25.22907	5.029688	4.916266

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: CCV05 Acquired: 8/25/2024 23:28:57 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.994331	4.998007	5.184855	4.985804	5.084972	F 4.342379
Stddev	.010873	.029480	.048576	.001597	.009811	.026035
%RSD	.2177003	.5898408	.9368878	.0320342	.1929415	.5995566
#1	5.001974	5.029221	5.145554	4.984165	5.076580	4.370982
#2	4.981884	4.994164	5.169846	4.987356	5.082577	4.336092
#3	4.999135	4.970637	5.239164	4.985890	5.095758	4.320063

Elem	Sr4077
Units	ppm
Avg	5.030729
Stddev	.067263
%RSD	1.337040
#1	5.021056
#2	5.102305
#3	4.968826

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4962.990	68445.28	5852.552	3839.821	7093.694
Stddev	22.682	263.49	67.363	8.308	36.925
%RSD	.4570184	.3849589	1.150997	.2163611	.5205373
#1	4936.994	68210.53	5778.095	3835.256	7053.607
#2	4978.746	68730.27	5870.290	3849.410	7126.318
#3	4973.231	68395.04	5909.271	3834.796	7101.156

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: CCB05 Acquired: 8/25/2024 23:33:09 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015417	.0005147	-.000893	.0000767	-.002371	.0161314	-.000351
Stddev	.0007455	.0012942	.000884	.0012317	.000825	.0176155	.000775
%RSD	48.35720	251.4351	98.99631	1605.341	34.77689	109.1999	220.6899
#1	.0016430	.0001105	-.001865	-.000146	-.001793	.0313624	-.000830
#2	.0007507	-.000529	-.000137	-.001028	-.002006	.0201914	-.000767
#3	.0022314	.001963	-.000677	.001405	-.003316	-.003160	.000543

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000721	-.000141	.0046585	-.000071	-.000012	-.000049	.0043921
Stddev	.0000084	.000087	.0087127	.000492	.000307	.000282	.0041352
%RSD	11.64160	61.46495	187.0273	696.3633	2672.779	580.6880	94.15197
#1	.0000790	-.000116	-.003450	.000238	-.000137	.000107	.0041084
#2	.0000627	-.000070	.003554	-.000638	.000339	-.000374	.0086618
#3	.0000744	-.000237	.013871	.000189	-.000236	.000121	.0004060

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003913	-.004605	-.000266	.0007499	.1341990	-.001388	-.000533
Stddev	.0003036	.013794	.000146	.0001532	.0333988	.000825	.000176
%RSD	77.58957	299.5241	54.91169	20.43311	24.88750	59.40283	33.03390
#1	.0007265	-.005320	-.000431	.0009204	.0956345	-.002163	-.000437
#2	.0003127	.009532	-.000154	.0007054	.1532273	-.001479	-.000426
#3	.0001347	-.018027	-.000213	.0006238	.1537351	-.000522	-.000737

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3992348	-.003677	-.000230	.0004666	-.003121	-.002244	.0003758
Stddev	.0333907	.000712	.000270	.0003437	.001950	.010299	.0004765
%RSD	8.363662	19.34956	117.3699	73.67576	62.49150	458.9418	126.8036
#1	.4126824	-.003426	-.000447	.0007477	-.002833	-.002375	.0003243
#2	.4238050	-.003125	-.000314	.0000834	-.005198	.008120	-.000073
#3	.3612172	-.004480	.000072	.0005686	-.001330	-.012477	.000876

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: CCB05 Acquired: 8/25/2024 23:33:09 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB05 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.003828	-.003449	-.000223
Stddev	.001407	.002237	.000065
%RSD	36.74451	64.86450	29.28602
#1	-.004206	-.004820	-.000273
#2	-.005008	-.000867	-.000149
#3	-.002271	-.004660	-.000246

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4880.090	70659.53	5970.885	3980.169	7268.808
Stddev	8.807	289.04	24.354	24.269	19.379
%RSD	.1804589	.4090589	.4078782	.6097413	.2666041
#1	4875.258	70779.40	5966.570	3989.203	7249.847
#2	4890.254	70869.35	5997.109	3998.625	7288.579
#3	4874.756	70329.84	5948.978	3952.679	7267.998

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3652-03 Acquired: 8/25/2024 23:37:30 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017760	-.000452	.9568736	.0010280	.0012933	.2169443	.7142372
Stddev	.0006554	.000956	.0064170	.0008837	.0015965	.0149032	.0023027
%RSD	36.90366	211.4313	.6706190	85.96263	123.4415	6.869590	.3223998
#1	.0019642	.000608	.9620017	.0002795	-.000109	.2015874	.7136846
#2	.0023167	-.000715	.9589414	.0020029	.003031	.2178976	.7122610
#3	.0010471	-.001250	.9496776	.0008017	.000959	.2313480	.7167659

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002472	.0047766	118.5992	.0038278	.0170858	3.849338	.2467457
Stddev	.0000341	.0000776	.5768	.0002083	.0003421	.017808	.0020563
%RSD	13.80866	1.624741	.4863462	5.441555	2.002482	.4626219	.8333808
#1	.0002275	.0047078	118.5278	.0039921	.0173311	3.861583	.2467391
#2	.0002275	.0048607	118.0614	.0035936	.0172313	3.857523	.2446927
#3	.0002866	.0047614	119.2084	.0038979	.0166950	3.828910	.2488053

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3597011	2.942131	.3268061	.0002984	588.6417	.0005510	3.380882
Stddev	.0020123	.007721	.0020044	.0002409	3.7626	.0045739	.010859
%RSD	.5594221	.2624350	.6133178	80.74607	.6392080	830.0462	.3211765
#1	.3602331	2.940602	.3280411	.0001799	585.8010	-.000934	3.379272
#2	.3574763	2.950503	.3278838	.0005756	592.9091	.005683	3.392456
#3	.3613939	2.935290	.3244934	.0001397	587.2151	-.003096	3.370919

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.809467	.0650959	-.000442	-.002149	-.004914	3.735230	.2009581
Stddev	.023156	.0001950	.000489	.000337	.000727	.031009	.0023252
%RSD	.3400528	.2994748	110.5406	15.68965	14.78521	.8301726	1.157078
#1	6.834447	.0651382	-.000728	-.002509	-.004891	3.741378	.1983368
#2	6.788718	.0648833	-.000722	-.001840	-.005652	3.762704	.2027720
#3	6.805237	.0652662	.000122	-.002099	-.004200	3.701607	.2017656

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3652-03 Acquired: 8/25/2024 23:37:30 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.571424	.0143287	.5766138
Stddev	.019315	.0034356	.0015108
%RSD	.7511432	23.97712	.2620054
#1	2.572920	.0149829	.5770455
#2	2.589947	.0106131	.5749341
#3	2.551404	.0173902	.5778617

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4447.262	66113.82	5831.287	3712.171	6106.570
Stddev	20.974	228.00	28.890	16.804	36.114
%RSD	.4716089	.3448589	.4954334	.4526787	.5913951
#1	4434.340	66091.83	5853.235	3717.575	6087.845
#2	4435.984	65897.62	5842.069	3693.329	6083.664
#3	4471.462	66352.02	5798.556	3725.608	6148.201

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3609-01 Acquired: 8/25/2024 23:41:55 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044227	-.000816	.0080318	-.000014	-.001270	.2527531	.1276925
Stddev	.0002269	.001023	.0005648	.000965	.001347	.0321890	.0002442
%RSD	5.131203	125.4600	7.031448	6723.600	106.0351	12.73536	.1912669
#1	.0041863	-.001547	.0084828	-.000805	.000284	.2166409	.1275725
#2	.0044429	-.001253	.0082142	-.000299	-.002092	.2631892	.1279735
#3	.0046388	.000354	.0073984	.001061	-.002003	.2784292	.1275315

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000137	-.000291	40.99682	.0742892	.0016574	.0126929	7.498248
Stddev	.0000389	.000066	.12228	.0004966	.0001618	.0000446	.053935
%RSD	285.1155	22.57818	.2982666	.6684137	9.763095	.3513446	.7192993
#1	.0000172	-.000316	40.91931	.0742116	.0015015	.0127154	7.552878
#2	.0000507	-.000341	41.13778	.0738360	.0016463	.0127218	7.445036
#3	-.000027	-.000217	40.93336	.0748200	.0018245	.0126415	7.496831

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9618685	6.795761	.0148575	.0006544	130.3516	.0021023	.1045055
Stddev	.0029264	.055291	.0001843	.0002557	.8763	.0027612	.0005695
%RSD	.3042440	.8136143	1.240110	39.07159	.6722872	131.3388	.5449154
#1	.9619212	6.775399	.0150421	.0003888	131.2623	-.000487	.1050657
#2	.9647683	6.753538	.0146736	.0006755	129.5142	.001785	.1039272
#3	.9589161	6.858346	.0148568	.0008989	130.2784	.005008	.1045234

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.223807	.1223262	.0012947	-.003052	.0005607	4.333753	.0936923
Stddev	.100125	.0012887	.0000984	.000599	.0012888	.037986	.0012698
%RSD	1.916704	1.053471	7.597081	19.62670	229.8469	.8765132	1.355295
#1	5.337626	.1233801	.0013173	-.003005	.0001252	4.372178	.0946360
#2	5.149320	.1227091	.0011870	-.003673	-.000454	4.296222	.0922486
#3	5.184476	.1208895	.0013797	-.002478	.002011	4.332859	.0941924

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3609-01 Acquired: 8/25/2024 23:41:55 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	6.449225	-.004005	.2535560
Stddev	.037232	.001870	.0004718
%RSD	.5773120	46.69865	.1860806
#1	6.481460	-.002077	.2536837
#2	6.457742	-.004125	.2539508
#3	6.408472	-.005812	.2530334

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4651.697	67023.25	5605.422	3769.548	6650.776
Stddev	.545	119.10	47.211	20.945	4.872
%RSD	.0117125	.1777021	.8422390	.5556462	.0732552
#1	4652.261	67140.48	5654.259	3790.446	6651.075
#2	4651.656	67026.92	5560.025	3769.644	6645.761
#3	4651.173	66902.36	5601.983	3748.555	6655.491

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3609-01DUP Acquired: 8/25/2024 23:46:10 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033963	.0004956	.0080374	.0005078	-.000298	.2570914	.1240407
Stddev	.0023598	.0010644	.0006247	.0007710	.001611	.0110815	.0018341
%RSD	69.48122	214.7583	7.772748	151.8350	541.0588	4.310327	1.478601
#1	.0008809	.0001919	.0083295	.0012359	-.002136	.2550738	.1257148
#2	.0055613	-.000384	.0084625	-.000300	.000376	.2690430	.1220803
#3	.0037467	.001679	.0073201	.000587	.000867	.2471573	.1243269

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000346	-.000225	40.15697	.0707217	.0013705	.0126796	7.164420
Stddev	.0000246	.000020	.16769	.0007493	.0001369	.0005410	.036365
%RSD	71.04930	9.033541	.4175849	1.059445	9.988331	4.266705	.5075751
#1	.0000154	-.000218	39.97597	.0708994	.0013493	.0129872	7.134208
#2	.0000622	-.000209	40.18788	.0698996	.0015167	.0129967	7.204781
#3	.0000261	-.000248	40.30705	.0713662	.0012454	.0120549	7.154270

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9430238	6.655184	.0147258	.0000835	124.5653	.0009861	.1027006
Stddev	.0003286	.028655	.0002397	.0001403	.5745	.0051274	.0002266
%RSD	.0348479	.4305694	1.627423	167.9421	.4612222	519.9970	.2205894
#1	.9426757	6.686553	.0144491	.0002158	124.1035	-.003331	.1025355
#2	.9433286	6.630383	.0148690	-.000064	125.2087	.006654	.1029589
#3	.9430673	6.648615	.0148592	.000098	124.3838	-.000364	.1026075

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.936920	.1177610	.0013685	-.004171	.0015709	4.133962	.0921886
Stddev	.046328	.0016208	.0002132	.000475	.0013062	.038072	.0009446
%RSD	.9384008	1.376362	15.57812	11.39664	83.15285	.9209576	1.024606
#1	4.927805	.1179820	.0015462	-.003680	.0024996	4.092382	.0922260
#2	4.987129	.1160411	.0014271	-.004203	.0000773	4.167112	.0931139
#3	4.895827	.1192601	.0011321	-.004629	.0021358	4.142393	.0912259

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3609-01DUP Acquired: 8/25/2024 23:46:10 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	6.635580	-.003662	.2484166
Stddev	.057101	.003514	.0002258
%RSD	.8605239	95.95863	.0908887
#1	6.695096	-.000069	.2483475
#2	6.630396	-.003826	.2486688
#3	6.581248	-.007090	.2482334

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4537.765	70120.43	5729.624	3897.279	6451.543
Stddev	36.092	301.20	35.114	7.611	53.371
%RSD	.7953706	.4295439	.6128472	.1953010	.8272529
#1	4514.505	69960.90	5690.426	3889.155	6416.199
#2	4519.447	69932.54	5740.246	3898.438	6425.494
#3	4579.342	70467.84	5758.201	3904.245	6512.936

Sample Name: P3609-01LX5 Acquired: 8/25/2024 23:50:24 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000612	-.000664	.0005806	-.001543	-.000898	.0617734	.0248450
Stddev	.001656	.002952	.0005027	.001874	.000891	.0096825	.0006691
%RSD	270.3597	444.3227	86.58377	121.4376	99.13471	15.67423	2.693050
#1	-.001060	-.001414	.0010030	.000585	-.001762	.0636140	.0242021
#2	-.001998	-.003169	.0000246	-.002270	.000017	.0513027	.0247954
#3	.001221	.002590	.0007143	-.002946	-.000951	.0704034	.0255375

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000570	-.000087	8.388822	.0148310	.0000983	.0027813	1.516621
Stddev	.0000247	.000034	.048393	.0008566	.0001806	.0002622	.013318
%RSD	43.44417	39.11847	.5768758	5.775739	183.6956	9.428714	.8781051
#1	.0000284	-.000093	8.333737	.0158187	-.000108	.0026578	1.520029
#2	.0000722	-.000118	8.408232	.0142913	.000229	.0026036	1.501931
#3	.0000703	-.000050	8.424497	.0143829	.000174	.0030825	1.527904

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1941961	1.381313	.0026526	.0005930	26.44801	-.000755	.0198591
Stddev	.0020670	.016621	.0002462	.0002978	.22700	.000840	.0001235
%RSD	1.064392	1.203261	9.281594	50.21936	.8582975	111.2458	.6220922
#1	.1918373	1.390236	.0024469	.0006692	26.68530	-.001538	.0199380
#2	.1956909	1.391566	.0029254	.0002645	26.23292	-.000858	.0199226
#3	.1950601	1.362136	.0025854	.0008454	26.42582	.000132	.0197167

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.394356	.0172979	-.000309	.0030779	-.003045	.8513337	.0145057
Stddev	.039105	.0008247	.000172	.0004538	.000390	.0192603	.0015687
%RSD	2.804527	4.767504	55.45958	14.74373	12.80482	2.262371	10.81401
#1	1.356364	.0165034	-.000129	.0031916	-.002632	.8589443	.0148067
#2	1.392217	.0181498	-.000471	.0025781	-.003406	.8656259	.0128084
#3	1.434487	.0172406	-.000329	.0034640	-.003099	.8294309	.0159021

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3609-01LX5 Acquired: 8/25/2024 23:50:24 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.337991	.0011346	.0517858
Stddev	.007624	.0042838	.0002127
%RSD	.5698057	377.5499	.4106914
#1	1.346093	.0028573	.0516334
#2	1.336923	.0042889	.0516953
#3	1.330958	-.003742	.0520288

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4748.547	70063.70	5853.226	3951.400	6867.051
Stddev	1.448	319.81	28.705	23.165	5.788
%RSD	.0305014	.4564541	.4904133	.5862534	.0842828
#1	4750.096	69694.52	5881.346	3925.469	6873.732
#2	4748.318	70255.74	5823.969	3958.683	6863.825
#3	4747.227	70240.85	5854.363	3970.049	6863.594

Sample Name: P3609-01MS Acquired: 8/25/2024 23:54:45 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8754921	1.916484	1.015246	2.119447	.8056989	2.241161	.3229055
Stddev	.0048856	.010046	.008656	.013106	.0058657	.032226	.0012517
%RSD	.5580365	.5241638	.8525891	.6183678	.7280199	1.437932	.3876242
#1	.8806023	1.926418	1.025235	2.133231	.8124265	2.211477	.3238193
#2	.8708674	1.916703	1.010560	2.107146	.8016567	2.236569	.3214789
#3	.8750066	1.906330	1.009943	2.117962	.8030135	2.275437	.3234183

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2104606	.2034983	41.21575	.4881581	.2109835	.3196815	10.24319
Stddev	.0009717	.0016122	.03947	.0030444	.0020231	.0025860	.05269
%RSD	.4616800	.7922456	.0957672	.6236544	.9588948	.8089260	.5144184
#1	.2097866	.2053034	41.19555	.4877810	.2131487	.3226509	10.27252
#2	.2115744	.2022016	41.26124	.4853199	.2091413	.3179245	10.18236
#3	.2100207	.2029898	41.19048	.4913736	.2106605	.3184689	10.27469

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.147059	8.654565	.5277704	.0411209	129.0595	.3131476	.3158086
Stddev	.001341	.040740	.0048472	.0016317	.5789	.0046390	.0015517
%RSD	.1169310	.4707298	.9184215	3.967973	.4485727	1.481397	.4913357
#1	1.147348	8.608398	.5333018	.0426884	129.5794	.3161066	.3141294
#2	1.148232	8.685471	.5242644	.0412425	128.4357	.3078011	.3171894
#3	1.145597	8.669826	.5257451	.0394319	129.1635	.3155349	.3161071

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.74008	.3914273	.4077225	.7095034	.1991193	4.798529	6.489186
Stddev	.05721	.0022247	.0026412	.0055546	.0009002	.042833	.038913
%RSD	.3881385	.5683501	.6477826	.7828878	.4520895	.8926297	.5996612
#1	14.80490	.3893592	.4107619	.7159092	.1994926	4.830046	6.534074
#2	14.69662	.3937810	.4059863	.7060218	.1997728	4.749760	6.464999
#3	14.71872	.3911417	.4064191	.7065792	.1980925	4.815780	6.468486

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3609-01MS Acquired: 8/25/2024 23:54:45 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	6.527437	.1752365	.4394369
Stddev	.061618	.0066578	.0009497
%RSD	.9439828	3.799323	.2161246
#1	6.598461	.1782247	.4394314
#2	6.495595	.1676082	.4403893
#3	6.488255	.1798767	.4384899

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4521.543	66571.59	5437.182	3735.529	6429.793
Stddev	34.190	315.76	21.564	10.429	55.959
%RSD	.7561592	.4743157	.3965972	.2791950	.8703021
#1	4482.904	66594.65	5461.733	3746.432	6365.704
#2	4533.847	66875.18	5421.313	3734.506	6454.715
#3	4547.879	66244.93	5428.499	3725.649	6468.962

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3609-01MSD Acquired: 8/25/2024 23:58:51 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8519668	1.840467	.9946406	2.058036	.7875982	2.166428	.3163255
Stddev	.0022117	.013290	.0012577	.006391	.0030528	.013869	.0019579
%RSD	.2595964	.7221090	.1264456	.3105342	.3876126	.6401587	.6189354
#1	.8543358	1.850459	.9939219	2.058636	.7856844	2.154533	.3150401
#2	.8499562	1.825384	.9939070	2.064106	.7911189	2.181661	.3185788
#3	.8516084	1.845558	.9960928	2.051367	.7859914	2.163091	.3153577

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2010675	.1986205	40.80659	.4795753	.2058142	.3135227	10.38952
Stddev	.0012203	.0001058	.16780	.0013206	.0004345	.0011211	.06149
%RSD	.6069054	.0532784	.4112182	.2753653	.2111110	.3575667	.5918315
#1	.2018675	.1987415	40.72127	.4780544	.2063029	.3146931	10.32299
#2	.2016720	.1985455	40.99991	.4804315	.2054714	.3134163	10.40130
#3	.1996630	.1985744	40.69859	.4802400	.2056683	.3124586	10.44426

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.127768	8.562513	.5160779	.0395169	130.8213	.3026326	.3083262
Stddev	.004025	.033033	.0003077	.0009739	.6910	.0053250	.0017483
%RSD	.3569427	.3857823	.0596233	2.464599	.5282292	1.759575	.5670417
#1	1.123957	8.551000	.5163299	.0385725	130.4674	.2993660	.3102710
#2	1.131979	8.599762	.5157350	.0394603	130.3789	.2997545	.3078228
#3	1.127369	8.536778	.5161688	.0405179	131.6176	.3087774	.3068847

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.71155	.3760662	.4029023	.6963018	.1940057	4.905008	6.294686
Stddev	.06924	.0024547	.0005871	.0006841	.0028468	.042460	.008665
%RSD	.4706332	.6527171	.1457129	.0982440	1.467368	.8656445	.1376535
#1	14.67324	.3766570	.4026725	.6962855	.1950852	4.890822	6.303005
#2	14.66993	.3781715	.4024648	.6969938	.1961548	4.871457	6.285712
#3	14.79147	.3733701	.4035695	.6956260	.1907771	4.952745	6.295340

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3609-01MSD Acquired: 8/25/2024 23:58:51 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	6.384388	.1660256	.4323686
Stddev	.011845	.0009200	.0011015
%RSD	.1855236	.5541349	.2547576
#1	6.398050	.1650611	.4319153
#2	6.376997	.1661223	.4336244
#3	6.378118	.1668935	.4315661

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4594.017	66254.33	5591.361	3749.809	6551.262
Stddev	12.438	299.42	16.807	6.613	21.420
%RSD	.2707476	.4519249	.3005845	.1763538	.3269550
#1	4582.721	66399.05	5597.021	3747.005	6527.712
#2	4607.347	66453.90	5572.455	3757.362	6569.584
#3	4591.985	65910.04	5604.608	3745.060	6556.491

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3609-01A Acquired: 8/26/2024 0:02:58 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8408050	1.844288	.9854456	2.031822	.7829672	2.172046	.3158182
Stddev	.0044837	.026507	.0046081	.006471	.0022413	.004890	.0016881
%RSD	.5332608	1.437238	.4676129	.3184821	.2862522	.2251524	.5344993
#1	.8445064	1.870429	.9897324	2.037586	.7850809	2.171353	.3139560
#2	.8420892	1.845006	.9805724	2.033059	.7806171	2.177246	.3162505
#3	.8358193	1.817430	.9860319	2.024822	.7832037	2.167540	.3172481

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2097012	.1964924	40.90376	.4721256	.2034719	.3248804	9.725349
Stddev	.0013233	.0009972	.19901	.0010580	.0015437	.0014226	.010087
%RSD	.6310560	.5075101	.4865270	.2240997	.7586606	.4378842	.1037215
#1	.2088478	.1975491	40.72384	.4723996	.2052265	.3261378	9.730682
#2	.2090302	.1955679	40.86993	.4709576	.2023229	.3233362	9.713714
#3	.2112256	.1963603	41.11752	.4730198	.2028662	.3251671	9.731650

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.135576	8.607374	.5106311	.0426889	124.1806	.2990582	.3065803
Stddev	.004814	.062215	.0029329	.0009653	.1037	.0069720	.0004792
%RSD	.4239243	.7228138	.5743708	2.261275	.0835378	2.331315	.1563124
#1	1.133773	8.635374	.5137226	.0425390	124.2625	.2910342	.3070588
#2	1.131924	8.536079	.5078879	.0437204	124.2154	.3025034	.3065819
#3	1.141032	8.650669	.5102827	.0418073	124.0640	.3036369	.3061003

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.04455	.3935864	.4004519	.6877595	.1935052	4.575165	6.222694
Stddev	.04113	.0004521	.0016819	.0033704	.0018974	.012343	.042512
%RSD	.2928206	.1148614	.4199934	.4900582	.9805504	.2697792	.6831794
#1	14.00845	.3931579	.4021892	.6912693	.1932238	4.578751	6.269637
#2	14.03588	.3940588	.3988315	.6845484	.1917642	4.585318	6.186790
#3	14.08932	.3935425	.4003351	.6874606	.1955276	4.561426	6.211655

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3609-01A Acquired: 8/26/2024 0:02:58 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	6.312921	.1701749	.4315907
Stddev	.028588	.0019524	.0020070
%RSD	.4528558	1.147306	.4650273
#1	6.345699	.1679223	.4299753
#2	6.299922	.1713804	.4309593
#3	6.293141	.1712220	.4338375

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4636.814	68326.97	5376.151	3812.194	6625.468
Stddev	17.427	207.23	36.761	13.316	34.157
%RSD	.3758292	.3032850	.6837839	.3492936	.5155369
#1	4619.542	68156.85	5383.859	3796.838	6592.864
#2	4654.391	68557.76	5408.447	3819.212	6660.990
#3	4636.509	68266.31	5336.147	3820.534	6622.549

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3609-02 Acquired: 8/26/2024 0:07:04 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030374	-.000833	.0021520	.0021973	.0001926	.1041314	.1422649
Stddev	.0023675	.000882	.0013368	.0004198	.0009838	.0095432	.0020348
%RSD	77.94650	105.8090	62.11860	19.10667	510.9196	9.164571	1.430279
#1	.0049993	-.001043	.0036716	.0023872	.0011275	.1082437	.1440734
#2	.0037051	.000134	.0011576	.0017161	.0002839	.0932215	.1400617
#3	.0004077	-.001592	.0016267	.0024886	-.000834	.1109290	.1426596

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000028	-.000247	48.65163	.0123570	.0009290	.0055552	5.632997
Stddev	.000074	.000022	.20629	.0005600	.0002234	.0003809	.025075
%RSD	269.4379	8.985314	.4240168	4.532264	24.05126	6.856736	.4451457
#1	-.000034	-.000273	48.49927	.0118096	.0008634	.0059873	5.612407
#2	-.000098	-.000236	48.56924	.0129289	.0011778	.0052681	5.625662
#3	.000050	-.000233	48.88639	.0123326	.0007456	.0054101	5.660922

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.112280	8.051464	.0069335	.0004222	154.0225	.0040617	.0378496
Stddev	.005386	.024231	.0002998	.0002277	.9592	.0047378	.0001730
%RSD	.4842273	.3009495	4.323664	53.93206	.6227563	116.6461	.4571173
#1	1.109487	8.025881	.0065873	.0003930	152.9637	.0091613	.0377386
#2	1.108863	8.054442	.0071063	.0002105	154.2702	.0032268	.0380489
#3	1.118488	8.074068	.0071068	.0006630	154.8335	-.000203	.0377611

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.080701	.1458655	.0006994	.0011484	-.003214	4.899680	.0695248
Stddev	.080458	.0002767	.0005807	.0003331	.002002	.028423	.0015123
%RSD	1.323175	.1897244	83.03086	29.00216	62.29065	.5800974	2.175171
#1	6.015119	.1458179	.0000318	.0013618	-.003989	4.869282	.0683490
#2	6.056502	.1461629	.0009786	.0007646	-.004712	4.904163	.0689947
#3	6.170481	.1456156	.0010879	.0013189	-.000940	4.925595	.0712308

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3609-02 Acquired: 8/26/2024 0:07:04 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	7.832096	.0026096	.3017807
Stddev	.007285	.0078941	.0014121
%RSD	.0930205	302.4982	.4679309
#1	7.839037	.0096970	.3004625
#2	7.824509	.0040301	.3016086
#3	7.832741	-.005898	.3032710

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4553.211	65996.34	5505.837	3697.489	6484.881
Stddev	5.334	268.85	13.240	20.410	8.179
%RSD	.1171505	.4073738	.2404795	.5520083	.1261300
#1	4547.323	66237.03	5500.077	3707.775	6476.812
#2	4557.721	66045.80	5520.981	3710.709	6484.665
#3	4554.589	65706.20	5496.452	3673.981	6493.167

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3617-02 Acquired: 8/26/2024 0:11:19 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003489	-.002719	.0000019	.0028132	-.000646	.0152381	.0044406
Stddev	.0004976	.001323	.0001813	.0038856	.001101	.0239711	.0010053
%RSD	142.6487	48.66586	9381.109	138.1201	170.4774	157.3108	22.63901
#1	.0000331	-.001193	.0002113	.0019384	-.001569	.0312718	.0044474
#2	.0009225	-.003421	-.000102	-.000560	.000573	-.012319	.0054424
#3	.0000910	-.003543	-.000103	.007062	-.000942	.026761	.0034319

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000075	-.000114	.0706364	.2680186	.0034471	.0051403	.9082258
Stddev	.000085	.000079	.0173534	.0004749	.0003118	.0006278	.0102763
%RSD	112.9852	69.02966	24.56725	.1771754	9.044980	12.21233	1.131466
#1	-.000089	-.000100	.0840384	.2683975	.0031713	.0045627	.8981458
#2	-.000152	-.000043	.0510346	.2681723	.0037855	.0058084	.9078439
#3	.000016	-.000198	.0768362	.2674859	.0033846	.0050499	.9186876

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0394788	-.006714	.2120505	.0007532	-.140320	-.004689	.0066616
Stddev	.0004592	.016872	.0014420	.0001933	.024131	.003618	.0004722
%RSD	1.163095	251.2892	.6800195	25.66313	17.19697	77.15677	7.088185
#1	.0391209	-.025698	.2135679	.0009073	-.162524	-.008524	.0064247
#2	.0393190	-.001011	.2118855	.0005363	-.114639	-.001338	.0072053
#3	.0399965	.006567	.2106981	.0008159	-.143796	-.004204	.0063547

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.090965	-.011936	.0012662	-.002961	-.003399	.0199079	.0096657
Stddev	.013810	.000228	.0002018	.000267	.002794	.0038906	.0019229
%RSD	15.18131	1.907889	15.93868	9.012240	82.18944	19.54302	19.89384
#1	-.101798	-.012190	.0010362	-.002952	-.004504	.0212055	.0100321
#2	-.075415	-.011868	.0013485	-.002698	-.000222	.0155343	.0113790
#3	-.095682	-.011750	.0014138	-.003232	-.005472	.0229839	.0075860

Sample Name: P3617-02 Acquired: 8/26/2024 0:11:19 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0107231	-.000480	-.001051
Stddev	.0009065	.006107	.000148
%RSD	8.454066	1273.229	14.06413
#1	.0097600	-.003599	-.000925
#2	.0115598	-.004397	-.001214
#3	.0108496	.006557	-.001014

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4955.468	69526.86	5342.563	3889.605	7520.599
Stddev	38.382	169.00	8.258	11.566	61.716
%RSD	.7745433	.2430710	.1545715	.2973548	.8206253
#1	4928.070	69664.42	5351.735	3887.926	7468.795
#2	4938.997	69577.96	5335.718	3901.919	7504.119
#3	4999.337	69338.21	5340.237	3878.971	7588.881

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3617-03 Acquired: 8/26/2024 0:15:41 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0116185	.0021366	1.659590	-.003228	.0013824	5.312914
Stddev	.0004421	.0011217	.006324	.001573	.0007038	.025839
%RSD	3.805176	52.49864	.3810489	48.73823	50.91230	.4863342
#1	.0111905	.0008855	1.652440	-.004182	.0012038	5.331151
#2	.0115915	.0030523	1.661879	-.004090	.0007851	5.283346
#3	.0120734	.0024719	1.664450	-.001412	.0021582	5.324245

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.458553	.0029497	.0105548	177.1931	.0229340	.0300437
Stddev	.004746	.0000093	.0000212	.2875	.0001072	.0003218
%RSD	.3254168	.3162236	.2011808	.1622246	.4674163	1.071008
#1	1.457047	.0029596	.0105361	177.1690	.0230462	.0302407
#2	1.454743	.0029410	.0105503	176.9185	.0229232	.0296724
#3	1.463870	.0029486	.0105779	177.4919	.0228326	.0302180

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1319014	19.37820	2.778873	74.23182	.0745409	.0009007
Stddev	.0004413	.16548	.007470	.21137	.0003925	.0003870
%RSD	.3345352	.8539661	.2688222	.2847457	.5265786	42.96950
#1	.1314565	19.18749	2.772486	74.09364	.0742326	.0011991
#2	.1319089	19.46329	2.777047	74.12668	.0744073	.0010398
#3	.1323389	19.48383	2.787088	74.47515	.0749828	.0004634

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	52.58705	.0549050	4.187807	22.69728	.0703655	.0001009
Stddev	.39925	.0063421	.007621	.14371	.0012733	.0001359
%RSD	.7592140	11.55105	.1819690	.6331649	1.809595	134.6983
#1	52.12818	.0547921	4.194095	22.53976	.0715780	.0000351
#2	52.77806	.0613028	4.189993	22.73085	.0690390	.0002571
#3	52.85492	.0486201	4.179332	22.82124	.0704794	.0000104

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3617-03 Acquired: 8/26/2024 0:15:41 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003419	.0317419	F 23.45279	3.255611	2.460165	.0233645
Stddev	.000329	.0001529	.21611	.010889	.006906	.0013599
%RSD	9.620690	.4817604	.9214570	.3344571	.2806965	5.820237
#1	-.003791	.0318708	23.20515	3.247570	2.456258	.0217942
#2	-.003164	.0317820	23.54996	3.251261	2.456098	.0241523
#3	-.003303	.0315730	23.60324	3.268003	2.468138	.0241469

Elem	Sr4077
Units	ppm
Avg	.9145178
Stddev	.0017673
%RSD	.1932475
#1	.9144519
#2	.9127844
#3	.9163171

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4899.174	65258.16	5762.927	3661.798	6911.256
Stddev	13.562	181.45	26.784	8.807	18.606
%RSD	.2768267	.2780566	.4647591	.2405090	.2692097
#1	4914.825	65452.20	5732.183	3654.009	6931.786
#2	4890.886	65092.67	5781.207	3660.029	6906.474
#3	4891.810	65229.62	5775.392	3671.354	6895.508

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: CCV06 Acquired: 8/26/2024 0:39:52 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV06 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.334035	4.944907	5.249084	5.413630	5.164035	9.919729
Stddev	.054260	.148082	.035029	.051770	.045617	.042975
%RSD	1.017239	2.994645	.6673389	.9562927	.8833692	.4332244
#1	5.388009	5.113083	5.282723	5.469962	5.207843	9.918358
#2	5.334602	4.834059	5.251718	5.402790	5.167459	9.877456
#3	5.279494	4.887579	5.212813	5.368138	5.116802	9.963373

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.20555	.2678511	2.635555	25.70916	1.027084	2.618485
Stddev	.05836	.0003611	.019509	.12402	.001397	.024750
%RSD	.5718386	.1348026	.7402379	.4823940	.1359792	.9452083
#1	10.20432	.2680317	2.654936	25.71615	1.025651	2.641266
#2	10.14782	.2680863	2.635809	25.58180	1.027161	2.622040
#3	10.26452	.2674354	2.615920	25.82954	1.028441	2.592150

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.299593	5.086204	2.570601	25.55476	2.597629	1.277316
Stddev	.010058	.033384	.010461	.13326	.019226	.001065
%RSD	.7739478	.6563682	.4069339	.5214610	.7401331	.0833996
#1	1.308498	5.106648	2.575083	25.51290	2.616588	1.278447
#2	1.301597	5.047679	2.558646	25.44746	2.598153	1.276332
#3	1.288683	5.104285	2.578074	25.70392	2.578147	1.277168

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.83868	2.551270	2.483692	24.47409	5.307801	5.039293
Stddev	.16399	.006802	.009581	.20834	.010613	.051319
%RSD	.6879303	.2666025	.3857734	.8512538	.1999586	1.018383
#1	23.83042	2.547544	2.485677	24.42813	5.317922	5.092161
#2	23.67898	2.547147	2.492126	24.29257	5.308725	5.036041
#3	24.00665	2.559121	2.473274	24.70157	5.296756	4.989678

Sample Name: CCV06 Acquired: 8/26/2024 0:39:52 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV06 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.224532	5.110799	5.044780	5.411877	5.379339	F 4.494237
Stddev	.045515	.020472	.060129	.047569	.055815	.021979
%RSD	.8711806	.4005660	1.191913	.8789758	1.037572	.4890510
#1	5.275654	5.111407	5.013226	5.465749	5.442900	4.485467
#2	5.209534	5.090029	5.006995	5.394227	5.356789	4.477997
#3	5.188409	5.130960	5.114118	5.375656	5.338327	4.519247

Elem	Sr4077
Units	ppm
Avg	5.130026
Stddev	.091381
%RSD	1.781297
#1	5.223670
#2	5.125317
#3	5.041090

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4651.742	68441.22	5551.697	3801.086	6592.391
Stddev	27.810	44.20	17.103	16.956	41.840
%RSD	.5978417	.0645832	.3080644	.4460714	.6346640
#1	4622.511	68411.82	5547.378	3789.220	6547.129
#2	4654.844	68419.78	5537.167	3793.533	6600.393
#3	4677.871	68492.05	5570.545	3820.506	6629.652

Sample Name: CCB06 Acquired: 8/26/2024 0:44:02 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB06 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011646	.0002972	-.001539	.0012603	-.000839	.0151076	.0012442
Stddev	.0002372	.0013580	.000845	.0010710	.000366	.0037807	.0008166
%RSD	20.36821	456.9495	54.89354	84.98407	43.65467	25.02519	65.63237
#1	.0012174	.0006546	-.000758	.0002047	-.000446	.0117017	.0017144
#2	.0009055	-.001204	-.001424	.0023462	-.001171	.0191756	.0017169
#3	.0013710	.001441	-.002436	.0012300	-.000899	.0144454	.0003013

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000498	-.000097	.0044675	-.000092	-.000156	.0002314	.0099244
Stddev	.0000152	.000102	.0073089	.000072	.000216	.0001122	.0035981
%RSD	30.45189	104.7136	163.6013	78.18387	139.0341	48.46069	36.25442
#1	.0000395	-.000101	.0013048	-.000016	-.000266	.0001196	.0139585
#2	.0000672	-.000197	-.000727	-.000159	-.000295	.0002308	.0070467
#3	.0000427	.000006	.012825	-.000102	.000094	.0003439	.0087682

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001481	-.014062	-.000629	.0004739	.0866991	.0023310	.0000177
Stddev	.0003426	.011778	.000168	.0003250	.0429035	.0016251	.0000587
%RSD	231.3539	83.75835	26.75510	68.57916	49.48554	69.71795	331.7402
#1	-.000091	-.008388	-.000575	.0006585	.0378015	.0012225	.0000604
#2	-.000005	-.027602	-.000818	.0006646	.1180386	.0041965	-.000049
#3	.000541	-.006195	-.000494	.0000986	.1042573	.0015740	.000042

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2011565	.0010822	.0000110	-.000071	-.003042	.0115101	-.004288
Stddev	.0595736	.0007577	.0002435	.000261	.001338	.0142898	.002058
%RSD	29.61553	70.01382	2216.973	366.6253	43.98205	124.1500	47.98423
#1	.1528313	.0009132	.0001261	-.000337	-.004503	.0274904	-.006656
#2	.2677162	.0004233	-.000269	-.000061	-.001877	.0070799	-.002928
#3	.1829220	.0019101	.000176	.000185	-.002746	-.000040	-.003282

Sample Name: CCB06 Acquired: 8/26/2024 0:44:02 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB06 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.003738	.0038578	-.000279
Stddev	.001243	.0040532	.000161
%RSD	33.25671	105.0628	57.76888
#1	-.005091	.0084675	-.000257
#2	-.003477	.0008519	-.000130
#3	-.002646	.0022541	-.000450

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4809.596	68743.79	5539.050	3915.643	7211.758
Stddev	9.956	117.67	25.850	9.787	12.262
%RSD	.2069989	.1711705	.4666850	.2499482	.1700221
#1	4814.293	68864.74	5554.652	3926.894	7204.673
#2	4816.334	68736.92	5509.212	3909.093	7225.917
#3	4798.161	68629.70	5553.287	3910.943	7204.685

Sample Name: P3617-04 Acquired: 8/26/2024 0:48:24 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0105372	.0017864	1.539050	-.003679	.0018049	4.981761
Stddev	.0020507	.0016375	.006015	.002618	.0011456	.037821
%RSD	19.46159	91.66383	.3908338	71.16536	63.46918	.7591931
#1	.0120683	.0033644	1.533378	-.004105	.0004973	4.939210
#2	.0113361	.0018996	1.538414	-.000874	.0022856	5.011550
#3	.0082073	.0000953	1.545358	-.006057	.0026319	4.994524

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.323573	.0030481	.0112014	174.4104	.0209687	.0302556
Stddev	.004510	.0000165	.0000039	.5273	.0004074	.0001645
%RSD	.3407813	.5430021	.0347075	.3023533	1.942725	.5437717
#1	1.319571	.0030627	.0111989	173.9775	.0209764	.0300786
#2	1.328460	.0030514	.0112059	174.9977	.0205575	.0302841
#3	1.322688	.0030301	.0111994	174.2560	.0213721	.0304039

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2040904	17.36058	2.729715	75.04048	.0764100	.0000229
Stddev	.0010878	.06080	.011626	.22121	.0003616	.0005176
%RSD	.5329862	.3502239	.4259139	.2947857	.4732917	2259.694
#1	.2031467	17.36309	2.720222	74.92624	.0764899	-.000278
#2	.2038444	17.42009	2.742682	75.29545	.0760151	-.000274
#3	.2052801	17.29856	2.726242	74.89974	.0767250	.000621

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.32128	.0454336	4.081536	20.95083	.0804613	.0002431
Stddev	.22778	.0025292	.003237	.14358	.0006192	.0001651
%RSD	.4713927	5.566897	.0793057	.6853155	.7695593	67.90418
#1	48.28586	.0479795	4.081473	20.96025	.0801273	.0003596
#2	48.56469	.0429214	4.084805	21.08946	.0811758	.0003156
#3	48.11327	.0453999	4.078332	20.80277	.0800808	.0000542

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3617-04 Acquired: 8/26/2024 0:48:24 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004026	.0292473	F 21.50255	3.186011	2.740880	.0277772
Stddev	.000774	.0004617	.03306	.014460	.007465	.0060445
%RSD	19.22480	1.578492	.1537507	.4538469	.2723450	21.76081
#1	-.004670	.0289058	21.48837	3.181537	2.742830	.0305847
#2	-.003167	.0297725	21.54034	3.174317	2.732634	.0208395
#3	-.004242	.0290636	21.47895	3.202179	2.747176	.0319075

Elem	Sr4077
Units	ppm
Avg	.8930847
Stddev	.0035368
%RSD	.3960257
#1	.8897561
#2	.8967983
#3	.8926997

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4457.453	65876.21	5274.910	3693.692	6225.783
Stddev	2.167	396.01	28.210	36.205	7.441
%RSD	.0486161	.6011442	.5348037	.9801899	.1195120
#1	4458.178	65900.07	5295.460	3687.226	6224.768
#2	4459.164	65468.81	5242.747	3661.156	6233.679
#3	4455.016	66259.76	5286.524	3732.695	6218.901

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3617-14 Acquired: 8/26/2024 0:52:36 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017356	.0007804	.0000961	-.000594	-.001305	.0404889
Stddev	.0018200	.0011100	.0000946	.000757	.001680	.0337304
%RSD	104.8663	142.2320	98.45496	127.5718	128.7275	83.30765
#1	.0025828	-.000492	.0000521	-.001468	-.001826	.0665634
#2	-.000354	.001280	.0000315	-.000144	.000574	.0525082
#3	.002978	.001553	.0002046	-.000169	-.002662	.0023952

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4884284	-.000242	-.000127	87.03933	.0090944	.0040236
Stddev	.0023085	.000042	.000055	.21198	.0003599	.0001507
%RSD	.4726484	17.18388	42.88808	.2435496	3.957274	3.745671
#1	.4858900	-.000277	-.000188	87.24674	.0092177	.0039137
#2	.4889926	-.000196	-.000082	87.04818	.0093764	.0039616
#3	.4904025	-.000254	-.000112	86.82305	.0086890	.0041954

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0086684	.0764863	.9116314	43.90197	.0112033	-.000261
Stddev	.0002961	.0063933	.0030243	.31816	.0003268	.000522
%RSD	3.415944	8.358758	.3317419	.7246970	2.916671	200.2142
#1	.0088018	.0825308	.9125413	44.19709	.0113830	.000037
#2	.0083290	.0697936	.9140962	43.94389	.0108262	-.000864
#3	.0088743	.0771345	.9082566	43.56493	.0114009	.000044

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	54.80762	.0012014	.1381713	21.83477	.0923366	.0073169
Stddev	.46543	.0037013	.0003256	.14187	.0006708	.0002120
%RSD	.8491998	308.0857	.2356118	.6497320	.7264163	2.896830
#1	55.00668	.0054214	.1380878	21.95668	.0931111	.0071192
#2	55.14042	-.001495	.1385305	21.86857	.0919475	.0075407
#3	54.27577	-.000323	.1378956	21.67905	.0919512	.0072909

Sample Name: P3617-14 Acquired: 8/26/2024 0:52:36 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003121	-.005258	F 20.79112	.0969206	3.652894	.0152784
Stddev	.000456	.000936	.22607	.0015604	.007257	.0040998
%RSD	14.59643	17.79248	1.087328	1.609983	.1986598	26.83394
#1	-.003316	-.004178	20.93163	.0982507	3.655492	.0197722
#2	-.002600	-.005822	20.91138	.0973084	3.658494	.0117421
#3	-.003446	-.005774	20.53034	.0952029	3.644696	.0143208

Elem	Sr4077
Units	ppm
Avg	.6237743
Stddev	.0021275
%RSD	.3410700
#1	.6253595
#2	.6246071
#3	.6213564

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4631.572	65023.60	5341.811	3666.505	6692.363
Stddev	25.196	360.50	8.628	10.182	37.359
%RSD	.5440112	.5544069	.1615200	.2777035	.5582279
#1	4618.377	64985.26	5346.815	3672.981	6673.697
#2	4615.713	64683.81	5331.849	3654.769	6668.016
#3	4660.625	65401.73	5346.771	3671.766	6735.376

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3617-15 Acquired: 8/26/2024 0:56:51 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035685	.0011107	.0010444	.0006754	.0012015	.0464476
Stddev	.0002369	.0017840	.0016723	.0018631	.0006549	.0055790
%RSD	6.637428	160.6150	160.1312	275.8261	54.50586	12.01142
#1	.0033513	-.000133	.0005925	.0017702	.0010570	.0499828
#2	.0035334	.003155	.0028962	-.001476	.0006310	.0400160
#3	.0038210	.000310	-.000356	.001732	.0019166	.0493438

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5742504	-.000206	-.000175	90.26471	.0536494	.0045639
Stddev	.0015261	.000006	.000064	.34584	.0002851	.0001906
%RSD	.2657608	2.903569	36.65220	.3831405	.5313237	4.176777
#1	.5725638	-.000199	-.000237	89.96921	.0534522	.0047506
#2	.5746515	-.000208	-.000109	90.17982	.0535197	.0045717
#3	.5755359	-.000211	-.000179	90.64509	.0539762	.0043696

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0199616	.2427107	.9676056	45.70511	.0186637	.0001182
Stddev	.0001065	.0029415	.0063256	.09676	.0002127	.0003507
%RSD	.5336586	1.211949	.6537412	.2116955	1.139794	296.6694
#1	.0199960	.2458353	.9608741	45.59650	.0189071	.0005125
#2	.0198421	.2399950	.9685161	45.78211	.0185706	.0000007
#3	.0200467	.2423018	.9734266	45.73671	.0185134	-.000159

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	58.49315	.0025243	.1459174	23.17380	.0904378	.0078221
Stddev	.50926	.0025205	.0004403	.11448	.0011446	.0002111
%RSD	.8706292	99.84813	.3017455	.4940124	1.265638	2.698628
#1	58.56965	-.000043	.1459074	23.10656	.0898997	.0079020
#2	58.95984	.004995	.1454822	23.30599	.0896615	.0079815
#3	57.94998	.002621	.1463627	23.10886	.0917523	.0075827

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3617-15 Acquired: 8/26/2024 0:56:51 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004275	-.004286	F 21.99702	.1088812	4.402079	.0184354
Stddev	.000475	.001603	.15408	.0007769	.008099	.0030911
%RSD	11.10114	37.39926	.7004616	.7135342	.1839844	16.76738
#1	-.004556	-.003034	22.00727	.1080085	4.397074	.0151181
#2	-.003727	-.006092	22.14571	.1094974	4.397739	.0189532
#3	-.004542	-.003731	21.83806	.1091377	4.411423	.0212350

Elem	Sr4077
Units	ppm
Avg	.6533372
Stddev	.0018465
%RSD	.2826293
#1	.6512080
#2	.6543043
#3	.6544993

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4499.054	64600.44	5431.400	3651.426	6452.295
Stddev	3.938	33.28	46.864	9.433	9.363
%RSD	.0875284	.0515231	.8628293	.2583381	.1451087
#1	4496.877	64573.25	5451.345	3644.601	6443.004
#2	4503.600	64590.50	5464.992	3662.190	6461.728
#3	4496.685	64637.56	5377.863	3647.487	6452.155

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3619-01 Acquired: 8/26/2024 1:01:07 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020247	-.000127	.0027132	.0006320	-.001901	.1054807	.1241402
Stddev	.0016110	.000237	.0005975	.0010258	.000307	.0161781	.0013930
%RSD	79.57014	186.1210	22.02396	162.3233	16.15354	15.33754	1.122145
#1	.0002704	.000141	.0027205	-.000356	-.002058	.1061231	.1229430
#2	.0034378	-.000217	.0021120	.000560	-.002099	.1213280	.1238086
#3	.0023659	-.000306	.0033070	.001692	-.001548	.0889909	.1256692

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000096	-.000367	42.18571	.0176199	.0008544	.0055535	4.043653
Stddev	.000059	.000058	.01187	.0005206	.0001729	.0005609	.048647
%RSD	61.75057	15.72118	.0281376	2.954549	20.23747	10.10060	1.203044
#1	-.000161	-.000370	42.17704	.0180901	.0006859	.0053778	3.997879
#2	-.000046	-.000307	42.18086	.0177091	.0008457	.0051015	4.038342
#3	-.000079	-.000422	42.19924	.0170605	.0010314	.0061813	4.094737

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9646279	7.131493	.0074422	-.000381	136.7647	-.000077	.0213165
Stddev	.0030684	.043829	.0002338	.000467	.8623	.003116	.0002944
%RSD	.3180864	.6145776	3.142265	122.3743	.6305317	4067.576	1.381273
#1	.9611386	7.107784	.0077089	-.000483	135.8370	.001209	.0216475
#2	.9669047	7.104626	.0073451	.000128	136.9150	.002191	.0210837
#3	.9658404	7.182069	.0072725	-.000789	137.5419	-.003630	.0212183

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.243881	.1326473	.0007083	-.005056	-.002523	4.223311	.0608673
Stddev	.040235	.0016632	.0001619	.000080	.000804	.025586	.0012051
%RSD	.7672745	1.253868	22.85984	1.586311	31.86479	.6058282	1.979881
#1	5.219490	.1344613	.0008228	-.005025	-.001596	4.194149	.0606753
#2	5.221833	.1322863	.0007791	-.004996	-.003025	4.241992	.0597697
#3	5.290321	.1311942	.0005231	-.005147	-.002947	4.233794	.0621568

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3619-01 Acquired: 8/26/2024 1:01:07 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	6.593706	-.002523	.2637967
Stddev	.009887	.002617	.0005525
%RSD	.1499472	103.7328	.2094285
#1	6.587029	-.003766	.2631708
#2	6.589025	-.004287	.2640029
#3	6.605065	.000484	.2642165

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4625.598	63910.85	5347.670	3645.812	6632.484
Stddev	9.030	126.90	18.035	10.545	19.691
%RSD	.1952118	.1985617	.3372514	.2892335	.2968814
#1	4615.179	64000.77	5327.295	3657.980	6609.968
#2	4631.135	63966.08	5354.127	3639.351	6646.480
#3	4630.481	63765.69	5361.588	3640.104	6641.003

Sample Name: P3688-01 Acquired: 8/26/2024 1:05:22 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1232334	.0149456	.1361897	-.041514	.0202817	165.3329
Stddev	.0071073	.0044091	.0008811	.003290	.0035119	.1555
%RSD	5.767324	29.50079	.6469750	7.924499	17.31577	.0940711
#1	.1265184	.0173147	.1352130	-.038454	.0165442	165.1536
#2	.1150779	.0098584	.1369248	-.044993	.0207878	165.4145
#3	.1281040	.0176637	.1364313	-.041094	.0235132	165.4307

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5121918	.0127486	.0003719	F 3355.631	.5147894	.0975629
Stddev	.0004607	.0001336	.0001926	26.527	.0013054	.0004067
%RSD	.0899391	1.047761	51.79559	.7905094	.2535725	.4168197
#1	.5117255	.0127076	.0001985	3377.631	.5159307	.0971290
#2	.5122034	.0128979	.0005793	3326.174	.5133661	.0976245
#3	.5126466	.0126404	.0003380	3363.088	.5150714	.0979352

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2867204	224.8766	4.316758	1322.534	.3332075	.0075086
Stddev	.0020700	2.0922	.008071	8.838	.0008944	.0004196
%RSD	.7219598	.9303751	.1869656	.6682260	.2684095	5.588338
#1	.2843315	226.9224	4.310520	1317.645	.3334517	.0075861
#2	.2878473	222.7409	4.313881	1332.736	.3322164	.0070556
#3	.2879826	224.9665	4.325873	1317.222	.3339544	.0078840

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.33512	.3546584	1.743088	35.22802	.1325624	.0572482
Stddev	.20579	.0061557	.002761	.30809	.0041792	.0004909
%RSD	.8456415	1.735664	.1584140	.8745462	3.152597	.8575420
#1	24.32663	.3489960	1.745578	35.51462	.1362049	.0569716
#2	24.13371	.3537685	1.743567	34.90220	.1279999	.0569581
#3	24.54503	.3612105	1.740118	35.26723	.1334823	.0578151

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3688-01 Acquired: 8/26/2024 1:05:22 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0181899	7.658975	F 103.3252	7.451447	F 149.5238	.7349122
Stddev	.0016586	.020631	.7151	.014300	.1902	.0040917
%RSD	9.118188	.2693672	.6920490	.1919141	.1271911	.5567623
#1	.0163273	7.644839	103.9446	7.461703	149.6953	.7309227
#2	.0187352	7.649437	102.5427	7.435111	149.3192	.7347150
#3	.0195072	7.682649	103.4884	7.457526	149.5567	.7390990

Elem	Sr4077
Units	ppm
Avg	5.155699
Stddev	.063423
%RSD	1.230161
#1	5.097284
#2	5.223159
#3	5.146653

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4251.430	61729.29	5841.910	3446.471	4671.134
Stddev	9.585	472.17	17.219	26.409	13.694
%RSD	.2254553	.7648962	.2947486	.7662694	.2931673
#1	4254.115	61186.56	5854.612	3416.242	4673.895
#2	4259.386	62045.60	5822.312	3465.063	4683.237
#3	4240.788	61955.71	5848.805	3458.109	4656.269

Sample Name: P3689-02 Acquired: 8/26/2024 1:09:55 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1710698	.0274187	5.327555	-.027610	.0258249	106.3001
Stddev	.0024113	.0009297	.007713	.001919	.0012929	.3361
%RSD	1.409539	3.390607	.1447756	6.950716	5.006297	.3161728
#1	.1716941	.0284713	5.318680	-.025549	.0254696	106.2122
#2	.1684077	.0270750	5.332635	-.027933	.0272582	106.0166
#3	.1731075	.0267099	5.331351	-.029346	.0247468	106.6714

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.056131	.0184044	.0079045	235.0500	.2726028	.1796618
Stddev	.008248	.0001295	.0002298	.5041	.0009553	.0001937
%RSD	.4011406	.7033652	2.907096	.2144850	.3504372	.1078237
#1	2.055476	.0184268	.0078258	235.1277	.2729782	.1794408
#2	2.048229	.0185213	.0081634	234.5116	.2733134	.1797425
#3	2.064686	.0182653	.0077245	235.5109	.2715168	.1798022

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.124713	443.4371	9.937110	54.15775	.5209657	.0247608
Stddev	.001592	1.4570	.021947	.13592	.0011257	.0005062
%RSD	.1415454	.3285798	.2208634	.2509798	.2160784	2.044268
#1	1.125887	443.8105	9.931275	54.04116	.5197243	.0251473
#2	1.125350	441.8297	9.918669	54.12504	.5219200	.0241879
#3	1.122901	444.6711	9.961385	54.30704	.5212530	.0249472

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.044355	.3805309	8.349578	16.87515	-.097924	.0115449
Stddev	.036009	.0012076	.022921	.04838	.004662	.0003615
%RSD	.5957399	.3173451	.2745182	.2866825	4.760460	3.131407
#1	6.044331	.3797653	8.340049	16.92757	-.099751	.0111963
#2	6.008359	.3799045	8.375726	16.83221	-.101395	.0115202
#3	6.080376	.3819230	8.332958	16.86569	-.092625	.0119181

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3689-02 Acquired: 8/26/2024 1:09:55 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2382390	3.851519	F 13.39271	F 11.42218	F 33.96850	.1487120
Stddev	.0008304	.003111	.02097	.01723	.13603	.0030164
%RSD	.3485456	.0807691	.1566047	.1508172	.4004704	2.028320
#1	.2374907	3.851406	13.38048	11.40230	33.82322	.1463493
#2	.2380939	3.848466	13.38071	11.43255	34.09287	.1476771
#3	.2391323	3.854685	13.41692	11.43170	33.98940	.1521096

Elem	Sr4077
Units	ppm
Avg	.3486797
Stddev	.0015532
%RSD	.4454504
#1	.3472487
#2	.3484589
#3	.3503315

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4881.204	72103.59	6243.189	4057.516	6124.425
Stddev	10.581	181.67	16.094	4.684	6.776
%RSD	.2167695	.2519501	.2577891	.1154457	.1106338
#1	4869.483	71950.38	6238.139	4052.925	6118.110
#2	4884.077	72056.09	6230.226	4057.335	6123.582
#3	4890.051	72304.28	6261.203	4062.288	6131.583

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3694-01 Acquired: 8/26/2024 1:14:03 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0569915	.0054126	1.030533	-.033619	.0151740	71.51192
Stddev	.0006806	.0013377	.001063	.003121	.0033359	.09565
%RSD	1.194152	24.71538	.1031391	9.283898	21.98403	.1337578
#1	.0569458	.0054488	1.029602	-.035216	.0114011	71.47714
#2	.0563350	.0067319	1.030307	-.030022	.0163880	71.62009
#3	.0576938	.0040571	1.031691	-.035618	.0177328	71.43852

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5721508	.0102434	.0092005	1086.007	.2297188	.1301930
Stddev	.0002595	.0000985	.0004027	19.769	.0008575	.0003928
%RSD	.0453639	.9615851	4.377210	1.820312	.3732695	.3017281
#1	.5721744	.0103550	.0095681	1105.581	.2293997	.1305964
#2	.5723978	.0102065	.0087700	1086.389	.2290666	.1301708
#3	.5718803	.0101686	.0092635	1066.049	.2306901	.1298117

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4757556	255.0643	3.164399	611.3846	.2545398	.0080415
Stddev	.0023303	2.0346	.010551	1.6907	.0004790	.0008417
%RSD	.4898135	.7976648	.3334368	.2765387	.1881620	10.46701
#1	.4780427	252.7437	3.158829	611.0725	.2550538	.0071455
#2	.4733843	256.5415	3.176568	613.2096	.2541061	.0088156
#3	.4758398	255.9078	3.157799	609.8717	.2544594	.0081634

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.586433	.4740310	1.955690	16.76844	-.019649	.0120068
Stddev	.124779	.0067257	.003281	.20930	.004059	.0004469
%RSD	1.644767	1.418830	.1677883	1.248163	20.65850	3.721702
#1	7.445763	.4803416	1.952599	16.53096	-.024326	.0114990
#2	7.629771	.4747958	1.959134	16.84840	-.017031	.0123403
#3	7.683765	.4669556	1.955338	16.92598	-.017592	.0121809

Sample Name: P3694-01 Acquired: 8/26/2024 1:14:03 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0486982	6.594814	9.330170	F 11.18412	9.434489	.1781336
Stddev	.0017579	.025976	.072852	.02887	.035766	.0046234
%RSD	3.609851	.3938925	.7808167	.2581417	.3790943	2.595490
#1	.0483507	6.592816	9.246099	11.21141	9.453340	.1728388
#2	.0471400	6.621732	9.369687	11.15390	9.393241	.1813728
#3	.0506040	6.569894	9.374724	11.18706	9.456886	.1801893

Elem	Sr4077
Units	ppm
Avg	.5051880
Stddev	.0014745
%RSD	.2918761
#1	.5063876
#2	.5056345
#3	.5035418

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4991.746	74378.89	6680.031	4149.661	5174.964
Stddev	6.736	89.32	43.502	9.018	12.835
%RSD	.1349425	.1200841	.6512258	.2173190	.2480135
#1	4986.593	74480.44	6631.949	4158.215	5162.984
#2	4989.277	74343.71	6691.483	4140.242	5173.398
#3	4999.368	74312.52	6716.662	4150.525	5188.509

Sample Name: P3698-01DLX5 Acquired: 8/26/2024 1:18:19 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0262296	.0071085	.0545756	-.014835	.0060150	113.9756	.5992443
Stddev	.0020697	.0019101	.0009407	.001582	.0011060	.2556	.0031716
%RSD	7.890587	26.87011	1.723666	10.66119	18.38764	.2242621	.5292601
#1	.0286194	.0051125	.0554979	-.016510	.0054281	113.6869	.5957286
#2	.0250208	.0089192	.0536176	-.013367	.0053262	114.0669	.6001139
#3	.0250486	.0072939	.0546113	-.014628	.0072908	114.1730	.6018902

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0099988	-.000135	9.934445	.1223613	.1394683	.2066022	194.5898
Stddev	.0000724	.000110	.029057	.0003839	.0009360	.0016623	1.6778
%RSD	.7244276	81.41105	.2924863	.3137384	.6710917	.8046148	.8622460
#1	.0099791	-.000164	9.900893	.1223165	.1405079	.2082209	194.9998
#2	.0099382	-.000229	9.951130	.1227657	.1392043	.2048994	196.0246
#3	.0100790	-.000014	9.951311	.1220019	.1386927	.2066865	192.7449

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.751740	20.83469	.1384966	.0067920	.2763290	.5492901	.3136470
Stddev	.008804	.01085	.0011730	.0005817	.0150116	.0040142	.0013994
%RSD	.3199458	.0520842	.8469361	8.564419	5.432502	.7307943	.4461600
#1	2.741871	20.82470	.1398118	.0065376	.2617929	.5460515	.3142305
#2	2.758789	20.83313	.1381194	.0074575	.2754194	.5537812	.3146602
#3	2.754559	20.84624	.1375587	.0063808	.2917747	.5480376	.3120503

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.81603	-.106694	.0001439	.0016432	9.138435	2.907847	3.955991
Stddev	.09715	.003822	.0002383	.0007466	.031726	.029823	.025837
%RSD	.8982223	3.582027	165.5446	45.43483	.3471688	1.025611	.6531067
#1	10.90724	-.105811	.0004189	.0016809	9.102605	2.919534	3.985545
#2	10.82697	-.103391	-.000002	.0023703	9.149744	2.930057	3.937685
#3	10.71387	-.110880	.000015	.0008785	9.162957	2.873950	3.944742

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3698-01DLX5 Acquired: 8/26/2024 1:18:19 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.7942707	.0269455	-.167934
Stddev	.0075745	.0046755	.001690
%RSD	.9536365	17.35175	1.006339
#1	.8022132	.0303770	-.168260
#2	.7871278	.0216202	-.169437
#3	.7934710	.0288393	-.166105

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6036.739	85119.29	6941.021	4848.532	6747.596
Stddev	11.297	254.73	89.602	10.628	15.964
%RSD	.1871299	.2992623	1.290903	.2191953	.2365816
#1	6035.745	85228.38	6988.834	4860.649	6736.711
#2	6048.500	85301.30	6996.574	4840.791	6765.922
#3	6025.973	84828.18	6837.654	4844.155	6740.156

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3703-01 Acquired: 8/26/2024 1:22:31 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0479880	.0129494	.3975976	-.019989	.0076104	140.0198
Stddev	.0014384	.0010393	.0022864	.003168	.0010992	.2053
%RSD	2.997475	8.026188	.5750430	15.85008	14.44369	.1466461
#1	.0486995	.0134016	.4002113	-.023539	.0074295	139.7946
#2	.0489321	.0136860	.3959680	-.018979	.0066128	140.0680
#3	.0463325	.0117605	.3966137	-.017449	.0087888	140.1968

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9011004	.0132755	-.002256	71.83924	.1748042	.1356749
Stddev	.0011356	.0000463	.000088	.13394	.0012146	.0000472
%RSD	.1260252	.3488203	3.897037	.1864494	.6948413	.0347813
#1	.9009313	.0132420	-.002324	71.72784	.1752328	.1356281
#2	.9000588	.0132562	-.002288	71.98786	.1734335	.1357224
#3	.9023110	.0133284	-.002157	71.80202	.1757465	.1356741

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5062979	253.5507	3.717003	58.28297	.2359875	.0083105
Stddev	.0013313	.4018	.004371	.03204	.0001354	.0002758
%RSD	.2629515	.1584771	.1176051	.0549794	.0573882	3.318274
#1	.5059986	253.4402	3.712871	58.29433	.2359092	.0083709
#2	.5051417	253.9963	3.721580	58.24679	.2359096	.0085510
#3	.5077534	253.2157	3.716557	58.30778	.2361439	.0080095

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.97003	.5532938	.8667111	9.242795	-.021579	.0018896
Stddev	.01982	.0008944	.0012936	.075561	.001825	.0001341
%RSD	.1418501	.1616438	.1492531	.8175093	8.457009	7.096074
#1	13.98653	.5542877	.8664429	9.155643	-.019731	.0018767
#2	13.94805	.5530399	.8681178	9.282780	-.021627	.0020296
#3	13.97551	.5525539	.8655727	9.289961	-.023380	.0017624

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3703-01 Acquired: 8/26/2024 1:22:31 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049866	6.350446	F 11.47123	8.020049	2.456903	.1151932
Stddev	.0000542	.013348	.03605	.013788	.003098	.0012049
%RSD	1.086909	.2101844	.3142942	.1719231	.1261108	1.045985
#1	.0049281	6.335113	11.43164	8.020087	2.453435	.1143186
#2	.0049967	6.359470	11.50216	8.006242	2.459398	.1146933
#3	.0050351	6.356753	11.47991	8.033819	2.457876	.1165675

Elem	Sr4077
Units	ppm
Avg	-.045804
Stddev	.000675
%RSD	1.474365
#1	-.046239
#2	-.046147
#3	-.045026

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5393.832	76737.71	6321.348	4336.944	6488.640
Stddev	16.082	331.62	15.906	21.974	19.218
%RSD	.2981536	.4321508	.2516197	.5066634	.2961759
#1	5376.071	76564.79	6316.391	4336.037	6469.393
#2	5398.019	76528.29	6308.510	4315.437	6488.697
#3	5407.407	77120.06	6339.141	4359.356	6507.829

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3704-01 Acquired: 8/26/2024 1:26:41 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4469639	.0287969	.3005193	-.087375	.0442281	417.3743
Stddev	.0011916	.0027686	.0019847	.003704	.0012200	3.6144
%RSD	.2665926	9.614105	.6604265	4.239598	2.758406	.8659762
#1	.4473811	.0318233	.2986504	-.091418	.0444624	417.1239
#2	.4456199	.0263917	.3026024	-.084143	.0429080	413.8916
#3	.4478908	.0281757	.3003050	-.086565	.0453139	421.1073

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.823030	.0637629	.0017400	206.8792	F 2.192459	.2425595
Stddev	.014246	.0006927	.0003845	.4641	.005862	.0003675
%RSD	.2446485	1.086419	22.09767	.2243360	.2673713	.1514987
#1	5.807567	.0636720	.0017903	206.3434	2.187145	.2429181
#2	5.825900	.0631202	.0013328	207.1567	2.191486	.2421838
#3	5.835622	.0644967	.0020968	207.1374	2.198747	.2425765

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4533543	F 1126.356	2.757299	45.80339	1.227360	^ *****
Stddev	.0078786	4.033	.001655	.14337	.001588	-----
%RSD	1.737858	.3580900	.0600242	.3130083	.1294055	-----
#1	.4490711	1126.629	2.755408	45.70929	1.226139	^ -----
#2	.4485451	1130.246	2.758004	45.73248	1.226786	^ -----
#3	.4624467	1122.193	2.758484	45.96840	1.229156	^ -----

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.99943	1.321939	2.668272	46.48955	^ *****	.0131921
Stddev	.07603	.004053	.009134	.27596	-----	.0004309
%RSD	.5430917	.3065694	.3423207	.5935873	-----	3.266549
#1	14.01201	1.325579	2.676380	46.51432	^ -----	.0127904
#2	14.06838	1.317572	2.658376	46.75229	^ -----	.0136473
#3	13.91789	1.322667	2.670060	46.20205	^ -----	.0131385

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3704-01 Acquired: 8/26/2024 1:26:41 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0228833	F 15.85976	F 52.17847	F 11.04771	3.908305	.3664012
Stddev	.0007814	.03021	.25655	.03495	.014668	.0015542
%RSD	3.414613	.1905097	.4916767	.3163583	.3753143	.4241905
#1	.0230426	15.82688	52.23056	11.04275	3.899863	.3657531
#2	.0220346	15.88630	52.40498	11.01550	3.899809	.3652759
#3	.0235728	15.86610	51.89987	11.08488	3.925242	.3681746

Elem	Sr4077
Units	ppm
Avg	3.407368
Stddev	.024080
%RSD	.7067089
#1	3.418656
#2	3.379718
#3	3.423731

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5536.642	80356.83	6905.910	4499.184	5804.763
Stddev	7.207	107.85	50.861	20.000	7.228
%RSD	.1301622	.1342150	.7364860	.4445197	.1245130
#1	5528.853	80245.14	6925.699	4476.731	5797.656
#2	5543.073	80364.98	6943.902	4505.734	5812.106
#3	5538.000	80460.38	6848.129	4515.088	5804.527

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: CCV07 Acquired: 8/26/2024 1:31:14 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV07 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.054228	4.779189	5.097560	5.094410	4.972830	9.770169
Stddev	.010874	.071562	.004551	.018500	.012638	.017834
%RSD	.2151419	1.497376	.0892856	.3631438	.2541415	.1825318
#1	5.051561	4.841676	5.092872	5.098596	4.969868	9.772768
#2	5.044935	4.701119	5.097848	5.074175	4.961936	9.751178
#3	5.066187	4.794771	5.101961	5.110457	4.986686	9.786560

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.962899	.2637975	2.546724	25.19480	1.026770	2.514561
Stddev	.020179	.0017282	.002919	.08959	.002812	.000865
%RSD	.2025377	.6551200	.1146050	.3555852	.2738942	.0344119
#1	9.956421	.2618645	2.545390	25.21967	1.023961	2.514510
#2	9.985521	.2643345	2.544711	25.26933	1.029586	2.513723
#3	9.946755	.2651934	2.550072	25.09541	1.026762	2.515451

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.256547	5.119508	2.529268	25.13859	2.512786	1.275255
Stddev	.002763	.047388	.008580	.07557	.004657	.001047
%RSD	.2198744	.9256316	.3392124	.3005959	.1853498	.0820894
#1	1.254337	5.173956	2.533883	25.16874	2.508295	1.276383
#2	1.255658	5.096988	2.534551	25.19443	2.512470	1.275066
#3	1.259645	5.087580	2.519368	25.05261	2.517594	1.274315

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.49899	2.504190	2.479526	23.96679	5.246776	4.958109
Stddev	.14686	.000715	.004340	.22574	.037309	.008735
%RSD	.5994580	.0285411	.1750326	.9418954	.7110778	.1761793
#1	24.62603	2.505015	2.482787	24.18312	5.204531	4.960811
#2	24.53276	2.503795	2.481191	23.98456	5.260584	4.948342
#3	24.33819	2.503760	2.474600	23.73268	5.275212	4.965174

Sample Name: CCV07 Acquired: 8/26/2024 1:31:14 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV07 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.049675	4.997871	5.127242	5.096398	4.986533	F 4.268247
Stddev	.015484	.027528	.038453	.009820	.019858	.010606
%RSD	.3066344	.5507859	.7499791	.1926763	.3982268	.2484847
#1	5.060773	5.007126	5.153542	5.097553	4.989135	4.257231
#2	5.031986	5.019578	5.145073	5.086052	4.965503	4.269122
#3	5.056266	4.966908	5.083110	5.105589	5.004962	4.278388

Elem	Sr4077
Units	ppm
Avg	4.999980
Stddev	.006450
%RSD	.1289927
#1	5.007245
#2	4.997763
#3	4.994931

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4864.805	66679.83	5519.784	3749.073	6956.103
Stddev	2.841	348.17	15.651	15.692	3.999
%RSD	.0583911	.5221479	.2835368	.4185544	.0574894
#1	4867.989	66338.06	5533.002	3735.425	6953.471
#2	4862.530	66667.38	5502.503	3745.577	6954.134
#3	4863.897	67034.06	5523.848	3766.218	6960.705

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: CCB07 Acquired: 8/26/2024 1:35:25 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB07 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011703	-.000344	-.001484	-.000080	-.002575	.0128601	.0017650
Stddev	.0014111	.001064	.001025	.001326	.001665	.0146144	.0017542
%RSD	120.5777	309.1756	69.04579	1653.914	64.64709	113.6419	99.38651
#1	.0024279	-.001037	-.002499	-.000333	-.002351	.0296610	.0012010
#2	.0014389	-.000876	-.001502	.001354	-.004341	.0030896	.0003622
#3	-.000356	.000881	-.000450	-.001262	-.001034	.0058296	.0037318

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000333	-.000167	.0102373	-.000379	.0001644	.0001806	.0126188
Stddev	.0000619	.000054	.0122990	.000365	.0001343	.0001399	.0057335
%RSD	186.0707	32.57333	120.1398	96.33484	81.68665	77.46419	45.43595
#1	.0001047	-.000125	.0001433	.000036	.0001902	.0001845	.0060017
#2	-.000002	-.000147	.0239358	-.000522	.0002838	.0000388	.0157456
#3	-.000003	-.000228	.0066327	-.000651	.0000190	.0003185	.0161091

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002285	-.025391	-.000324	-.000017	.0208309	-.002559	-.000714
Stddev	.0000475	.013369	.000384	.000308	.0207984	.005387	.000277
%RSD	20.80697	52.65298	118.6407	1799.680	99.84416	210.4753	38.75019
#1	.0002630	-.009954	.000110	.000307	.0043455	.003550	-.000971
#2	.0001742	-.033134	-.000462	-.000306	.0139491	-.006626	-.000752
#3	.0002481	-.033086	-.000619	-.000052	.0441980	-.004602	-.000421

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1029011	-.006506	.0000484	.0000137	-.003420	-.001814	-.003749
Stddev	.0187035	.001180	.0002152	.0003965	.001899	.005858	.000880
%RSD	18.17619	18.13105	445.0796	2893.557	55.54306	322.9707	23.45917
#1	.1145006	-.007646	-.000198	.0002234	-.003965	.004924	-.002734
#2	.0813245	-.006582	.000197	.0002613	-.001307	-.004660	-.004247
#3	.1128784	-.005290	.000146	-.000444	-.004987	-.005705	-.004267

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: CCB07 Acquired: 8/26/2024 1:35:25 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB07 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.004511	-.002680	-.000367
Stddev	.001187	.002362	.000086
%RSD	26.30276	88.14009	23.35097
#1	-.003539	-.005062	-.000268
#2	-.004162	-.002642	-.000416
#3	-.005833	-.000337	-.000415

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4849.010	69521.55	5409.840	3963.400	7287.893
Stddev	8.072	285.32	15.079	12.348	10.041
%RSD	.1664723	.4104070	.2787410	.3115532	.1377802
#1	4840.501	69468.49	5395.294	3964.746	7287.664
#2	4856.561	69266.48	5408.825	3950.434	7298.047
#3	4849.967	69829.68	5425.402	3975.020	7277.968

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3704-01DUP Acquired: 8/26/2024 1:39:46 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4515392	.0236827	.3025913	-.092753	.0466318	418.1896
Stddev	.0027471	.0055690	.0019192	.004199	.0024332	2.5529
%RSD	.6083940	23.51527	.6342459	4.526891	5.217943	.6104544
#1	.4542154	.0247907	.3012604	-.097417	.0445993	421.0430
#2	.4516761	.0286144	.3047913	-.091569	.0459681	417.4039
#3	.4487262	.0176429	.3017223	-.089273	.0493280	416.1219

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.903633	.0633774	.0015588	206.5927	F 2.249699	.2481623
Stddev	.005405	.0001647	.0008499	.0803	.003567	.0006542
%RSD	.0915504	.2598841	54.52309	.0388521	.1585633	.2636187
#1	5.903743	.0631955	.0010518	206.6681	2.252104	.2489079
#2	5.898174	.0635165	.0010846	206.5084	2.251393	.2476845
#3	5.908982	.0634202	.0025400	206.6017	2.245601	.2478945

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4579853	F 1160.209	2.751927	45.64837	1.248669	^ *****
Stddev	.0103628	9.985	.000860	.12284	.001275	-----
%RSD	2.262702	.8606304	.0312333	.2691028	.1021034	-----
#1	.4536785	1163.924	2.751324	45.50659	1.247904	^ -----
#2	.4504704	1167.805	2.751546	45.71545	1.250141	^ -----
#3	.4698071	1148.899	2.752911	45.72307	1.247963	^ -----

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.03409	1.329215	2.641783	46.86399	^ *****	.0128136
Stddev	.05707	.004595	.004018	.22510	-----	.0005416
%RSD	.4066174	.3456851	.1520773	.4803238	-----	4.226479
#1	14.09869	1.328194	2.643480	47.08240	^ -----	.0121888
#2	13.99053	1.325216	2.644674	46.63275	^ -----	.0131027
#3	14.01305	1.334234	2.637196	46.87682	^ -----	.0131492

Sample Name: P3704-01DUP Acquired: 8/26/2024 1:39:46 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0224081	F 16.36471	F 55.15965	F 11.44107	3.986074	.3585056
Stddev	.0004916	.00725	.22206	.03761	.006482	.0039014
%RSD	2.193671	.0443142	.4025767	.3287684	.1626218	1.088230
#1	.0228442	16.36130	55.34214	11.39848	3.979550	.3626218
#2	.0225048	16.35979	54.91241	11.45498	3.992513	.3580328
#3	.0218754	16.37303	55.22440	11.46974	3.986159	.3548622

Elem	Sr4077
Units	ppm
Avg	3.477047
Stddev	.014317
%RSD	.4117530
#1	3.469400
#2	3.493563
#3	3.468177

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5453.444	80482.50	7057.082	4526.240	5685.704
Stddev	8.409	347.60	15.298	23.273	12.130
%RSD	.1542038	.4318989	.2167810	.5141771	.2133483
#1	5444.585	80098.54	7064.338	4506.371	5679.563
#2	5454.429	80573.18	7039.506	4520.505	5677.872
#3	5461.317	80775.77	7067.402	4551.845	5699.677

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3704-01LX5 Acquired: 8/26/2024 1:44:20 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1171443	.0181353	.0668689	-.023586	.0118813	110.5388
Stddev	.0029349	.0019790	.0021249	.002280	.0026962	.4213
%RSD	2.505338	10.91257	3.177740	9.666890	22.69312	.3811772
#1	.1189660	.0197650	.0650639	-.025341	.0128319	110.7215
#2	.1187084	.0187078	.0692108	-.024410	.0139736	110.8379
#3	.1137587	.0159331	.0663321	-.021009	.0088386	110.0569

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.523042	.0180401	-.007075	55.94367	.5937511	.0497586
Stddev	.005182	.0000731	.000258	.16533	.0004148	.0006243
%RSD	.3402591	.4053838	3.644696	.2955237	.0698619	1.254584
#1	1.523789	.0180714	-.007340	56.13430	.5942146	.0502086
#2	1.527810	.0180925	-.006824	55.83948	.5936240	.0500212
#3	1.517527	.0179566	-.007062	55.85723	.5934148	.0490459

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1314801	309.0331	.7551588	12.76551	.2658079	.0089267
Stddev	.0010046	1.6400	.0019540	.05908	.0011316	.0006644
%RSD	.7640655	.5306836	.2587479	.4628352	.4257241	7.442608
#1	.1313327	310.6257	.7571304	12.81853	.2669282	.0090504
#2	.1325502	307.3495	.7551231	12.77617	.2658304	.0082092
#3	.1305573	309.1240	.7532230	12.70182	.2646653	.0095206

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.452387	.3606702	.6852033	11.34957	.0126864	.0029961
Stddev	.027423	.0015665	.0039794	.07253	.0032874	.0002771
%RSD	.7943193	.4343288	.5807628	.6390561	25.91268	9.247545
#1	3.469921	.3624783	.6897887	11.39525	.0146316	.0032920
#2	3.420785	.3598100	.6826529	11.26594	.0088909	.0027429
#3	3.466455	.3597223	.6831684	11.38753	.0145368	.0029534

Sample Name: P3704-01LX5 Acquired: 8/26/2024 1:44:20 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026610	4.290693	F 13.56743	2.303983	.7641459	.0884756
Stddev	.0010368	.011647	.06907	.012424	.0012304	.0023907
%RSD	38.96212	.2714421	.5090996	.5392417	.1610179	2.702145
#1	.0036110	4.303347	13.64702	2.318326	.7640614	.0859868
#2	.0028169	4.288307	13.52316	2.297048	.7654164	.0886856
#3	.0015551	4.280423	13.53212	2.296573	.7629599	.0907544

Elem	Sr4077
Units	ppm
Avg	.8998888
Stddev	.0039174
%RSD	.4353217
#1	.9021487
#2	.9021523
#3	.8953654

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4941.810	71795.20	5912.142	4082.622	6637.197
Stddev	5.780	127.35	28.048	5.715	9.539
%RSD	.1169587	.1773803	.4744066	.1399927	.1437189
#1	4944.190	71880.72	5938.040	4087.037	6633.844
#2	4935.220	71856.05	5882.352	4084.662	6629.787
#3	4946.019	71648.84	5916.035	4076.166	6647.959

Sample Name: P3704-01MS Acquired: 8/26/2024 1:48:32 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.090072	1.825151	1.306305	1.490732	.6763936	436.1029
Stddev	.002340	.018196	.003484	.011004	.0013865	.8235
%RSD	.2146752	.9969689	.2666897	.7381445	.2049906	.1888317
#1	1.091842	1.810447	1.309681	1.483491	.6769847	435.5777
#2	1.087419	1.845501	1.306513	1.485310	.6748095	437.0520
#3	1.090955	1.819506	1.302723	1.503394	.6773866	435.6791

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.076200	.2354247	.2090514	208.8319	F 2.571170	.4475365
Stddev	.025218	.0013980	.0013441	.9929	.003388	.0006741
%RSD	.4150362	.5938070	.6429423	.4754541	.1317764	.1506231
#1	6.047507	.2338623	.2093089	207.7398	2.571771	.4476709
#2	6.086248	.2365572	.2102480	209.0757	2.574218	.4481333
#3	6.094846	.2358548	.2075971	209.6802	2.567522	.4468053

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7346775	F 1117.636	2.939825	47.48778	1.741897	^ *****
Stddev	.0112657	15.662	.014239	.25263	.002193	-----
%RSD	1.533423	1.401347	.4843321	.5319868	.1258874	-----
#1	.7349299	1112.541	2.924344	47.19889	1.741356	^ -----
#2	.7458149	1105.156	2.942772	47.59719	1.740025	^ -----
#3	.7232877	1135.211	2.952360	47.66727	1.744310	^ -----

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.60034	1.587223	2.759586	52.51976	^ *****	.3152233
Stddev	.06609	.003513	.010503	.21944	-----	.0002935
%RSD	.4236227	.2213112	.3806098	.4178224	-----	.0931091
#1	15.64669	1.583280	2.754566	52.68322	^ -----	.3152983
#2	15.52467	1.588370	2.771657	52.27036	^ -----	.3154720
#3	15.62967	1.590018	2.752534	52.60571	^ -----	.3148995

Sample Name: P3704-01MS Acquired: 8/26/2024 1:48:32 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7237687	F 17.44654	F 54.37673	F 17.26598	3.781904	.5193014
Stddev	.0027200	.06852	.34183	.01869	.006382	.0045951
%RSD	.3758082	.3927211	.6286363	.1082232	.1687450	.8848568
#1	.7226180	17.36782	54.50072	17.26608	3.777745	.5139978
#2	.7218133	17.47912	53.99020	17.28462	3.789252	.5218168
#3	.7268750	17.49270	54.63926	17.24725	3.778715	.5220896

Elem	Sr4077
Units	ppm
Avg	3.673938
Stddev	.026263
%RSD	.7148441
#1	3.672016
#2	3.701108
#3	3.648688

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5585.855	80943.76	6582.375	4489.925	5830.588
Stddev	6.778	135.03	36.623	4.314	5.602
%RSD	.1213487	.1668209	.5563819	.0960771	.0960745
#1	5593.678	80832.99	6622.123	4488.811	5836.709
#2	5581.726	81094.18	6549.998	4486.278	5825.716
#3	5582.160	80904.12	6575.003	4494.687	5829.340

Sample Name: P3704-01MSD Acquired: 8/26/2024 1:53:02 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.127723	1.877820	1.315576	1.549989	.6839515	437.6844
Stddev	.003973	.036513	.002477	.005911	.0055159	3.8226
%RSD	.3522754	1.944455	.1882715	.3813544	.8064693	.8733762
#1	1.132264	1.889692	1.314425	1.549960	.6849945	438.3541
#2	1.124891	1.836849	1.318419	1.544092	.6779886	441.1279
#3	1.126014	1.906921	1.313884	1.555914	.6888713	433.5711

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.207978	.2244095	.2122085	210.7121	F 2.599890	.4561209
Stddev	.003967	.0019986	.0014644	.3376	.003948	.0002588
%RSD	.0638956	.8906220	.6900680	.1602136	.1518536	.0567427
#1	6.212383	.2262225	.2119024	210.9263	2.595787	.4563680
#2	6.206862	.2247398	.2109213	210.8870	2.603662	.4561430
#3	6.204688	.2222663	.2138017	210.3229	2.600222	.4558518

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7690469	F 1157.880	2.931238	46.92813	1.782540	^ *****
Stddev	.0099959	6.802	.003062	.14083	.003864	-----
%RSD	1.299782	.5874313	.1044719	.3000989	.2167619	-----
#1	.7659151	1159.589	2.933838	47.05797	1.780375	^ -----
#2	.7609918	1163.665	2.927863	46.94801	1.780245	^ -----
#3	.7802337	1150.387	2.932013	46.77842	1.787001	^ -----

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.70485	1.580212	2.705430	52.89524	^ *****	.3113982
Stddev	.06315	.005424	.007500	.35649	-----	.0013124
%RSD	.4021282	.3432587	.2772382	.6739531	-----	.4214610
#1	15.64228	1.574513	2.708209	52.50066	^ -----	.3114808
#2	15.70370	1.580811	2.696936	52.99099	^ -----	.3100464
#3	15.76857	1.585312	2.711144	53.19408	^ -----	.3126673

Sample Name: P3704-01MSD Acquired: 8/26/2024 1:53:02 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7224757	F 18.26509	F 55.75691	F 18.11612	4.025904	.4936538
Stddev	.0021887	.02143	.33941	.08143	.029627	.0018974
%RSD	.3029493	.1173468	.6087232	.4495076	.7359011	.3843536
#1	.7204933	18.26829	55.48789	18.11383	4.016471	.4957900
#2	.7221092	18.28475	55.64460	18.03585	4.002143	.4930073
#3	.7248245	18.24224	56.13823	18.19867	4.059099	.4921642

Elem	Sr4077
Units	ppm
Avg	3.718748
Stddev	.013058
%RSD	.3511435
#1	3.732193
#2	3.717938
#3	3.706114

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5436.182	84103.83	7040.077	4623.558	5659.347
Stddev	9.088	220.58	69.107	22.760	5.775
%RSD	.1671693	.2622714	.9816257	.4922684	.1020403
#1	5434.511	83855.24	6970.872	4600.553	5660.711
#2	5428.045	84180.09	7040.273	4646.066	5653.013
#3	5445.989	84276.17	7109.086	4624.054	5664.319

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3704-01A Acquired: 8/26/2024 2:02:03 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.097583	1.914920	1.334363	1.518381	.6802777	455.5611
Stddev	.004501	.017720	.000621	.003831	.0007195	4.4186
%RSD	.4100934	.9253395	.0465511	.2523265	.1057631	.9699170
#1	1.101119	1.929916	1.334264	1.522148	.6797103	457.0275
#2	1.092516	1.895367	1.333798	1.514489	.6810869	459.0601
#3	1.099114	1.919476	1.335028	1.518505	.6800358	450.5958

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.315813	.2359687	.2126236	215.8820	F 2.712368	.4595945
Stddev	.010867	.0007142	.0011443	.4742	.002774	.0008156
%RSD	.1720579	.3026784	.5381624	.2196549	.1022716	.1774585
#1	6.304262	.2364003	.2124030	215.6669	2.715399	.4587284
#2	6.317343	.2363615	.2138621	216.4257	2.711751	.4597073
#3	6.325834	.2351443	.2116057	215.5536	2.709954	.4603478

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7144162	F 1199.418	2.994341	47.86461	1.781117	^ *****
Stddev	.0121848	13.292	.000972	.09584	.001170	-----
%RSD	1.705560	1.108203	.0324535	.2002231	.0656842	-----
#1	.7108881	1200.769	2.993894	47.87687	1.779768	^ -----
#2	.7279758	1185.502	2.993674	47.76323	1.781715	^ -----
#3	.7043848	1211.983	2.995456	47.95373	1.781866	^ -----

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.44280	1.624135	2.796355	55.32360	^ *****	.3178013
Stddev	.09956	.006374	.008164	.19528	-----	.0004793
%RSD	.6055099	.3924611	.2919613	.3529763	-----	.1508014
#1	16.35368	1.620185	2.787706	55.12741	^ -----	.3175720
#2	16.42446	1.620731	2.797430	55.32544	^ -----	.3174798
#3	16.55026	1.631488	2.803928	55.51795	^ -----	.3183521

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: P3704-01A Acquired: 8/26/2024 2:02:03 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7320024	F 19.20093	F 58.22690	F 17.72142	3.799554	.5084403
Stddev	.0007557	.04102	.37756	.04332	.016935	.0004871
%RSD	.1032355	.2136609	.6484298	.2444240	.4457142	.0957941
#1	.7328512	19.17868	57.90733	17.76035	3.816884	.5088321
#2	.7317532	19.24828	58.12987	17.67476	3.783044	.5085939
#3	.7314028	19.17584	58.64351	17.72914	3.798732	.5078950

Elem	Sr4077
Units	ppm
Avg	3.755850
Stddev	.072380
%RSD	1.927129
#1	3.789141
#2	3.805595
#3	3.672815

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5769.238	80602.66	6861.656	4463.659	5946.925
Stddev	5.327	71.24	14.150	16.805	3.619
%RSD	.0923380	.0883876	.2062120	.3764889	.0608477
#1	5775.378	80649.86	6851.651	4479.525	5951.076
#2	5766.494	80637.41	6855.471	4465.401	5944.431
#3	5765.842	80520.71	6877.845	4446.050	5945.270

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: CCV08 Acquired: 8/26/2024 2:07:17 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV08 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.145312	4.815533	5.102892	5.251303	5.061600	9.565302
Stddev	.012092	.053756	.002121	.008035	.009686	.019631
%RSD	.2350084	1.116314	.0415725	.1530060	.1913582	.2052327
#1	5.140818	4.873767	5.103556	5.242700	5.050782	9.587200
#2	5.136111	4.767806	5.104602	5.252596	5.064550	9.559428
#3	5.159008	4.805025	5.100518	5.258613	5.069468	9.549278

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.971867	.2604624	2.554420	25.55112	1.015963	2.480729
Stddev	.012173	.0011830	.001293	.08026	.002956	.003630
%RSD	.1220689	.4541767	.0506151	.3140984	.2909415	.1463143
#1	9.974331	.2591721	2.555089	25.46104	1.012569	2.480652
#2	9.982619	.2614958	2.552929	25.61502	1.017970	2.477138
#3	9.958651	.2607193	2.555241	25.57730	1.017351	2.484396

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.269951	5.224977	2.543852	25.13981	2.532009	1.283056
Stddev	.000614	.039864	.003598	.07193	.001253	.000528
%RSD	.0483863	.7629475	.1414538	.2861247	.0494880	.0411407
#1	1.270107	5.250761	2.540267	25.15752	2.531225	1.283142
#2	1.269274	5.245109	2.547464	25.20124	2.531348	1.283537
#3	1.270473	5.179062	2.543826	25.06068	2.533454	1.282491

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.11980	2.503548	2.522491	23.92484	5.225560	4.982909
Stddev	.13674	.009801	.008282	.15381	.035382	.007017
%RSD	.5914279	.3914706	.3283190	.6428742	.6770855	.1408276
#1	23.25809	2.496292	2.532050	24.09821	5.184708	4.985606
#2	23.11665	2.514697	2.517960	23.80478	5.245571	4.974943
#3	22.98467	2.499656	2.517463	23.87153	5.246401	4.988178

Sample Name: CCV08 Acquired: 8/26/2024 2:07:17 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV08 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.067511	5.043419	5.199530	5.180943	5.112931	F 4.032040
Stddev	.009923	.009673	.027764	.014382	.014461	.010091
%RSD	.1958117	.1917955	.5339620	.2775857	.2828266	.2502649
#1	5.076173	5.032536	5.228191	5.196010	5.107767	4.039935
#2	5.056685	5.046686	5.197639	5.167363	5.101761	4.035514
#3	5.069677	5.051036	5.172760	5.179455	5.129265	4.020671

Elem	Sr4077
Units	ppm
Avg	5.025888
Stddev	.046510
%RSD	.9254180
#1	5.051942
#2	5.053532
#3	4.972190

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4847.372	66593.39	5604.755	3730.479	6952.070
Stddev	24.993	136.47	24.278	22.375	36.168
%RSD	.5155938	.2049334	.4331749	.5997829	.5202504
#1	4818.955	66459.46	5632.315	3704.654	6911.913
#2	4857.221	66588.45	5586.530	3744.064	6962.216
#3	4865.939	66732.27	5595.418	3742.718	6982.082

Sample Name: CCB08 Acquired: 8/26/2024 2:11:30 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB08 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020464	-.000068	-.001789	-.001004	-.001571	.0050668	-.001727
Stddev	.0013315	.000615	.000567	.001162	.001506	.0106201	.000469
%RSD	65.06572	910.4527	31.69266	115.7038	95.81541	209.6017	27.17527
#1	.0012228	-.000737	-.002280	-.000698	-.002462	.0032782	-.001358
#2	.0013338	.000474	-.001168	-.000026	-.002419	.0164677	-.001567
#3	.0035826	.000060	-.001919	-.002288	.000167	-.004545	-.002255

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000438	-.000151	.0013055	.0001434	-.000059	.0037149	.0127902
Stddev	.0000694	.000043	.0100245	.0002647	.000029	.0002134	.0032743
%RSD	158.3921	28.31888	767.8991	184.5981	49.78027	5.742954	25.59986
#1	-.000007	-.000197	.0113186	-.000098	-.000040	.0039385	.0157985
#2	.000016	-.000144	.0013281	.000101	-.000043	.0035135	.0132692
#3	.000123	-.000113	-.008730	.000427	-.000092	.0036929	.0093027

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001633	.0198721	.0010033	-.000074	-.025230	-.000940	-.000771
Stddev	.0003531	.0190532	.0001498	.000401	.010232	.004670	.000119
%RSD	216.1764	95.87898	14.93073	541.8282	40.55588	496.6893	15.43385
#1	-.000244	.0266012	.0008935	-.000446	-.025195	.000507	-.000640
#2	.000374	.0346476	.0009425	-.000127	-.035480	.002835	-.000801
#3	.000361	-.001633	.0011740	.000350	-.015015	-.006163	-.000872

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2359415	-.008024	-.000083	-.003902	-.003964	.0072492	.0008037
Stddev	.0281762	.000308	.000128	.000705	.000185	.0018888	.0017833
%RSD	11.94202	3.839942	153.4760	18.06428	4.656775	26.05561	221.8681
#1	.2039196	-.007672	-.000120	-.004122	-.003753	.0089246	.0008483
#2	.2469679	-.008245	.000059	-.003113	-.004094	.0076206	-.001001
#3	.2569369	-.008155	-.000188	-.004470	-.004045	.0052022	.002564

Reviewed By:Mohan
On:8/27/2024 8:05:11 AM
Inst Id :P4
LB :LB132157

Sample Name: CCB08 Acquired: 8/26/2024 2:11:30 Type: Unk
Method: NON EPA-6010-200.7(v2379) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB08 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.004845	-.004351	-.000271
Stddev	.001716	.001785	.000087
%RSD	35.41535	41.01734	31.97882
#1	-.003716	-.005941	-.000228
#2	-.006820	-.002421	-.000214
#3	-.004000	-.004691	-.000371

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5133.948	71533.78	5963.551	4022.650	7789.559
Stddev	18.990	111.88	30.542	15.366	13.715
%RSD	.3698915	.1564004	.5121396	.3819753	.1760687
#1	5151.904	71405.79	5996.435	4016.215	7802.041
#2	5135.870	71612.99	5936.074	4040.187	7791.758
#3	5114.071	71582.55	5958.145	4011.548	7774.877

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB162725

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pippete ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #3 2. N/A

Start Digest Date: 08/14/2024 **Time :** 11:00 **Temp :** 96 °C

End Digest Date: TB N/A 081424 **Time :** 13:11 **Temp :** 95 °C

Digestion tube ID: M5785

Block thermometer ID: MET-DIG. #5

Dig Technician Signature: TB

Supervisor Signature:

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6000
LFS-2	1.00	M6009
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
1:1 HNO3	10.00	MP81119
Conc. HNO3	5.00	M5940
30% H2O2	3.00	M5633
Conc. HCL	10.00	M5947
PTFE Boiling Stones	N/A	M5585
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/14/24 13:30	TB Met-Dig	Controlled Cab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB162725

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
P3573-01	S-858-KI-S0-2-2.5-080924	N/A	2.49	100	Brown	Yellow	Medium	No	N/A	1
P3573-02	S-859-KI-S0-2-2.5-080924	N/A	2.15	100	Brown	Yellow	Medium	No	N/A	2
P3573-03	S-859-KI-S0-2-2.5-080924 FD	N/A	2.43	100	Brown	Yellow	Medium	No	N/A	3
P3573-04	S-860-KI-S0-2-2.5-080924	N/A	2.08	100	Brown	Yellow	Medium	No	N/A	4
P3579-02	VCPS-B1-081224-0-16	N/A	2.43	100	Brown	Yellow	Medium	No	N/A	5
P3580-01	926-KI-SD-0-0.5-081224	N/A	2.43	100	Brown	Yellow	Medium	No	N/A	6
P3580-02	926-KI-SD-0.5-1-081224	N/A	2.18	100	Brown	Yellow	Medium	No	N/A	7
P3580-03	925-KI-SD-0-0.5-081224	N/A	2.34	100	Brown	Yellow	Medium	No	N/A	8
P3580-04	925-KI-SD-0.5-1-081224	N/A	2.29	100	Brown	Yellow	Medium	No	N/A	9
P3580-05	923-KI-SD-0-0.5-081224	N/A	2.21	100	Brown	Yellow	Medium	No	N/A	10
P3580-06	923-KI-SD-0.5-1-081224	N/A	2.35	100	Brown	Yellow	Medium	No	N/A	11
P3580-07	922-KI-SD-0-0.5-081224	N/A	2.45	100	Brown	Yellow	Medium	No	N/A	12
P3580-08	922-KI-SD-0.5-1-081224	N/A	2.27	100	Brown	Yellow	Medium	No	N/A	13
P3597-01	SP-1-COMP	N/A	2.30	100	Brown	Yellow	Medium	No	N/A	14
P3598-01	JC-03-081324-A	N/A	2.30	100	Brown	Yellow	Medium	No	N/A	15
P3598-03	JC-03-081324-B	N/A	2.42	100	Brown	Yellow	Medium	No	N/A	16
P3600-02	VCPS-B2-081324-0-12	N/A	2.31	100	Brown	Yellow	Medium	No	N/A	17
P3600-04	VCPS-B3-081324-0-10	N/A	2.37	100	Brown	Yellow	Medium	No	N/A	18
P3600-06	VCPS-B3-081324-10-18	N/A	2.44	100	Brown	Yellow	Medium	No	N/A	19
P3600-06DUP	VCPS-B3-081324-10-18DUP	N/A	2.15	100	Brown	Yellow	Medium	No	N/A	20
P3600-06MS	VCPS-B3-081324-10-18MS	N/A	2.19	100	Brown	Yellow	Medium	No	M6000,M6009	21
P3600-06MSD	VCPS-B3-081324-10-18MSD	N/A	2.19	100	Brown	Yellow	Medium	No	M6000,M6009	22
PB162725BL	PBS725	N/A	2.42	100	Colorless	Colorless	Clear	No	N/A	22
PB162725BS	LCS725	N/A	2.43	100	Colorless	Colorless	Clear	No	M6000,M6009	23

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB162725 **WorkList ID :** 182643 **Department :** Digestion **Date :** 08-14-2024 10:43:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3573-01	S-858-KI-S0-2-2.5-080924	Solid	Metals Group5	Cool 4 deg C	JACO05	D11	08/09/2024	6010D
P3573-02	S-859-KI-S0-2-2.5-080924	Solid	Metals Group5	Cool 4 deg C	JACO05	D11	08/09/2024	6010D
P3573-03	S-859-KI-S0-2-2.5-080924-FD	Solid	Metals Group5	Cool 4 deg C	JACO05	D11	08/09/2024	6010D
P3573-04	S-860-KI-S0-2-2.5-080924	Solid	Metals Group5	Cool 4 deg C	JACO05	D11	08/09/2024	6010D
P3579-02	VCPS-B1-081224-0-16	Solid	Metals ICP-TAL	Cool 4 deg C	ENTE01	K11	08/12/2024	6010D
P3580-01	926-KI-SD-0-0.5-081224	Solid	Metals Group4	Cool 4 deg C	JACO05	D21	08/12/2024	6010D
P3580-02	926-KI-SD-0.5-1-081224	Solid	Metals Group4	Cool 4 deg C	JACO05	D21	08/12/2024	6010D
P3580-03	925-KI-SD-0-0.5-081224	Solid	Metals Group4	Cool 4 deg C	JACO05	D21	08/12/2024	6010D
P3580-04	925-KI-SD-0.5-1-081224	Solid	Metals Group4	Cool 4 deg C	JACO05	D21	08/12/2024	6010D
P3580-05	923-KI-SD-0-0.5-081224	Solid	Metals Group4	Cool 4 deg C	JACO05	D21	08/12/2024	6010D
P3580-06	923-KI-SD-0.5-1-081224	Solid	Metals Group4	Cool 4 deg C	JACO05	D21	08/12/2024	6010D
P3580-07	922-KI-SD-0-0.5-081224	Solid	Metals Group4	Cool 4 deg C	JACO05	D21	08/12/2024	6010D
P3580-08	922-KI-SD-0.5-1-081224	Solid	Metals Group4	Cool 4 deg C	JACO05	D21	08/12/2024	6010D
P3597-01	SP-1-COMP	Solid	Metals ICP-TAL	Cool 4 deg C	JACO05	D21	08/12/2024	6010D
P3598-01	JC-03-081324-A	Solid	Metals ICP-TAL	Cool 4 deg C	EART12	D21	08/13/2024	6010D
P3598-03	JC-03-081324-B	Solid	Metals ICP-TAL	Cool 4 deg C	PSEG05	D32	08/13/2024	6010D
P3600-02	VCPS-B2-081324-0-12	Solid	Metals ICP-TAL	Cool 4 deg C	PSEG05	D32	08/13/2024	6010D
P3600-04	VCPS-B3-081324-0-10	Solid	Metals ICP-TAL	Cool 4 deg C	ENTE01	K11	08/13/2024	6010D
P3600-06	VCPS-B3-081324-10-18	Solid	Metals ICP-TAL	Cool 4 deg C	ENTE01	K11	08/13/2024	6010D

Date/Time 08/14/24 10:50

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 08/14/24 14:00

Raw Sample Received by:

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB162726

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M4909

Hood ID : #3

Block ID: 1. HOT BLOCK #3 2. N/A

Start Digest Date: 08/14/2024 **Time :** 11:10 **Temp :** 96 °C

End Digest Date: 08/14/2024 **Time :** 01:10 **Temp :** 95 °C

Digestion tube ID: M5586

Block thermometer ID: MET-DIG. #1

Dig Technician Signature:

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6000
LFS-2	0.25	M6009
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M5904
1:1 HNO3	5.00	MP81559
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/14/24 13:30		
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB162726

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
P3573-12	EB-01-080924	<2	50	25	Colorless	Colorless	Clear	N/A	N/A	1
P3596-01	918-J-WS-081324	<2	50	25	Colorless	Colorless	Clear	N/A	N/A	2
P3596-01DUP	918-J-WS-081324DUP	<2	50	25	Colorless	Colorless	Clear	N/A	N/A	3
P3596-01MS	918-J-WS-081324MS	<2	50	25	Colorless	Colorless	Clear	N/A	M6000,M6009	4
P3596-01MSD	918-J-WS-081324MSD	<2	50	25	Colorless	Colorless	Clear	N/A	M6000,M6009	5
P3596-02	918-J-WS-081324-FD	<2	50	25	Colorless	Colorless	Clear	N/A	N/A	6
PB162726BL	PBW726	<2	50	25	Colorless	Colorless	Clear	N/A	N/A	7
PB162726BS	LCS726	<2	50	25	Colorless	Colorless	Clear	N/A	M6000,M6009	8

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB162726 **WorkList ID :** 182644 **Department :** Digestion **Date :** 08-14-2024 10:46:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3573-12	EB-01-080924	Water	Metals Group5	Cool 4 deg C	JACO05	D11	08/09/2024	6010D
P3596-01	918-J-WS-081324	Water	Metals Group4	1:1 HNO3 to pH < 2	JACO05	D21	08/13/2024	6010D
P3596-02	918-J-WS-081324-FD	Water	Metals Group4	1:1 HNO3 to pH < 2	JACO05	D21	08/13/2024	6010D

Date/Time 08/14/24 10:55

Raw Sample Received by: MJC

Raw Sample Relinquished by:

Date/Time 08/14/24 14:00

Raw Sample Received by:

Raw Sample Relinquished by: MJC

Alliance TECHNICAL GROUP

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 8/13/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 08/12/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:00
Out Date: 08/13/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB131957

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P3361-06	VHBLK001	1	1.00	1.00	2.00	2.00	100.0	
P3406-04	D3614	2	1.00	1.00	2.00	2.00	100.0	debris
P3406-05	CONCRETE-PADS	3	1.00	1.00	2.00	2.00	100.0	CONCRETE-PADS
P3550-08	R061-B1	4	1.12	8.77	9.89	8.98	89.6	
P3573-01	S-858-KI-S0-2-2.5-080924	5	1.15	8.75	9.9	8.37	82.5	
P3573-02	S-859-KI-S0-2-2.5-080924	6	1.15	8.83	9.98	8.49	83.1	
P3573-03	S-859-KI-S0-2-2.5-080924-FD	7	1.15	8.42	9.57	8.15	83.1	
P3573-04	S-860-KI-S0-2-2.5-080924	8	1.15	8.76	9.91	8.53	84.2	
P3573-05	S-856-J-S0-1-1.5-080924	9	1.12	8.50	9.62	7.96	80.5	
P3573-06	S-856-J-S0-1-1.5-080924-FD	10	1.15	8.84	9.99	8.44	82.5	
P3573-07	S-856-J-S0-1.5-2-080924	11	1.15	8.51	9.66	8.00	80.5	
P3573-08	S-856-J-S0-2-2.5-080924	12	1.18	8.79	9.97	8.23	80.2	
P3573-09	S-856-J-S0-3-3.5-080924	13	1.15	8.82	9.97	8.27	80.7	
P3573-10	S-856-J-S0-4-4.5-080924	14	1.19	8.72	9.91	7.45	71.8	
P3577-01	OILY-DEBRIS	15	1.00	1.00	2.00	2.00	100.0	debris

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

WB 131957

WorkList Name : %1-081224 **WorkList ID :** 182547 **Department :** Wet-Chemistry **Date :** 08-12-2024 07:39:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3361-06	VHBLK001	Solid	Percent Solids	Cool 4 deg C	USEP04	C12	07/25/2024	Chemtech -SO
P3406-04	D3614	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/30/2024	Chemtech -SO
P3406-05	CONCRETE-PADS	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/30/2024	Chemtech -SO
P3550-08	R061-B1	Solid	Percent Solids	Cool 4 deg C	ATCE02	D21	08/09/2024	Chemtech -SO
P3573-01	S-858-KI-S0-2-2.5-080924	Solid	Percent Solids	Cool 4 deg C	JACO05	D11	08/09/2024	Chemtech -SO
P3573-02	S-859-KI-S0-2-2.5-080924	Solid	Percent Solids	Cool 4 deg C	JACO05	D11	08/09/2024	Chemtech -SO
P3573-03	S-859-KI-S0-2-2.5-080924-FD	Solid	Percent Solids	Cool 4 deg C	JACO05	D11	08/09/2024	Chemtech -SO
P3573-04	S-860-KI-S0-2-2.5-080924	Solid	Percent Solids	Cool 4 deg C	JACO05	D11	08/09/2024	Chemtech -SO
P3573-05	S-856-J-S0-1-1.5-080924	Solid	Percent Solids	Cool 4 deg C	JACO05	D11	08/09/2024	Chemtech -SO
P3573-06	S-856-J-S0-1-1.5-080924-FD	Solid	Percent Solids	Cool 4 deg C	JACO05	D11	08/09/2024	Chemtech -SO
P3573-07	S-856-J-S0-1.5-2-080924	Solid	Percent Solids	Cool 4 deg C	JACO05	D11	08/09/2024	Chemtech -SO
P3573-08	S-856-J-S0-2-2.5-080924	Solid	Percent Solids	Cool 4 deg C	JACO05	D11	08/09/2024	Chemtech -SO
P3573-09	S-856-J-S0-3-3.5-080924	Solid	Percent Solids	Cool 4 deg C	JACO05	D11	08/09/2024	Chemtech -SO
P3573-10	S-856-J-S0-4-4.5-080924	Solid	Percent Solids	Cool 4 deg C	JACO05	D11	08/09/2024	Chemtech -SO
P3577-01	OILY-DEBRIS	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2024	Chemtech -SO

Date/Time 08/12/24 15:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 08/12/24 17:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB132039

Review By	jaswal	Review On	8/22/2024 9:20:07 AM
Supervise By	Mohan	Supervise On	8/22/2024 9:20:54 AM

STD. NAME	STD REF.#
ICAL Standard	MP81838,MP81845,MP81843,MP81842,MP81840,MP81839,MP81851
ICV Standard	MP81846
CCV Standard	MP81849
ICSA Standard	MP81847,MP81848
CRI Standard	
LCS Standard	
Chk Standard	MP81852,MP81853

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/15/24 11:23		Kareem	OK
2	S1	S1	CAL2	08/15/24 11:27		Kareem	OK
3	S2	S2	CAL3	08/15/24 11:32		Kareem	OK
4	S3	S3	CAL4	08/15/24 11:36		Kareem	OK
5	S4	S4	CAL5	08/15/24 11:40		Kareem	OK
6	S5	S5	CAL6	08/15/24 11:44		Kareem	OK
7	ICV01	ICV01	ICV	08/15/24 12:24	ICV fail for As,Cd,Mg,Na (200.7)	Kareem	OK
8	LLICV01	LLICV01	LLICV	08/15/24 12:29		Kareem	OK
9	ICB01	ICB01	ICB	08/15/24 12:33		Kareem	OK
10	CRI01	CRI01	CRDL	08/15/24 12:38		Kareem	OK
11	ICSA01	ICSA01	ICSA	08/15/24 12:42		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	08/15/24 12:56		Kareem	OK
13	ICSADL	ICSADL	ICSA	08/15/24 13:00		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	08/15/24 13:11		Kareem	OK
15	CCV01	CCV01	CCV	08/15/24 13:16		Kareem	OK
16	CCB01	CCB01	CCB	08/15/24 13:22		Kareem	OK
17	LR1	LR1	HIGH STD	08/15/24 13:27		Kareem	OK
18	LR2	LR2	HIGH STD	08/15/24 13:32		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB132039

Review By	jaswal	Review On	8/22/2024 9:20:07 AM
Supervise By	Mohan	Supervise On	8/22/2024 9:20:54 AM

STD. NAME	STD REF.#
ICAL Standard	MP81838,MP81845,MP81843,MP81842,MP81840,MP81839,MP81851
ICV Standard	MP81846
CCV Standard	MP81849
ICSA Standard	MP81847,MP81848
CRI Standard	
LCS Standard	
Chk Standard	MP81852,MP81853

19	P3519-21	OU4-CF-03-080624	SAM	08/15/24 13:37		Kareem	OK
20	P3519-23	OU4-CF-04-080624	SAM	08/15/24 13:41		Kareem	OK
21	P3519-25	OU4-CF-05-080624	SAM	08/15/24 13:45		Kareem	OK
22	P3519-27	OU4-CF-06-080624	SAM	08/15/24 13:50		Kareem	OK
23	P3519-29	OU4-CF-07-080624	SAM	08/15/24 13:54		Kareem	OK
24	P3548-12	IN-SITU-SOIL	SAM	08/15/24 13:58		Kareem	OK
25	P3548-12DUP	IN-SITU-SOILDUP	DUP	08/15/24 14:02		Kareem	OK
26	P3548-12L	IN-SITU-SOILL	SD	08/15/24 14:06		Kareem	OK
27	CCV02	CCV02	CCV	08/15/24 14:10		Kareem	OK
28	CCB02	CCB02	CCB	08/15/24 14:15		Kareem	OK
29	P3548-12MS	IN-SITU-SOILMS	MS	08/15/24 14:19		Kareem	OK
30	P3548-12MSD	IN-SITU-SOILMSD	MSD	08/15/24 14:23		Kareem	OK
31	P3548-12A	IN-SITU-SOILA	PS	08/15/24 14:27	0.1 ML OF M6001 AND M6010 WERE ADDED TO 10 ML OF THE SAMPLE	Kareem	OK
32	P3520-02	OU4-CF-08-080624	SAM	08/15/24 14:31	NOT USE	Kareem	Not Ok
33	P3520-04	OU4-CF-09-080624	SAM	08/15/24 14:36	NOT USE	Kareem	Not Ok
34	P3520-06	OU4-CF-10-080624	SAM	08/15/24 14:40	NOT USE	Kareem	Not Ok
35	P3520-08	OU4-CF-11-080624	SAM	08/15/24 14:44	NOT USE	Kareem	Not Ok
36	P3520-10	OU4-CF-12-080624	SAM	08/15/24 14:48	NOT USE	Kareem	Not Ok
37	P3520-12	OU4-CF-13-080624	SAM	08/15/24 14:52	NOT USE	Kareem	Not Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB132039

Review By	jaswal	Review On	8/22/2024 9:20:07 AM
Supervise By	Mohan	Supervise On	8/22/2024 9:20:54 AM

STD. NAME	STD REF.#
ICAL Standard	MP81838,MP81845,MP81843,MP81842,MP81840,MP81839,MP81851
ICV Standard	MP81846
CCV Standard	MP81849
ICSA Standard	MP81847,MP81848
CRI Standard	
LCS Standard	
Chk Standard	MP81852,MP81853

38	P3520-14	OU4-CF-14-080624	SAM	08/15/24 14:57	NOT USE	Kareem	Not Ok
39	CCV03	CCV03	CCV	08/15/24 15:01		Kareem	OK
40	CCB03	CCB03	CCB	08/15/24 15:05		Kareem	OK
41	P3520-16	OU4-VSL-01-080624	SAM	08/15/24 15:10	NOT USE	Kareem	Not Ok
42	P3520-18	OU4-57S-01-080624	SAM	08/15/24 15:14	NOT USE	Kareem	Not Ok
43	P3574-02	WC-W-06-202408	SAM	08/15/24 15:18		Kareem	OK
44	CCV04	CCV04	CCV	08/15/24 15:23		Kareem	OK
45	CCB04	CCB04	CCB	08/15/24 15:27		Kareem	OK
46	P3518-01	OU4-TS-01-080724	SAM	08/15/24 15:31		Kareem	OK
47	P3518-03	OU4-TS-02-080724	SAM	08/15/24 15:36		Kareem	OK
48	P3518-05	OU4-TS-03-080724	SAM	08/15/24 15:40		Kareem	OK
49	P3518-07	OU4-TS-04-080724	SAM	08/15/24 15:44		Kareem	OK
50	P3518-09	OU4-TS-05-080724	SAM	08/15/24 15:48		Kareem	OK
51	PB162626BS	PB162626BS	LCS	08/15/24 15:57	0.1 ML OF M6001 AND M6010 WERE ADDED TO 10 ML OF THE SAMPLE	Kareem	OK
52	P3518-11	OU4-TS-06-080724	SAM	08/15/24 16:01		Kareem	OK
53	P3518-13	OU4-TS-07-080724	SAM	08/15/24 16:05		Kareem	OK
54	PB162626BL	PB162626BL	MB	08/15/24 16:15		Kareem	OK
55	P3518-15	OU4-TS-08-080724	SAM	08/15/24 16:19		Kareem	OK
56	CCV05	CCV05	CCV	08/15/24 16:23		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB132039

Review By	jaswal	Review On	8/22/2024 9:20:07 AM
Supervise By	Mohan	Supervise On	8/22/2024 9:20:54 AM

STD. NAME	STD REF.#
ICAL Standard	MP81838,MP81845,MP81843,MP81842,MP81840,MP81839,MP81851
ICV Standard	MP81846
CCV Standard	MP81849
ICSA Standard	MP81847,MP81848
CRI Standard	
LCS Standard	
Chk Standard	MP81852,MP81853

57	CCB05	CCB05	CCB	08/15/24 16:27		Kareem	OK
58	P3518-17	OU4-TS-09-080724	SAM	08/15/24 16:32		Kareem	OK
59	P3518-19	OU4-TS-10-080724	SAM	08/15/24 16:36		Kareem	OK
60	P3518-21	OU4-TS-11-080724	SAM	08/15/24 16:40		Kareem	OK
61	P3518-23	OU4-TS-12-080724	SAM	08/15/24 16:44		Kareem	OK
62	P3596-01	918-J-WS-081324	SAM	08/15/24 16:49		Kareem	OK
63	P3596-01DUP	918-J-WS-081324DUI	DUP	08/15/24 16:53		Kareem	OK
64	P3596-01L	918-J-WS-081324L	SD	08/15/24 16:57		Kareem	OK
65	P3596-01MS	918-J-WS-081324MS	MS	08/15/24 17:02		Kareem	OK
66	P3596-01MSD	918-J-WS-081324MS	MSD	08/15/24 17:06		Kareem	OK
67	P3596-01A	918-J-WS-081324A	PS	08/15/24 17:10	0.1 ML OF M6001 AND M6010 WERE ADDED TO 10 ML OF THE SAMPLE	Kareem	OK
68	CCV06	CCV06	CCV	08/15/24 17:14		Kareem	OK
69	CCB06	CCB06	CCB	08/15/24 17:18		Kareem	OK
70	P3596-02	918-J-WS-081324-FD	SAM	08/15/24 17:23		Kareem	OK
71	P3518-25	OU4-TS-13-080724	SAM	08/15/24 17:27		Kareem	OK
72	P3518-27	OU4-TS-14-080724	SAM	08/15/24 17:31		Kareem	OK
73	P3518-29	OU4-TS-15-080724	SAM	08/15/24 17:35		Kareem	OK
74	P3549-01	SU-04-080924	SAM	08/15/24 17:40	NOT USE - MS,MSD,SD,A missing	Kareem	Not Ok

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB132039

Review By	jaswal	Review On	8/22/2024 9:20:07 AM
Supervise By	Mohan	Supervise On	8/22/2024 9:20:54 AM

STD. NAME	STD REF.#
ICAL Standard	MP81838,MP81845,MP81843,MP81842,MP81840,MP81839,MP81851
ICV Standard	MP81846
CCV Standard	MP81849
ICSA Standard	MP81847,MP81848
CRI Standard	
LCS Standard	
Chk Standard	MP81852,MP81853

75	P3549-01DUP	SU-04-080924DUP	DUP	08/15/24 17:44	NOT USE - MS,MSD,SD,A missing	Kareem	Not Ok
76	P3520-01	OU4-CF-08-080624	SAM	08/15/24 17:48		Kareem	OK
77	P3520-03	OU4-CF-09-080624	SAM	08/15/24 17:53		Kareem	OK
78	P3520-05	OU4-CF-10-080624	SAM	08/15/24 17:57		Kareem	OK
79	P3520-07	OU4-CF-11-080624	SAM	08/15/24 18:01		Kareem	OK
80	CCV07	CCV07	CCV	08/15/24 18:11		Kareem	OK
81	CCB07	CCB07	CCB	08/15/24 18:16		Kareem	OK
82	P3520-09	OU4-CF-12-080624	SAM	08/15/24 18:20		Kareem	OK
83	P3520-11	OU4-CF-13-080624	SAM	08/15/24 18:24		Kareem	OK
84	P3520-13	OU4-CF-14-080624	SAM	08/15/24 18:29		Kareem	OK
85	P3520-15	OU4-VSL-01-080624	SAM	08/15/24 18:33		Kareem	OK
86	P3520-17	OU4-57S-01-080624	SAM	08/15/24 18:37		Kareem	OK
87	P3386-02	EFF-WW	SAM	08/15/24 18:41		Kareem	OK
88	P3386-02DUP	EFF-WWDUP	DUP	08/15/24 18:46		Kareem	OK
89	P3386-02L	EFF-WWL	SD	08/15/24 18:50		Kareem	OK
90	P3386-02MS	EFF-WWMS	MS	08/15/24 18:54		Kareem	OK
91	P3386-02MSD	EFF-WWMSD	MSD	08/15/24 18:59		Kareem	OK
92	CCV08	CCV08	CCV	08/15/24 19:03		Kareem	OK
93	CCB08	CCB08	CCB	08/15/24 19:07		Kareem	OK

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Supervise By	Mohan	Supervise On	8/22/2024 9:20:54 AM

STD. NAME	STD REF.#
ICAL Standard	MP81838,MP81845,MP81843,MP81842,MP81840,MP81839,MP81851
ICV Standard	MP81846
CCV Standard	MP81849
ICSA Standard	MP81847,MP81848
CRI Standard	
LCS Standard	
Chk Standard	MP81852,MP81853

94	P3386-02A	EFF-WWA	PS	08/15/24 19:11	0.1 ML OF M6001 AND M6010 WERE ADDED TO 10 ML OF THE SAMPLE	Kareem	OK
95	PB162768BL	PB162768BL	MB	08/15/24 19:16		Kareem	OK
96	PB162768BS	PB162768BS	LCS	08/15/24 19:20	0.1 ML OF M6001 AND M6010 WERE ADDED TO 10 ML OF THE SAMPLE	Kareem	OK
97	CCV09	CCV09	CCV	08/15/24 19:35	CCV fail for K,Na	Kareem	OK
98	CCB09	CCB09	CCB	08/15/24 19:40		Kareem	OK

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Daily Analysis Runlog For Sequence/QCBatch ID # LB132142

Review By	Jaswal	Review On	8/24/2024 8:00:48 AM
Supervise By	Mohan	Supervise On	8/24/2024 8:02:39 AM

STD. NAME	STD REF.#
ICAL Standard	MP81985,MP81990,MP81989,MP81988,MP81987,MP81986
ICV Standard	MP81993
CCV Standard	MP81996
ICSA Standard	MP81994,MP81995
CRI Standard	MP81992,MP81998,MP81999
LCS Standard	
Chk Standard	MP82001,MP82000

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/23/24 09:27		Kareem	OK
2	S1	S1	CAL2	08/23/24 09:31		Kareem	OK
3	S2	S2	CAL3	08/23/24 09:36		Kareem	OK
4	S3	S3	CAL4	08/23/24 09:40		Kareem	OK
5	S4	S4	CAL5	08/23/24 09:44		Kareem	OK
6	S5	S5	CAL6	08/23/24 09:48		Kareem	OK
7	ICV01	ICV01	ICV	08/23/24 09:52	ICV fail for B,Mo,Sr,Sn,Ti (6010D)	Kareem	OK
8	LLICV01	LLICV01	LLICV	08/23/24 09:56		Kareem	OK
9	ICB01	ICB01	ICB	08/23/24 10:01		Kareem	OK
10	CRI01	CRI01	CRDL	08/23/24 10:05		Kareem	OK
11	ICSA01	ICSA01	ICSA	08/23/24 10:09		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	08/23/24 10:14	ICSAB fail for B,Mo,Sn	Kareem	OK
13	CCV01	CCV01	CCV	08/23/24 10:22		Kareem	OK
14	CCB01	CCB01	CCB	08/23/24 10:27		Kareem	OK
15	LR1	LR1	HIGH STD	08/23/24 10:31		Kareem	OK
16	P3636-01	OILY-DEBRIS	SAM	08/23/24 10:42		Kareem	OK
17	P3669-03	1027	SAM	08/23/24 10:46		Kareem	OK
18	PB162682TB	PB162682TB	MB	08/23/24 10:50		Kareem	OK

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Supervise By	Mohan	Supervise On	8/24/2024 8:02:39 AM

STD. NAME	STD REF.#
ICAL Standard	MP81985,MP81990,MP81989,MP81988,MP81987,MP81986
ICV Standard	MP81993
CCV Standard	MP81996
ICSA Standard	MP81994,MP81995
CRI Standard	MP81992,MP81998,MP81999
LCS Standard	
Chk Standard	MP82001,MP82000

19	LR2	LR2	HIGH STD	08/23/24 10:56		Kareem	OK
20	PB162724BL	PB162724BL	MB	08/23/24 11:01		Kareem	OK
21	PB162724BS	PB162724BS	LCS	08/23/24 11:06	0.1ml of m6100 and m6010 were added to 10 ml of sample	Kareem	OK
22	PB162726BL	PB162726BL	MB	08/23/24 11:10	NOT USE - ICV fail for B,Mo,Sr,Sn,Ti (6010D)	Kareem	Not Ok
23	P3669-05	20430	SAM	08/23/24 11:14		Kareem	OK
24	CCV02	CCV02	CCV	08/23/24 11:19		Kareem	OK
25	CCB02	CCB02	CCB	08/23/24 11:23		Kareem	OK
26	PB162726BS	PB162726BS	LCS	08/23/24 11:28	NOT USE - ICV fail for B,Mo,Sr,Sn,Ti (6010D)	Kareem	Not Ok
27	PB162556TBRE	PB162556TBRE	MB	08/23/24 11:32	NOT USE	Kareem	Not Ok
28	P3461-04	P3461-01 - CHRT-286	SAM	08/23/24 11:36		Kareem	OK
29	P3669-01	20430	SAM	08/23/24 11:40		Kareem	OK
30	PB162869BL	PB162869BL	MB	08/23/24 11:45		Kareem	OK
31	PB162869BS	PB162869BS	LCS	08/23/24 11:49	0.1ml of m6100 and m6010 were added to 10 ml of sample	Kareem	OK
32	P3684-03	D3646	SAM	08/23/24 11:53		Kareem	OK
33	P3684-04	D3638	SAM	08/23/24 11:58		Kareem	OK
34	P3684-06	D3564	SAM	08/23/24 12:02		Kareem	OK
35	P3685-02	Stock Pile-1	SAM	08/23/24 12:07		Kareem	OK
36	CCV03	CCV03	CCV	08/23/24 12:11		Kareem	OK

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STD. NAME	STD REF.#
ICAL Standard	MP81985,MP81990,MP81989,MP81988,MP81987,MP81986
ICV Standard	MP81993
CCV Standard	MP81996
ICSA Standard	MP81994,MP81995
CRI Standard	MP81992,MP81998,MP81999
LCS Standard	
Chk Standard	MP82001,MP82000

37	CCB03	CCB03	CCB	08/23/24 12:15		Kareem	OK
38	P3704-03A	LNG-Soil PileA	PS	08/23/24 12:20	0.1ml of m6100 and m6010 were added to 10 ml of sample	Kareem	Not Ok
39	PB162890TB	PB162890TB	MB	08/23/24 12:24	NOT USE	Kareem	Not Ok
40	P3580-08	922-K1-SD-0.5-1-0811	SAM	08/23/24 12:41	NOT USE	Kareem	Not Ok
41	P3689-01	WC-1	SAM	08/23/24 12:45		Kareem	OK
42	P3694-02	Kingsland-Driveway	SAM	08/23/24 12:49		Kareem	OK
43	P3699-01DL	001-CONTAINER-WC	SAM	08/23/24 12:54	Straight 25x for all elements	Kareem	OK
44	P3699-02	002-CARPENTER-WC	SAM	08/23/24 12:58		Kareem	OK
45	P3650-01	RW7-SP100-2024081	SAM	08/23/24 13:03		Kareem	OK
46	PB162907BL	PB162907BL	MB	08/23/24 13:07		Kareem	OK
47	P3650-04	RW7-SP303-2024081	SAM	08/23/24 13:11		Kareem	OK
48	CCV04	CCV04	CCV	08/23/24 13:16		Kareem	OK
49	CCB04	CCB04	CCB	08/23/24 13:20		Kareem	OK
50	P3685-04	Stock Pile-2	SAM	08/23/24 13:24		Kareem	OK
51	P3685-01	Stock Pile-1	SAM	08/23/24 13:29		Kareem	OK
52	PB162907BS	PB162907BS	LCS	08/23/24 13:33	0.1ml of m6100 and m6010 were added to 10 ml of sample	Kareem	OK
53	P3685-03	Stock Pile-2	SAM	08/23/24 13:37		Kareem	OK
54	P3704-03	LNG-Soil Pile	SAM	08/23/24 13:41	Only for Fax	Kareem	Not Ok

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ICAL Standard	MP81985,MP81990,MP81989,MP81988,MP81987,MP81986
ICV Standard	MP81993
CCV Standard	MP81996
ICSA Standard	MP81994,MP81995
CRI Standard	MP81992,MP81998,MP81999
LCS Standard	
Chk Standard	MP82001,MP82000

55	P3704-03L	LNG-Soil PileL	SD	08/23/24 13:46	SD fail for many elements	Kareem	Not Ok
56	P3704-03DUP	LNG-Soil PileDUP	DUP	08/23/24 13:50	SD fail for many elements	Kareem	Not Ok
57	P3704-03MS	LNG-Soil PileMS	MS	08/23/24 13:55	SD fail for many elements	Kareem	Not Ok
58	P3704-03MSD	LNG-Soil PileMSD	MSD	08/23/24 13:59	SD fail for many elements	Kareem	Not Ok
59	P3685-04DUP	Stock Pile-2DUP	DUP	08/23/24 14:03		Kareem	OK
60	CCV05	CCV05	CCV	08/23/24 14:08		Kareem	OK
61	CCB05	CCB05	CCB	08/23/24 14:12		Kareem	OK
62	PB162556TB	PB162556TB	MB	08/23/24 14:16		Kareem	OK
63	P3685-04L	Stock Pile-2L	SD	08/23/24 14:21		Kareem	OK
64	P3669-01DUP	20430DUP	DUP	08/23/24 14:25		Kareem	OK
65	P3669-01L	20430L	SD	08/23/24 14:29		Kareem	OK
66	P3669-01MS	20430MS	MS	08/23/24 14:34		Kareem	OK
67	P3669-01MSD	20430MSD	MSD	08/23/24 14:38		Kareem	OK
68	P3669-01A	20430A	PS	08/23/24 14:42	0.1ml of m6100 and m6010 were added to 10 ml of sample	Kareem	OK
69	P3686-02	DNB-47-COMPOSITE	SAM	08/23/24 14:46		Kareem	OK
70	P3685-04MS	Stock Pile-2MS	MS	08/23/24 14:50		Kareem	OK
71	P3685-04MSD	Stock Pile-2MSD	MSD	08/23/24 14:54		Kareem	OK
72	CCV06	CCV06	CCV	08/23/24 14:59		Kareem	OK
73	CCB06	CCB06	CCB	08/23/24 15:03		Kareem	OK

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STD. NAME	STD REF.#
ICAL Standard	MP81985,MP81990,MP81989,MP81988,MP81987,MP81986
ICV Standard	MP81993
CCV Standard	MP81996
ICSA Standard	MP81994,MP81995
CRI Standard	MP81992,MP81998,MP81999
LCS Standard	
Chk Standard	MP82001,MP82000

74	P3685-04A	Stock Pile-2A	PS	08/23/24 15:07	0.1ml of m6100 and m6010 were added to 10 ml of sample	Kareem	OK
75	P3684-08	T3650	SAM	08/23/24 15:11		Kareem	OK
76	P3684-09DL	D3643DL	SAM	08/23/24 15:16	Straight 25x for all elements	Kareem	OK
77	P3684-10	D3637	SAM	08/23/24 15:20		Kareem	OK
78	PB162871TB	PB162871TB	MB	08/23/24 15:24		Kareem	OK
79	PB162873TB	PB162873TB	MB	08/23/24 15:29		Kareem	OK
80	PB162889BS	PB162889BS	LCS	08/23/24 15:38	0.1ml of m6100 and m6010 were added to 10 ml of sample	Kareem	OK
81	PB162889BL	PB162889BL	MB	08/23/24 15:43		Kareem	OK
82	P3669-03DUP	1027DUP	DUP	08/23/24 15:47		Kareem	OK
83	P3669-03L	1027L	SD	08/23/24 15:51		Kareem	OK
84	CCV07	CCV07	CCV	08/23/24 15:56		Kareem	OK
85	CCB07	CCB07	CCB	08/23/24 16:00		Kareem	OK
86	P3669-03MS	1027MS	MS	08/23/24 16:04		Kareem	OK
87	P3669-03MSD	1027MSD	MSD	08/23/24 16:08		Kareem	OK
88	P3669-03A	1027A	PS	08/23/24 16:13	0.1ml of m6100 and m6010 were added to 10 ml of sample	Kareem	OK
89	PB162615BL	PB162615BL	MB	08/23/24 16:17		Kareem	OK

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ICV Standard	MP81993
CCV Standard	MP81996
ICSA Standard	MP81994,MP81995
CRI Standard	MP81992,MP81998,MP81999
LCS Standard	
Chk Standard	MP82001,MP82000

90	PB162615BS	PB162615BS	LCS	08/23/24 16:21	0.1ml of m6100 and m6010 were added to 10 ml of sample	Kareem	OK
91	PB162625BL	PB162625BL	MB	08/23/24 16:25	fail for Tl	Kareem	Not Ok
92	PB162870BL	PB162870BL	MB	08/23/24 16:30		Kareem	OK
93	PB162870BS	PB162870BS	LCS	08/23/24 16:34	0.1ml of m6100 and m6010 were added to 10 ml of sample	Kareem	OK
94	PB162625BS	PB162625BS	LCS	08/23/24 16:38	fail for Tl	Kareem	Not Ok
95	PB162766BL	PB162766BL	MB	08/23/24 16:43		Kareem	OK
96	CCV08	CCV08	CCV	08/23/24 16:47		Kareem	OK
97	CCB08	CCB08	CCB	08/23/24 16:51		Kareem	OK
98	PB162766BS	PB162766BS	LCS	08/23/24 16:55	0.1ml of m6100 and m6010 were added to 10 ml of sample	Kareem	OK
99	PB162789BL	PB162789BL	MB	08/23/24 17:00		Kareem	OK
100	PB162789BS	PB162789BS	LCS	08/23/24 17:04	0.1ml of m6100 and m6010 were added to 10 ml of sample	Kareem	OK
101	PB162765BL	PB162765BL	MB	08/23/24 17:08		Kareem	OK
102	PB162765BS	PB162765BS	LCS	08/23/24 17:12	0.1ml of m6100 and m6010 were added to 10 ml of sample	Kareem	OK
103	PB162830BL	PB162830BL	MB	08/23/24 17:17		Kareem	OK
104	PB162830BS	PB162830BS	LCS	08/23/24 17:26	0.1ml of m6100 and m6010 were added to 10 ml of sample	Kareem	OK

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STD. NAME	STD REF.#
ICAL Standard	MP81985,MP81990,MP81989,MP81988,MP81987,MP81986
ICV Standard	MP81993
CCV Standard	MP81996
ICSA Standard	MP81994,MP81995
CRI Standard	MP81992,MP81998,MP81999
LCS Standard	
Chk Standard	MP82001,MP82000

105	PB162818BL	PB162818BL	MB	08/23/24 17:31		Kareem	OK
106	PB162818BS	PB162818BS	LCS	08/23/24 17:35	0.1ml of m6100 and m6010 were added to 10 ml of sample	Kareem	OK
107	PB162683TB	PB162683TB	MB	08/23/24 17:46		Kareem	OK
108	CCV09	CCV09	CCV	08/23/24 18:27	0.1ml of m6100 and m6010 were added to 10 ml of sample	Kareem	OK
109	CCB09	CCB09	CCB	08/23/24 18:31		Kareem	OK
110	PB162725BL	PB162725BL	MB	08/23/24 18:36		Kareem	OK
111	PB162725BS	PB162725BS	LCS	08/23/24 18:40	0.1ml of m6100 and m6010 were added to 10 ml of sample	Kareem	OK
112	PB162806TB	PB162806TB	MB	08/23/24 18:44		Kareem	OK
113	P3573-12	EB-01-080924	SAM	08/23/24 18:49		Kareem	OK
114	P3475-05	S-858-K1-SO-1.0-1.5-	SAM	08/23/24 18:53	NOT USE	Kareem	Not Ok
115	P3475-05DUP	S-858-K1-SO-1.0-1.5-	DUP	08/23/24 18:57	NOT USE	Kareem	Not Ok
116	P3475-05L	S-858-K1-SO-1.0-1.5-	SD	08/23/24 19:01	NOT USE	Kareem	Not Ok
117	P3475-05MS	S-858-K1-SO-1.0-1.5-	MS	08/23/24 19:06	NOT USE	Kareem	Not Ok
118	P3475-05MSD	S-858-K1-SO-1.0-1.5-	MSD	08/23/24 19:10	NOT USE	Kareem	Not Ok
119	P3475-05A	S-858-K1-SO-1.0-1.5-	PS	08/23/24 19:14	NOT USE	Kareem	Not Ok
120	CCV10	CCV10	CCV	08/23/24 19:23		Kareem	OK
121	CCB10	CCB10	CCB	08/23/24 19:27		Kareem	OK

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Review By	Jaswal	Review On	8/24/2024 8:00:48 AM
Supervise By	Mohan	Supervise On	8/24/2024 8:02:39 AM

STD. NAME	STD REF.#
ICAL Standard	MP81985,MP81990,MP81989,MP81988,MP81987,MP81986
ICV Standard	MP81993
CCV Standard	MP81996
ICSA Standard	MP81994,MP81995
CRI Standard	MP81992,MP81998,MP81999
LCS Standard	
Chk Standard	MP82001,MP82000

122	P3526-01	SP-1-COMP	SAM	08/23/24 19:31		Kareem	OK
123	P3526-01DUP	SP-1-COMPDUP	DUP	08/23/24 19:35		Kareem	OK
124	P3526-01L	SP-1-COMPL	SD	08/23/24 19:39		Kareem	OK
125	P3526-01MS	SP-1-COMPMS	MS	08/23/24 19:44		Kareem	OK
126	P3526-01MSD	SP-1-COMPMSD	MSD	08/23/24 19:48		Kareem	OK
127	P3526-01A	SP-1-COMPA	PS	08/23/24 19:52	0.1ml of m6100 and m6010 were added to 10 ml of sample	Kareem	OK
128	P3573-01	S-858-KI-SO-2-2.5-08	SAM	08/23/24 19:56		Kareem	OK
129	P3573-02	S-859-KI-SO-2-2.5-08	SAM	08/23/24 20:00		Kareem	OK
130	P3573-03	S-859-KI-SO-2-2.5-08	SAM	08/23/24 20:04		Kareem	OK
131	P3573-04	S-860-KI-SO-2-2.5-08	SAM	08/23/24 20:08		Kareem	OK
132	CCV11	CCV11	CCV	08/23/24 20:47		Kareem	OK
133	CCB11	CCB11	CCB	08/23/24 20:51		Kareem	OK

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Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB132156

Review By	Jaswal	Review On	8/27/2024 8:04:13 AM
Supervise By	Mohan	Supervise On	8/27/2024 8:05:04 AM

STD. NAME	STD REF.#
ICAL Standard	MP81985,MP81990,MP81989,MP81988,MP81987,MP81986
ICV Standard	MP81993
CCV Standard	MP81996
ICSA Standard	MP81994,MP81995
CRI Standard	MP81992,MP81998,MP81999
LCS Standard	
Chk Standard	MP82001,MP82000

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/24/24 09:57		Kareem	OK
2	S1	S1	CAL2	08/24/24 10:01		Kareem	OK
3	S2	S2	CAL3	08/24/24 10:05		Kareem	OK
4	S3	S3	CAL4	08/24/24 10:10		Kareem	OK
5	S4	S4	CAL5	08/24/24 10:14		Kareem	OK
6	S5	S5	CAL6	08/24/24 10:18		Kareem	OK
7	ICV01	ICV01	ICV	08/24/24 10:27	ICV fail for Na,Sr(95-105)%	Kareem	OK
8	LLICV01	LLICV01	LLICV	08/24/24 10:49		Kareem	OK
9	ICB01	ICB01	ICB	08/24/24 10:53		Kareem	OK
10	CRI01	CRI01	CRDL	08/24/24 11:04		Kareem	OK
11	ICSA01	ICSA01	ICSA	08/24/24 11:08		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	08/24/24 11:33		Kareem	OK
13	ICSADL	ICSADL	ICSA	08/24/24 11:37		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	08/24/24 11:42		Kareem	OK
15	CCV01	CCV01	CCV	08/24/24 11:46		Kareem	OK
16	CCB01	CCB01	CCB	08/24/24 11:50		Kareem	OK
17	LR1	LR1	HIGH STD	08/24/24 11:55		Kareem	OK
18	PB162726BL	PB162726BL	MB	08/24/24 12:05		Kareem	OK

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Supervise By	Mohan	Supervise On	8/27/2024 8:05:04 AM

STD. NAME	STD REF.#
ICAL Standard	MP81985,MP81990,MP81989,MP81988,MP81987,MP81986
ICV Standard	MP81993
CCV Standard	MP81996
ICSA Standard	MP81994,MP81995
CRI Standard	MP81992,MP81998,MP81999
LCS Standard	
Chk Standard	MP82001,MP82000

19	PB162726BS	PB162726BS	LCS	08/24/24 12:09	0.1 ML M6001 AND M6010 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
20	LR2	LR2	HIGH STD	08/24/24 12:13		Kareem	OK
21	PB162625BL	PB162625BL	MB	08/24/24 12:19		Kareem	OK
22	PB162625BS	PB162625BS	LCS	08/24/24 12:23	0.1 ML M6001 AND M6010 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
23	P3622-01	028-OUTFALL	SAM	08/24/24 12:27		Kareem	OK
24	P3687-05	001-WILLETS-PT-BL\	SAM	08/24/24 12:31		Kareem	OK
25	P3687-06	002-35TH-AVE(AUG)	SAM	08/24/24 12:36		Kareem	OK
26	P3687-06DUP	002-35TH-AVE(AUG)I	DUP	08/24/24 12:40		Kareem	OK
27	CCV02	CCV02	CCV	08/24/24 12:49		Kareem	OK
28	CCB02	CCB02	CCB	08/24/24 12:53		Kareem	OK
29	P3687-06L	002-35TH-AVE(AUG)I	SD	08/24/24 12:57		Kareem	OK
30	P3687-06MS	002-35TH-AVE(AUG)I	MS	08/24/24 13:01		Kareem	OK
31	P3687-06MSD	002-35TH-AVE(AUG)I	MSD	08/24/24 13:05		Kareem	OK
32	P3687-06A	002-35TH-AVE(AUG)A	PS	08/24/24 13:09	0.1 ML M6001 AND M6010 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
33	PB162912BL	PB162912BL	MB	08/24/24 13:14		Kareem	OK
34	PB162912BS	PB162912BS	LCS	08/24/24 13:18	0.1 ML M6001 AND M6010 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK

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Supervise By	Mohan	Supervise On	8/27/2024 8:05:04 AM

STD. NAME	STD REF.#
ICAL Standard	MP81985,MP81990,MP81989,MP81988,MP81987,MP81986
ICV Standard	MP81993
CCV Standard	MP81996
ICSA Standard	MP81994,MP81995
CRI Standard	MP81992,MP81998,MP81999
LCS Standard	
Chk Standard	MP82001,MP82000

35	P3645-01	914-J-WS-081524	SAM	08/24/24 13:22		Kareem	OK
36	P3645-02	916-J-WS-081524	SAM	08/24/24 13:26		Kareem	OK
37	P3656-01	MW-1	SAM	08/24/24 13:31		Kareem	OK
38	P3656-02	MW-1	SAM	08/24/24 13:35		Kareem	OK
39	CCV03	CCV03	CCV	08/24/24 13:44		Kareem	OK
40	CCB03	CCB03	CCB	08/24/24 13:48		Kareem	OK
41	P3656-03	MW-3	SAM	08/24/24 13:52		Kareem	OK
42	P3656-04	MW-3	SAM	08/24/24 13:57		Kareem	OK
43	P3656-05	MW-4	SAM	08/24/24 14:01		Kareem	OK
44	P3656-06	MW-4	SAM	08/24/24 14:06		Kareem	OK
45	P3656-07	MW-2	SAM	08/24/24 14:10		Kareem	OK
46	P3656-08	MW-2	SAM	08/24/24 14:14		Kareem	OK
47	P3657-01	917-J-WS-081624	SAM	08/24/24 14:19		Kareem	OK
48	P3657-01DUP	917-J-WS-081624DUI	DUP	08/24/24 14:23		Kareem	OK
49	P3657-01L	917-J-WS-081624L	SD	08/24/24 14:27		Kareem	OK
50	P3657-01MS	917-J-WS-081624MS	MS	08/24/24 14:31		Kareem	OK
51	CCV04	CCV04	CCV	08/24/24 14:36		Kareem	OK
52	CCB04	CCB04	CCB	08/24/24 14:40		Kareem	OK
53	P3657-01MSD	917-J-WS-081624MS	MSD	08/24/24 14:44		Kareem	OK
54	P3657-01A	917-J-WS-081624A	PS	08/24/24 14:48		Kareem	OK

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Supervise By	Mohan	Supervise On	8/27/2024 8:05:04 AM

STD. NAME	STD REF.#
ICAL Standard	MP81985,MP81990,MP81989,MP81988,MP81987,MP81986
ICV Standard	MP81993
CCV Standard	MP81996
ICSA Standard	MP81994,MP81995
CRI Standard	MP81992,MP81998,MP81999
LCS Standard	
Chk Standard	MP82001,MP82000

55	PB162819BL	PB162819BL	MB	08/24/24 14:52		Kareem	OK
56	PB162819BS	PB162819BS	LCS	08/24/24 14:56	0.1 ML M6001 AND M6010 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
57	P3579-02	VCPS-B1-081224-0-1	SAM	08/24/24 15:01		Kareem	OK
58	P3580-01	926-K1-SD-0-0.5-081	SAM	08/24/24 15:05	Method change on log in page	Kareem	Not Ok
59	P3580-02	926-K1-SD-0.5-1-081	SAM	08/24/24 15:09	Method change on log in page	Kareem	Not Ok
60	P3597-01	SP-1-COMP	SAM	08/24/24 15:16		Kareem	OK
61	P3600-02	VCPS-B2-081324-0-1	SAM	08/24/24 15:21		Kareem	OK
62	CCV05	CCV05	CCV	08/24/24 15:25		Kareem	OK
63	CCB05	CCB05	CCB	08/24/24 15:29		Kareem	OK

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Daily Analysis Runlog For Sequence/QCBatch ID # LB132157

Review By	Jaswal	Review On	8/27/2024 8:04:22 AM
Supervise By	Mohan	Supervise On	8/27/2024 8:05:11 AM

STD. NAME	STD REF.#
ICAL Standard	MP81985,MP81990,MP81989,MP81988,MP81987,MP81986
ICV Standard	MP81993
CCV Standard	MP81996
ICSA Standard	MP81994,MP81995
CRI Standard	MP81992,MP81998,MP81999
LCS Standard	
Chk Standard	MP82001,MP82000

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/25/24 18:22		Kareem	OK
2	S1	S1	CAL2	08/25/24 18:26		Kareem	OK
3	S2	S2	CAL3	08/25/24 18:31		Kareem	OK
4	S3	S3	CAL4	08/25/24 18:35		Kareem	OK
5	S4	S4	CAL5	08/25/24 18:39		Kareem	OK
6	S5	S5	CAL6	08/25/24 18:43		Kareem	OK
7	ICV01	ICV01	ICV	08/25/24 18:47		Kareem	OK
8	LLICV01	LLICV01	LLICV	08/25/24 19:17		Kareem	OK
9	ICB01	ICB01	ICB	08/25/24 19:22		Kareem	OK
10	CRI01	CRI01	CRDL	08/25/24 19:26		Kareem	OK
11	ICSA01	ICSA01	ICSA	08/25/24 19:36		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	08/25/24 19:40		Kareem	OK
13	CCV01	CCV01	CCV	08/25/24 19:44		Kareem	OK
14	CCB01	CCB01	CCB	08/25/24 19:48		Kareem	OK
15	LR1	LR1	HIGH STD	08/25/24 19:53		Kareem	OK
16	P3600-04	VCPS-B3-081324-0-1	SAM	08/25/24 20:04		Kareem	OK
17	P3580-03	925-K1-SD-0-0.5-081	SAM	08/25/24 20:08	Method changed on login page	Kareem	Not Ok
18	P3580-04	925-K1-SD-0.5-1-081	SAM	08/25/24 20:12	Method changed on login page	Kareem	Not Ok

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ICAL Standard	MP81985,MP81990,MP81989,MP81988,MP81987,MP81986
ICV Standard	MP81993
CCV Standard	MP81996
ICSA Standard	MP81994,MP81995
CRI Standard	MP81992,MP81998,MP81999
LCS Standard	
Chk Standard	MP82001,MP82000

19	P3580-05	923-K1-SD-0-0.5-081	SAM	08/25/24 20:16	Method changed on login page	Kareem	Not Ok
20	P3580-06	923-K1-SD-0.5-1-081	SAM	08/25/24 20:21	Method changed on login page	Kareem	Not Ok
21	P3580-07	922-K1-SD-0-0.5-081	SAM	08/25/24 20:25	Method changed on login page	Kareem	Not Ok
22	P3600-06	VCPS-B3-081324-10-	SAM	08/25/24 20:29		Kareem	OK
23	P3600-06DUP	VCPS-B3-081324-10-	DUP	08/25/24 20:33		Kareem	OK
24	CCV02	CCV02	CCV	08/25/24 20:37		Kareem	OK
25	CCB02	CCB02	CCB	08/25/24 20:41		Kareem	OK
26	P3600-06L	VCPS-B3-081324-10-	SD	08/25/24 20:46		Kareem	OK
27	P3600-06MS	VCPS-B3-081324-10-	MS	08/25/24 20:50		Kareem	OK
28	P3600-06MSD	VCPS-B3-081324-10-	MSD	08/25/24 20:54		Kareem	OK
29	P3600-06A	VCPS-B3-081324-10-	PS	08/25/24 20:58	0.1 of m6001 and m6010 were added to 10 ml of the sample	Kareem	OK
30	P3640-02	SP-1-COMP	SAM	08/25/24 21:02		Kareem	OK
31	P3640-02DUP	SP-1-COMPDUP	DUP	08/25/24 21:07		Kareem	OK
32	P3640-02L	SP-1-COMPL	SD	08/25/24 21:11		Kareem	OK
33	P3640-02MS	SP-1-COMPMS	MS	08/25/24 21:15		Kareem	OK
34	P3640-02MSD	SP-1-COMPMSD	MSD	08/25/24 21:20		Kareem	OK
35	P3640-02A	SP-1-COMPA	PS	08/25/24 21:24	0.1 of m6001 and m6010 were added to 10 ml of the sample	Kareem	OK

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Supervise By	Mohan	Supervise On	8/27/2024 8:05:11 AM

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ICAL Standard	MP81985,MP81990,MP81989,MP81988,MP81987,MP81986
ICV Standard	MP81993
CCV Standard	MP81996
ICSA Standard	MP81994,MP81995
CRI Standard	MP81992,MP81998,MP81999
LCS Standard	
Chk Standard	MP82001,MP82000

36	CCV03	CCV03	CCV	08/25/24 21:28		Kareem	OK
37	CCB03	CCB03	CCB	08/25/24 21:37		Kareem	OK
38	LR2	LR2	HIGH STD	08/25/24 21:42		Kareem	OK
39	P3607-01	NB-08-08142024	SAM	08/25/24 21:47		Kareem	OK
40	P3617-07	VCPS-B4-081424-0-1	SAM	08/25/24 21:51		Kareem	OK
41	P3617-08	VCPS-B4-081424-10-	SAM	08/25/24 21:56		Kareem	OK
42	P3617-12	VCPS-B5-081424-0-1	SAM	08/25/24 22:00		Kareem	OK
43	P3617-13	VCPS-B5-081424-10-	SAM	08/25/24 22:04		Kareem	OK
44	P3634-01	TR-06-08152024	SAM	08/25/24 22:08		Kareem	OK
45	P3637-01	ETGI - 370	SAM	08/25/24 22:12		Kareem	OK
46	P3652-01	LIVONIA-SOIL	SAM	08/25/24 22:16	Zn high	Kareem	Dilution
47	P3652-01DUP	LIVONIA-SOILDUP	DUP	08/25/24 22:21	NOT USE	Kareem	Not Ok
48	CCV04	CCV04	CCV	08/25/24 22:26		Kareem	OK
49	CCB04	CCB04	CCB	08/25/24 22:30		Kareem	OK
50	P3652-01L	LIVONIA-SOILL	SD	08/25/24 22:34	NOT USE	Kareem	Not Ok
51	P3652-01MS	LIVONIA-SOILMS	MS	08/25/24 22:38	NOT USE	Kareem	Not Ok
52	P3652-01MSD	LIVONIA-SOILMSD	MSD	08/25/24 22:43	NOT USE	Kareem	Not Ok
53	P3652-01A	LIVONIA-SOILA	PS	08/25/24 22:47	NOT USE	Kareem	Not Ok
54	P3637-02	ETGI - 370	SAM	08/25/24 22:52		Kareem	OK
55	P3637-02DUP	ETGI - 370DUP	DUP	08/25/24 22:56		Kareem	OK

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ICAL Standard	MP81985,MP81990,MP81989,MP81988,MP81987,MP81986
ICV Standard	MP81993
CCV Standard	MP81996
ICSA Standard	MP81994,MP81995
CRI Standard	MP81992,MP81998,MP81999
LCS Standard	
Chk Standard	MP82001,MP82000

56	P3637-02L	ETGI - 370L	SD	08/25/24 23:01		Kareem	OK
57	P3637-02MS	ETGI - 370MS	MS	08/25/24 23:05		Kareem	OK
58	P3637-02MSD	ETGI - 370MSD	MSD	08/25/24 23:09		Kareem	OK
59	P3637-02A	ETGI - 370A	PS	08/25/24 23:14	0.1 of m6001 and m6010 were added to 10 ml of the sample	Kareem	OK
60	CCV05	CCV05	CCV	08/25/24 23:28		Kareem	OK
61	CCB05	CCB05	CCB	08/25/24 23:33		Kareem	OK
62	P3652-03	P3652-01 - LIVONIA-S	SAM	08/25/24 23:37		Kareem	OK
63	P3609-01	915-J-WS-081424	SAM	08/25/24 23:41		Kareem	OK
64	P3609-01DUP	915-J-WS-081424DUI	DUP	08/25/24 23:46		Kareem	OK
65	P3609-01L	915-J-WS-081424L	SD	08/25/24 23:50		Kareem	OK
66	P3609-01MS	915-J-WS-081424MS	MS	08/25/24 23:54		Kareem	OK
67	P3609-01MSD	915-J-WS-081424MSI	MSD	08/25/24 23:58		Kareem	OK
68	P3609-01A	915-J-WS-081424A	PS	08/26/24 00:02		Kareem	OK
69	P3609-02	920-J-WS-081424	SAM	08/26/24 00:07		Kareem	OK
70	P3617-02	Field Blank	SAM	08/26/24 00:11		Kareem	OK
71	P3617-03	VCPS-B2-081424-6W	SAM	08/26/24 00:15		Kareem	OK
72	CCV06	CCV06	CCV	08/26/24 00:39		Kareem	OK
73	CCB06	CCB06	CCB	08/26/24 00:44		Kareem	OK
74	P3617-04	VCPS-B2-081424-6W	SAM	08/26/24 00:48		Kareem	OK

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Supervise By	Mohan	Supervise On	8/27/2024 8:05:11 AM

STD. NAME	STD REF.#
ICAL Standard	MP81985,MP81990,MP81989,MP81988,MP81987,MP81986
ICV Standard	MP81993
CCV Standard	MP81996
ICSA Standard	MP81994,MP81995
CRI Standard	MP81992,MP81998,MP81999
LCS Standard	
Chk Standard	MP82001,MP82000

75	P3617-14	VCPS-B2-081424-6W	SAM	08/26/24 00:52		Kareem	OK
76	P3617-15	VCPS-B2-081424-6W	SAM	08/26/24 00:56		Kareem	OK
77	P3619-01	917-J-WS-081424	SAM	08/26/24 01:01	Method changed on login page	Kareem	Not Ok
78	P3688-01	MIXED-DEMO	SAM	08/26/24 01:05		Kareem	OK
79	P3689-02	WC-1	SAM	08/26/24 01:09		Kareem	OK
80	P3694-01	Kingsland-Driveway	SAM	08/26/24 01:14		Kareem	OK
81	P3698-01DL	HD-01-8-21-2024DL	SAM	08/26/24 01:18		Kareem	OK
82	P3703-01	OR-03-8-21-2024	SAM	08/26/24 01:22		Kareem	OK
83	P3704-01	LNG-Soil Pile	SAM	08/26/24 01:26	Cr, Fe high	Kareem	Dilution
84	CCV07	CCV07	CCV	08/26/24 01:31		Kareem	OK
85	CCB07	CCB07	CCB	08/26/24 01:35		Kareem	OK
86	P3704-01DUP	LNG-Soil PileDUP	DUP	08/26/24 01:39	Cr, Fe high	Kareem	Dilution
87	P3704-01L	LNG-Soil PileL	SD	08/26/24 01:44		Kareem	OK
88	P3704-01MS	LNG-Soil PileMS	MS	08/26/24 01:48	Cr, Fe high	Kareem	Dilution
89	P3704-01MSD	LNG-Soil PileMSD	MSD	08/26/24 01:53	Cr, Fe high	Kareem	Dilution
90	P3704-01A	LNG-Soil PileA	PS	08/26/24 02:02	0.1 of m6001 and m6010 were added to 10 ml of the sample	Kareem	Dilution
91	CCV08	CCV08	CCV	08/26/24 02:07		Kareem	OK
92	CCB08	CCB08	CCB	08/26/24 02:11		Kareem	OK

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Prep Standard - Chemical Standard Summary

Order ID : P3573

Test : Metals Group5

Prepbatch ID : PB162725,PB162726,

Sequence ID/Qc Batch ID: LB132039,LB132142,LB132142,LB132156,LB132156,LB132157,

Standard ID :
MP81119,MP81559,MP81838,MP81839,MP81840,MP81842,MP81843,MP81844,MP81845,MP81846,MP81847,MP818
48,MP81849,MP81851,MP81852,MP81853,MP81985,MP81986,MP81987,MP81988,MP81989,MP81990,MP81992,MP
81993,MP81994,MP81995,MP81996,MP81998,MP81999,MP82000,MP82001,

Chemical ID :
M4960,M5130,M5192,M5218,M5223,M5227,M5288,M5289,M5295,M5296,M5390,M5394,M5395,M5429,M5473,M5476
,M5498,M5513,M5515,M5519,M5585,M5633,M5658,M5697,M5698,M5747,M5748,M5769,M5798,M5799,M5800,M580
1,M5802,M5806,M5814,M5815,M5816,M5817,M5818,M5819,M5820,M5875,M5904,M5929,M5935,M5940,M5942,M59
47,M5951,M5961,M5962,M5963,M5970,M5976,M5978,M5982,M5984,M6000,M6009,M6023,M6025,M6028,M6030,M6
033,M6034,M6039,W2606,W3112,

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
169	1:1HNO3	MP81119	06/21/2024	04/24/2025	Al-Terek Isaac	METALS_SCALE_2 (M SC-2)	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 06/21/2024

FROM 1250.00000ml of M5935 + 1250.00000ml of W2606 = Final Quantity: 2500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
170	1:1HCL	MP81559	07/23/2024	12/08/2024	Rubina Mughal	None	None	Mohan Bera 07/23/2024

FROM 1250.00000ml of M5929 + 1250.00000ml of W3112 = Final Quantity: 2500.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
902	ICP AES CAL BLK (SO/ICB/CCB)	MP81838	08/05/2024	08/31/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/13/2024

FROM 125.00000ml of M5951 + 2350.00000ml of W3112 + 25.00000ml of M5963 = Final Quantity: 2500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1004	ICPAES ISM01.2 (S5)	MP81839	08/07/2024	08/31/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/13/2024

FROM 0.25000ml of M5798 + 0.50000ml of M5429 + 0.50000ml of M5476 + 0.50000ml of M5815 + 0.50000ml of M5817 + 12.50000ml of M5519 + 12.50000ml of M5698 + 12.50000ml of M5806 + 12.50000ml of M5819 + 13.75000ml of M5697 + 14.50000ml of M5515 + 14.50000ml of M5658 + 14.50000ml of M6033 + 2.00000ml of M5513 + 22.50000ml of M5498 + 22.50000ml of M5769 + 5.00000ml of M5296 + 5.00000ml of M5395 + 5.00000ml of M5802 + 5.00000ml of M5818 + 5.00000ml of M5875 + 303.50000ml of MP81838 = Final Quantity: 500.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1005	ICPAES ISM01.2(S4)	MP81840	08/07/2024	08/31/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/13/2024

FROM 250.00000ml of MP81838 + 250.00000ml of MP81839 = Final Quantity: 500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1007	ICPAES ISM01.2(S3)	MP81842	08/07/2024	08/31/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/13/2024

FROM 25.00000ml of MP81839 + 75.00000ml of MP81838 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1008	ICPAES ISM01.2(S2)	MP81843	08/07/2024	08/31/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/13/2024

FROM 12.50000ml of MP81839 + 87.50000ml of MP81838 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
994	ICPAES ISM01.2 S1 (CONC.)	MP81844	08/07/2024	08/31/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/13/2024

FROM 0.02000ml of M5815 + 0.03000ml of M5429 + 0.10000ml of M5798 + 0.10000ml of M6028 + 0.14000ml of M5799 + 0.20000ml of M5473 + 0.20000ml of M5515 + 0.20000ml of M5658 + 0.20000ml of M5801 + 0.20000ml of M5817 + 0.20000ml of M5976 + 0.20000ml of M6025 + 0.20000ml of M6030 + 0.30000ml of M5698 + 0.40000ml of M6033 + 0.50000ml of M5697 + 0.50000ml of M6023 + 0.70000ml of M5962 + 0.80000ml of M5961 + 1.00000ml of M5227 + 1.00000ml of M5800 + 1.20000ml of M5802 + 1.20000ml of M5819 + 10.00000ml of M5498 + 10.00000ml of M5519 + 10.00000ml of M5769 + 10.00000ml of M5806 + 10.00000ml of M5818 + 2.00000ml of M5942 + 4.00000ml of M5390 + 34.24000ml of MP81838 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1003	ICPAES ISM01.2 S1	MP81845	08/07/2024	08/31/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/13/2024

FROM 0.50000ml of MP81844 + 99.50000ml of MP81838 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1222	ICV ICPAES	MP81846	08/07/2024	08/31/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/13/2024

FROM 0.25000ml of M5976 + 5.00000ml of M5295 + 447.75000ml of MP81838 = Final Quantity: 50.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
904	ICP AES ICSA SOLN	MP81847	08/07/2024	08/31/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/13/2024

FROM 25.00000ml of M5130 + 225.00000ml of MP81838 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
905	ICP AES ICSAB SOLN	MP81848	08/07/2024	08/31/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/13/2024

FROM 25.00000ml of M5130 + 25.00000ml of M5223 + 200.00000ml of MP81838 = Final Quantity: 250.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1119	ICPAES ISM01.2(CCV)	MP81849	08/07/2024	08/31/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/13/2024

FROM 0.75000ml of M5498 + 0.75000ml of M5769 + 1.22500ml of M6033 + 1.25000ml of M5515 + 1.25000ml of M5806 + 19.77500ml of MP81838 + 25.00000ml of MP81839 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2480	ICP AES STD 6 ISM01.3	MP81851	08/07/2024	08/31/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/13/2024

FROM 4.00000ml of M5289 + 4.00000ml of M5498 + 4.00000ml of M5515 + 4.00000ml of M5769 + 4.00000ml of M5806 + 30.00000ml of MP81838 = Final Quantity: 50.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
919	ICP AES INTERNAL STD	MP81852	08/07/2024	08/31/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/13/2024

FROM 1.00000ml of M5984 + 10.00000ml of M4960 + 1969.00000ml of W3112 + 20.00000ml of M5963 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
903	ICP AES RINSE SOLN	MP81853	08/07/2024	08/31/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/13/2024

FROM 200.00000ml of M5963 + 9800.00000ml of W3112 = Final Quantity: 10000.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
902	ICP AES CAL BLK (SO/ICB/CCB)	MP81985	08/21/2024	09/21/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/21/2024

FROM 125.00000ml of M6039 + 2350.00000ml of W3112 + 25.00000ml of M6034 = Final Quantity: 2500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
907	ICP AES STD S (S5)	MP81986	08/21/2024	09/21/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/21/2024

FROM 5.00000ml of M5296 + 5.00000ml of M5394 + 5.00000ml of M5802 + 5.00000ml of M5816 + 5.00000ml of M5820 + 5.00000ml of M5875 + 5.00000ml of M5970 + 5.00000ml of M5982 + 460.00000ml of MP81985 = Final Quantity: 500.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
910	ICP AES STD S4	MP81987	08/21/2024	09/21/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/21/2024

FROM 50.00000ml of MP81985 + 50.00000ml of MP81986 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
909	ICP AES STD S3	MP81988	08/21/2024	09/21/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/21/2024

FROM 25.00000ml of MP81986 + 75.00000ml of MP81985 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3913	ICP AES STD S2	MP81989	08/21/2024	09/21/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/21/2024

FROM 16.00000ml of MP81986 + 184.00000ml of MP81985 = Final Quantity: 200.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2950	ICP AES S1/CRI STOCK STD	MP81990	08/21/2024	09/21/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/21/2024

FROM 0.03000ml of M5798 + 0.03000ml of M6028 + 0.05000ml of M5515 + 0.05000ml of M5658 + 0.05000ml of M6030 + 0.05000ml of M6033 + 0.06000ml of M5747 + 0.10000ml of M5697 + 0.10000ml of M5698 + 0.10000ml of M5801 + 0.10000ml of M5820 + 0.10000ml of M5962 + 0.10000ml of M5970 + 0.10000ml of M5982 + 0.15000ml of M5800 + 0.20000ml of M5227 + 0.20000ml of M5748 + 0.20000ml of M5799 + 0.20000ml of M5819 + 0.20000ml of M6023 + 0.25000ml of M5802 + 0.50000ml of M5390 + 0.50000ml of M5814 + 1.00000ml of M5192 + 1.00000ml of M5288 + 1.00000ml of M5498 + 1.00000ml of M5769 + 1.00000ml of M5806 + 1.00000ml of M5978 + 2.00000ml of M5816 + 2.00000ml of M5818 + 77.68000ml of MP81985 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2951	ICP AES S1/CRI WORK STD	MP81992	08/21/2024	09/21/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/21/2024

FROM 2.00000ml of MP81990 + 98.00000ml of MP81985 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
912	ICP AES ICV SOLN	MP81993	08/21/2024	09/21/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/21/2024

FROM 0.02500ml of M5429 + 0.02500ml of M5815 + 0.02500ml of M5817 + 0.25000ml of M5982 + 10.00000ml of M5295 + 25.00000ml of M5218 + 89.77500ml of MP81985 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
904	ICP AES ICSA SOLN	MP81994	08/21/2024	09/21/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/21/2024

FROM 25.00000ml of M5130 + 225.00000ml of MP81985 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3494	ICP AES ICSAB SOLN-1	MP81995	08/21/2024	09/21/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/21/2024

FROM 0.01000ml of M5815 + 0.01000ml of M5817 + 0.10000ml of M5296 + 0.10000ml of M5970 + 0.10000ml of M5982 + 10.00000ml of M5130 + 10.00000ml of M5223 + 79.50000ml of MP81985 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
911	ICP AES CCV SOLN	MP81996	08/21/2024	09/21/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/21/2024

FROM 50.00000ml of MP81985 + 50.00000ml of MP81986 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3651	LR CHECK 1	MP81998	08/21/2024	09/21/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/21/2024

FROM 0.90000ml of M5515 + 1.00000ml of M5288 + 1.80000ml of M5498 + 1.80000ml of M5769 + 1.80000ml of M5806 + 2.00000ml of M5289 + 0.70000ml of MP81985 = Final Quantity: 10.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3652	LR CHECK2	MP81999	08/21/2024	09/21/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/21/2024

FROM 0.25000ml of M5513 + 0.35000ml of M5819 + 0.45000ml of M5698 + 0.50000ml of M5748 + 1.00000ml of M5390 + 2.50000ml of M5697 + 5.45000ml of MP81985 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
919	ICP AES INTERNAL STD	MP82000	08/21/2024	09/21/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/21/2024

FROM 1.00000ml of M5984 + 10.00000ml of M4960 + 1969.00000ml of W3112 + 20.00000ml of M6034 = Final Quantity: 2000.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
903	ICP AES RINSE SOLN	MP82001	08/21/2024	09/21/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 08/21/2024

FROM 200.00000ml of M6034 = Final Quantity: 10000.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGIN10-5 / INDIUM 1 x 500 ml	100721	10/07/2024	10/09/2021 / jaswal	10/08/2021 / jaswal	M4960

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART A / ICSA (ICP) STOCK SOLN	ICSA-1211	01/31/2025	05/20/2024 / jaswal	04/20/2021 / bin	M5130

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57042 / Mo, 1000 PPM, 125 ml	051722	05/17/2025	07/01/2022 / bin	06/17/2022 / jaswal	M5192

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CHEM-QC-4 / CHEM-QC-4, Second Source, 1000 ug/ml, B, Mo, Si, Sn, Ti	S2-MEB711674	11/02/2026	07/01/2022 / bin	09/10/2021 / bin	M5218

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART B / ICSAB (ICP) STOCK SOLN	ICSB-0710	01/31/2025	05/20/2024 / jaswal	04/20/2021 / bin	M5223

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57023 / V, 1000 PPM, 125 ml	100121	10/01/2024	07/01/2022 / bin	10/18/2021 / bin	M5227

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58119 / K, 10000 PPM, 500 ml	071122	07/11/2025	09/01/2022 / jaswal	07/21/2022 / jaswal	M5288

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58113 / Aluminum (Al) 10,000PPM	070622	07/06/2025	09/02/2022 / jaswal	07/12/2022 / jaswal	M5289

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	ICV-1 / ICV (ICP/ICPMS) STOCK SOLN	ICV-1014	02/05/2025	08/07/2024 / jaswal	04/20/2021 / bin	M5295

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	Z9651Q / CHEM-CLP-4/.25L	S2-MEB711673	11/02/2026	09/19/2022 / jaswal	08/20/2022 / jaswal	M5296

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57056 / Ba, 1000 PPM, 125 ml	072122	07/21/2025	08/07/2024 / jaswal	09/18/2022 / bin	M5390

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-CAL-3 / CLP CAL SOLUTION #3, 125mL	T2-MEB714159	01/13/2027	11/28/2022 / bin	09/19/2022 / bin	M5394

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-CAL-3 / CLP CAL SOLUTION #3, 125mL	T2-MEB714159	01/13/2027	01/30/2024 / bin	09/19/2022 / bin	M5395

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57103 / Li, 10000 PPM, 125 ml	070622	07/06/2025	01/30/2023 / bin	01/26/2023 / bin	M5429

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57138 / Sr, 10000 PPM, 125 ml	082922	08/29/2025	03/16/2023 / jaswal	03/16/2023 / jaswal	M5473

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57138 / Sr, 10000 PPM, 125 ml	082922	08/29/2025	07/29/2024 / jaswal	03/16/2023 / jaswal	M5476

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58120 / Ca, 10000 PPM, 500 ml	031523	03/15/2026	08/15/2023 / jaswal	03/17/2023 / bin	M5498

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57182 / Pb, 10000 PPM, 125 ml	061522	06/15/2025	03/19/2023 / bin	03/17/2023 / bin	M5513

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58126 / Fe, 10000 PPM, 500 ml	092122	09/21/2025	08/01/2024 / Jaswal	03/17/2023 / bin	M5515

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57119 / Potassium (K) 10,000PPM	120822	12/08/2025	01/08/2024 / bin	03/17/2023 / bin	M5519

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	26397-103 / PTFE BOILING STONES	W126678	03/31/2025	01/20/2024 / jaswal	06/12/2023 / jaswal	M5585

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	1403 / Hydrogen Peroxide, 30% 1 gal	820803	08/31/2024	01/22/2024 / jaswal	08/03/2022 / Al-Terek	M5633

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58024 / Chromium, Cr, 500 ml, 1000 PPM	060523	06/05/2026	08/28/2023 / jaswal	08/25/2023 / jaswal	M5658

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58029 / Cu, 1000 PPM, 500 ml	102523	10/25/2026	04/03/2024 / jaswal	10/27/2023 / jaswal	M5697

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58025 / Mn, 1000 PPM, 500 ml	102623	10/26/2026	04/18/2024 / jaswal	10/27/2023 / jaswal	M5698

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Lead (Pb) 1000PPM	100923	10/09/2026	05/20/2024 / Jaswal	12/20/2023 / jaswal	M5747

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Nickel (Ni) 1000PPM	091223	09/12/2026	01/02/2024 / bin	12/20/2023 / jaswal	M5748

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58112 / Mg, 10000 PPM, 500 ml	091823	09/18/2026	05/24/2024 / Jaswal	01/03/2024 / bin	M5769

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57004 / Be, 1000 PPM, 125 ml	102523	10/25/2026	02/09/2024 / bin	02/09/2024 / bin	M5798

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57050 / Sn, 1000 PPM, 125 ml	071123	07/11/2026	02/09/2024 / bin	02/09/2024 / bin	M5799

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57027 / CO, 1000 PPM, 125 ml	091923	09/19/2026	05/31/2024 / bin	02/09/2024 / bin	M5800

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57033 / As, 1000 PPM, 125 ml	111323	11/13/2026	02/09/2024 / bin	02/09/2024 / bin	M5801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57051 / Sb, 1000 PPM, 125 ml	120523	12/05/2026	08/07/2024 / jaswal	01/03/2024 / jaswal	M5802

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58111 / Na, 10000 PPM, 500 ml	122223	12/22/2026	08/01/2024 / Jaswal	01/03/2024 / jaswal	M5806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57005 / B, 1000 PPM, 125 ml	071123	07/11/2026	03/26/2024 / Sohil	01/03/2024 / jaswal	M5814

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57115 / P, 10000 PPM, 125 ml	041723	04/17/2026	05/21/2024 / Jaswal	02/09/2024 / jaswal	M5815

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57016 / S, 1000 PPM, 125 ml	122923	12/29/2026	05/20/2024 / Jaswal	02/09/2024 / jaswal	M5816

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57116 / S, 10000 PPM, 125 ml	071123	07/11/2026	03/01/2024 / jaswal	02/09/2024 / jaswal	M5817

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57014 / Si, 1000 PPM, 125 ml	122023	12/20/2026	03/06/2024 / jaswal	02/09/2024 / jaswal	M5818

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58030 / Zinc, Zn, 500 ml, 1000 PPM	111623	11/16/2026	03/20/2024 / jaswal	02/09/2024 / jaswal	M5819

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57015 / P, 1000 PPM, 125 ml	091123	09/11/2026	05/01/2024 / jaswal	02/09/2024 / jaswal	M5820

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-CAL-1 / CLP CAL SOLUTION #1, 125mL	T2-MEB714417	01/27/2027	04/19/2024 / jaswal	02/22/2024 / jaswal	M5875

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24D1062002	11/16/2024	05/15/2024 / Al-Terek	05/07/2024 / Al-Terek	M5904

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	12/08/2024	06/24/2024 / Al-Terek	06/07/2024 / Al-Terek	M5929

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24D1062002	12/08/2024	06/21/2024 / Al-Terek	06/07/2024 / Al-Terek	M5935

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24D1062002	12/20/2024	06/25/2024 / jaswal	06/18/2024 / Al-Terek	M5940

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGTI1-1 / TITANIUM 125mL 1000ug/mL	T2-TI719972	06/17/2027	06/18/2024 / Jaswal	02/22/2024 / Jaswal	M5942

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	12/27/2024	06/27/2024 / Al-Terek	06/23/2024 / Al-Terek	M5947

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	12/27/2024	07/04/2024 / Jaswal	06/23/2024 / Al-Terek	M5951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57028 / Ni, 1000 PPM, 125 ml	041124	04/11/2027	07/02/2024 / Jaswal	06/11/2024 / Jaswal	M5961

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57034 / Se, 1000 PPM, 125 ml	060624	06/06/2027	07/02/2024 / Jaswal	06/14/2024 / Jaswal	M5962

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24B1362001	01/04/2025	07/09/2024 / Al-Terek	07/03/2024 / Al-Terek	M5963

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57003 / Li, 1000 PPM, 125 ml	061224	06/21/2027	07/01/2024 / Jaswal	07/01/2024 / Jaswal	M5970

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGMO1-1 / MOLYBDENUM 125mL 1000ug/mL	T2-MO720876	07/17/2027	08/07/2024 / jaswal	02/22/2024 / Jaswal	M5976

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGTI1-1 / TITANIUM 125mL 1000ug/mL	T2-TI719972	06/17/2027	08/07/2024 / jaswal	02/22/2024 / Jaswal	M5978

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57038 / Sr, 1000 PPM, 125 ml	031524	03/15/2027	07/01/2024 / Jaswal	06/11/2024 / Jaswal	M5982

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGY10-1 / YTTRIUM 125mL 10,000ug/mL	V2-Y740548	02/20/2029	08/05/2024 / kareem	06/14/2024 / Jaswal	M5984

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	WW-LFS-1 / Laboratory Fortified Stock Solution 1, 125 ml	T2-MEB723367	08/30/2026	08/13/2024 / Jaswal	05/14/2024 / Jaswal	M6000

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	WW-LFS-2 / Laboratory Fortified Stock Solution 2, 125 ml	U2-MEB731108	03/17/2028	08/13/2024 / Jaswal	05/14/2024 / Jaswal	M6009

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57081 / Tl, 1000 PPM, 125 ml	0624724	06/27/2027	08/05/2024 / kareem	08/05/2024 / Jaswal	M6023

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57082 / Pb, 1000 PPM, 125 ml	061224	11/09/2026	08/05/2024 / Jaswal	08/05/2024 / Jaswal	M6025

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57048 / Cd, 1000 PPM, 125 ml	070124	07/01/2027	08/05/2024 / kareem	08/05/2024 / Jaswal	M6028

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57047 / Ag, 1000 PPM, 125 ml	122823	12/28/2026	08/05/2024 / kareem	08/05/2024 / Jaswal	M6030

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58113 / Al, 10000 PPM, 500 ml	011623	01/16/2026	08/07/2024 / Jaswal	01/03/2024 / Jaswal	M6033

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24D1062002	02/01/2025	08/06/2024 / Janvi	08/01/2024 / Janvi	M6034

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	24D1562005	02/01/2025	08/06/2024 / Janvi	08/01/2024 / Janvi	M6039

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	10/24/2024	10/24/2019 / apatel	10/24/2019 / apatel	W2606

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6028

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

R: 8/5/24

CERTIFIED WEIGHT REPORT:

Part Number: 57048
Lot Number: 070124
Description: Cadmium (Cd)

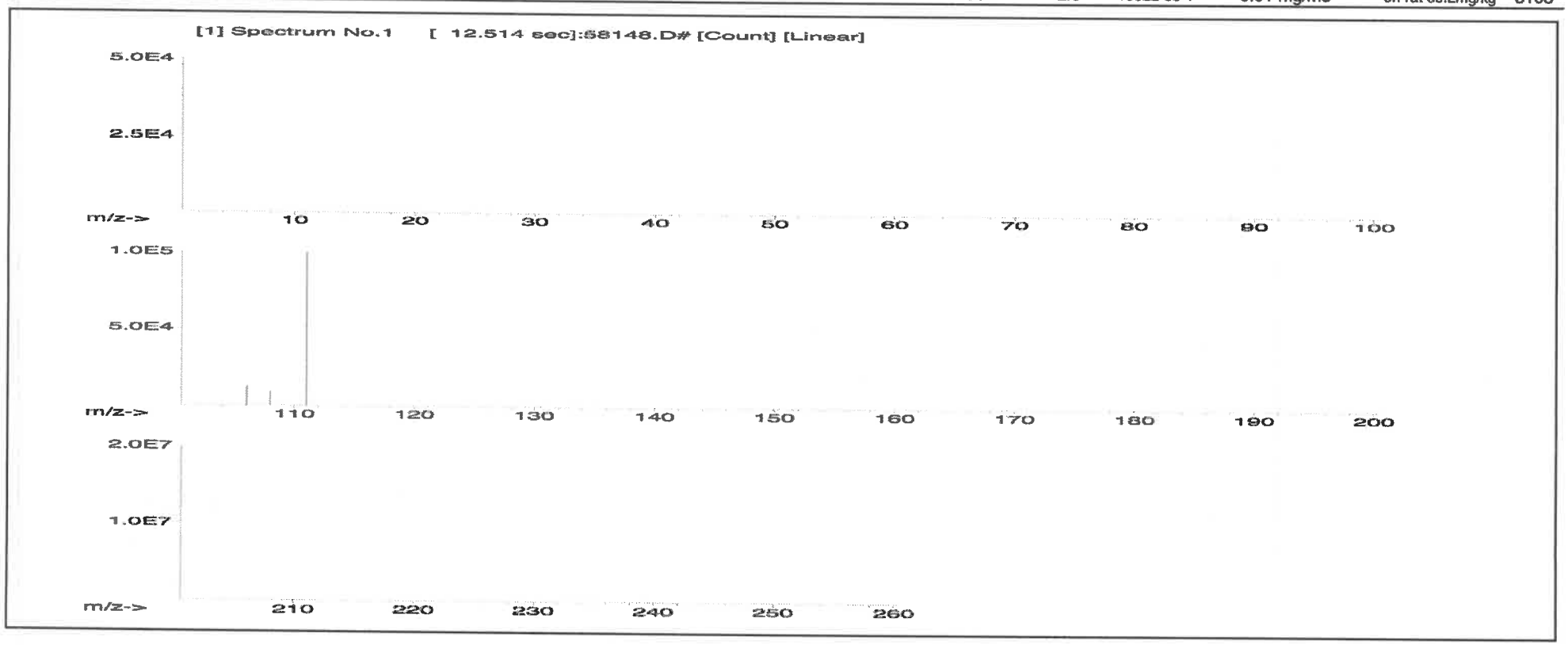
Expiration Date: 070127
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

		Lot #		
Solvent:	24002546	Nitric Acid		
2%	40.0 (mL)	Nitric Acid		
	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty	

Aleah O'Brady

Formulated By:	Aleah O'Brady	070124
Reviewed By:	Pedro L. Rentas	070124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Cadmium nitrate tetrahydrate (Cd)	IN024	CDM092021A1	1000	99.999	0.10	36.5	5.4797	5.4804	**1000.1**	**2.0**	10022-68-1	0.01 mg/m3	orl-rat 60.2mg/kg	3108



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P3573-METALS

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

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https://Absolutestandards.com

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	T	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certificate of Analysis

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Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CHEM-CLP-4
Lot Number:	S2-MEB711673
Matrix:	3% (v/v) HNO3 3% (v/v) HF
Value / Analyte(s):	1 000 µg/mL ea: Boron, Molybdenum, Silicon, Tin, Titanium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Boron, B	**1 000 ± 6 µg/mL**	**Molybdenum, Mo**	**1 000 ± 6 µg/mL**
Silicon, Si	**1 000 ± 7 µg/mL**	**Tin, Sn**	**1 000 ± 6 µg/mL**
Titanium, Ti	**1 000 ± 7 µg/mL**		

Density: 1.030 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
B	ICP Assay	3107	110830
Mo	ICP Assay	3134	130418
Si	ICP Assay	3150	130912
Sn	ICP Assay	3161a	140917
Ti	ICP Assay	3162a	130925

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

November 02, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **November 02, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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Certificate of Analysis

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info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-CAL-1
Lot Number:	T2-MEB714417
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	5 000 µg/mL ea: Calcium, Potassium, Magnesium, Sodium, 2 000 µg/mL ea: Aluminum, Barium, 1 000 µg/mL ea: Iron, 500 µg/mL ea: Nickel, Vanadium, Zinc, Cobalt, Manganese, 250 µg/mL ea: Silver, Copper, 200 µg/mL ea: Chromium, 50 µg/mL ea: Beryllium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	2 000 ± 7 µg/mL	Barium, Ba	2 000 ± 9 µg/mL
Beryllium, Be	50.00 ± 0.26 µg/mL	Calcium, Ca	5 000 ± 22 µg/mL
Chromium, Cr	200.0 ± 1.0 µg/mL	Cobalt, Co	500.0 ± 2.4 µg/mL
Copper, Cu	250.0 ± 1.0 µg/mL	Iron, Fe	1 000 ± 4 µg/mL
Magnesium, Mg	5 000 ± 20 µg/mL	Manganese, Mn	500.0 ± 2.0 µg/mL
Nickel, Ni	500.0 ± 2.2 µg/mL	Potassium, K	5 000 ± 19 µg/mL
Silver, Ag	250.0 ± 1.1 µg/mL	Sodium, Na	5 000 ± 18 µg/mL
Vanadium, V	499.7 ± 2.2 µg/mL	Zinc, Zn	500.0 ± 2.2 µg/mL

Density: 1.118 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cr	Calculated		See Sec. 4.2
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	3152a	120715
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
V	IC Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information.

https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 27, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **January 27, 2027**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

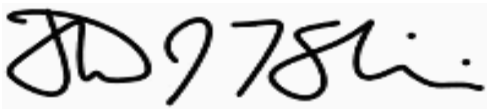
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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1.0 ACCREDITATION / REGISTRATION

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ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-CAL-3
Lot Number:	T2-MEB714159
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	1 000 µg/mL ea: Arsenic, Lead, Selenium, Thallium, 500 µg/mL ea: Cadmium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Arsenic, As	**1 000 ± 8 µg/mL**	**Cadmium, Cd**	**500.0 ± 2.1 µg/mL**
Lead, Pb	**1 000 ± 5 µg/mL**	**Selenium, Se**	**1 000 ± 8 µg/mL**
Thallium, Tl	**1 000 ± 7 µg/mL**		

Density: 1.043 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
As	ICP Assay	3103a	100818
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Tl	ICP Assay	3158	151215

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 13, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **January 13, 2027**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

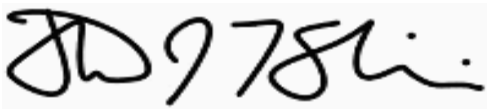
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-CAL-3
Lot Number:	T2-MEB714159
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	1 000 µg/mL ea: Arsenic, Lead, Selenium, Thallium, 500 µg/mL ea: Cadmium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Arsenic, As	**1 000 ± 8 µg/mL**	**Cadmium, Cd**	**500.0 ± 2.1 µg/mL**
Lead, Pb	**1 000 ± 5 µg/mL**	**Selenium, Se**	**1 000 ± 8 µg/mL**
Thallium, Tl	**1 000 ± 7 µg/mL**		

Density: 1.043 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
As	ICP Assay	3103a	100818
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Tl	ICP Assay	3158	151215

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 13, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **January 13, 2027**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

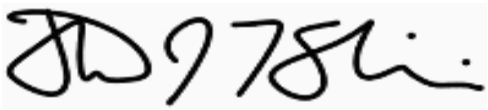
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 8/5/24 M6025

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Revised
1060 of 1201

CERTIFIED WEIGHT REPORT:

Part Number: 57182
Lot Number: 110923
Description: Lead (Pb)

Expiration Date: 110926
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB

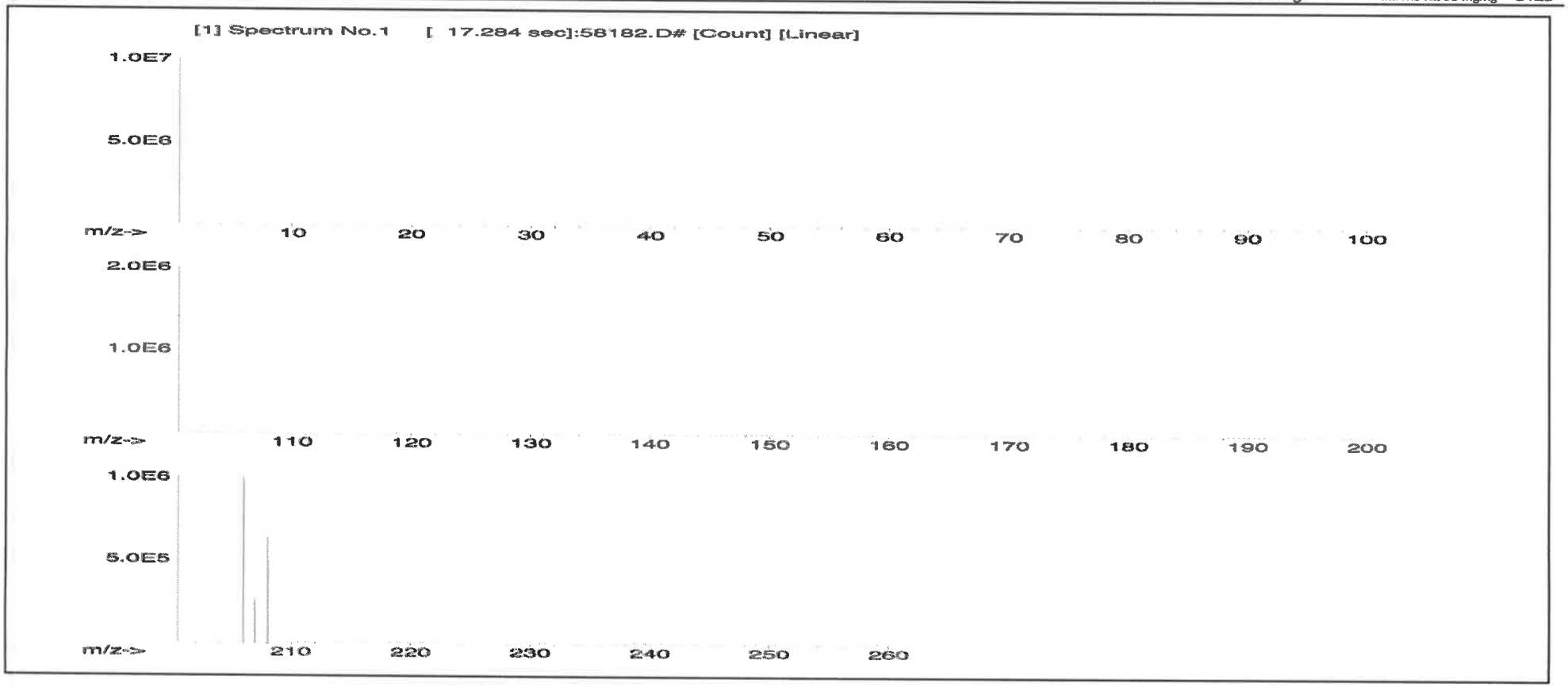
Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Formulated By:	Lawence Barry	110923
Reviewed By:	Pedro L. Rentas	110923

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lead(II) nitrate (Pb)	IN029	PBD122016A1	10000	99.999	0.10	62.5	32.0006	32.0040	**10001.1**	**20.0**	10099-74-8	0.05 mg/m3	intrvns-rat 93 mg/kg	3128



P3573-METALS

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800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	T	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

INORGANIC VENTURES

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Certificate of Analysis

RD:05/14/2024

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F: 540-585-3012
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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	WW-LFS-1
Lot Number:	T2-MEB723367
Matrix:	5% (v/v) HNO3

Value / Analyte(s):	1 000 µg/mL ea: Potassium,	
	600 µg/mL ea: Phosphorus,	
	300 µg/mL ea: Sodium,	Iron,
	200 µg/mL ea: Magnesium, Cerium, Thallium,	Aluminum, Selenium,
	100 µg/mL ea: Lead,	Calcium,
	80 µg/mL ea: Arsenic,	
	70 µg/mL ea: Mercury,	
	50 µg/mL ea: Nickel,	
	40 µg/mL ea: Chromium,	
	30 µg/mL ea: Copper, Vanadium,	Boron,
	20 µg/mL ea: Zinc, Barium, Cadmium, Manganese,	Strontium, Beryllium, Cobalt, Lithium,
	7.5 µg/mL ea: Silver	

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	200.0 ± 0.7 µg/mL	Arsenic, As	80.0 ± 0.7 µg/mL
Barium, Ba	20.00 ± 0.09 µg/mL	Beryllium, Be	20.00 ± 0.13 µg/mL
Boron, B	30.00 ± 0.18 µg/mL	Cadmium, Cd	20.00 ± 0.09 µg/mL
Calcium, Ca	100.0 ± 0.4 µg/mL	Cerium, Ce	200.0 ± 0.8 µg/mL
Chromium, Cr	40.00 ± 0.30 µg/mL	Cobalt, Co	20.00 ± 0.10 µg/mL
Copper, Cu	30.00 ± 0.13 µg/mL	Iron, Fe	300.0 ± 1.3 µg/mL
Lead, Pb	100.0 ± 0.4 µg/mL	Lithium, Li	20.00 ± 0.08 µg/mL
Magnesium, Mg	200.0 ± 0.8 µg/mL	Manganese, Mn	20.00 ± 0.08 µg/mL
Mercury, Hg	70.0 ± 0.3 µg/mL	Nickel, Ni	50.00 ± 0.22 µg/mL
Phosphorus, P	600.0 ± 2.7 µg/mL	Potassium, K	1 000 ± 4 µg/mL
Selenium, Se	200.0 ± 1.3 µg/mL	Silver, Ag	7.50 ± 0.03 µg/mL
Sodium, Na	300.0 ± 1.4 µg/mL	Strontium, Sr	20.01 ± 0.08 µg/mL
Thallium, Tl	200.0 ± 1.4 µg/mL	Vanadium, V	30.00 ± 0.13 µg/mL
Zinc, Zn	20.00 ± 0.09 µg/mL		

Density: 1.034 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Ag	Calculated		See Sec. 4.2
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
B	ICP Assay	3107	190605
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Ce	ICP Assay	3110	090504
Ce	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Hg	ICP Assay	3133	160921
Hg	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Li	ICP Assay	3129a	100714
Li	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	Traceable to 3152A	S2-NA700842
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
P	ICP Assay	3139a	060717
P	Acidimetric	84L	84L
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
Tl	ICP Assay	3158	151215
V	IC Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Low Silver Note: This solution contains "LOW" levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

August 30, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **August 30, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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Certificate of Analysis

RD:05/14/2024

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 863.01 ACCREDITED Reference Material Producer Certificate 863.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	WW-LFS-2
Lot Number:	U2-MEB731108
Matrix:	5% (v/v) HNO3 tr. HF
Value / Analyte(s):	200 µg/mL ea: Silica, 80 µg/mL ea: Antimony, 70 µg/mL ea: Tin, 40 µg/mL ea: Molybdenum, 20 µg/mL ea: Titanium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	80.1 ± 0.6 µg/mL	Molybdenum, Mo	40.03 ± 0.18 µg/mL
Silica, SiO2	200.2 ± 1.3 µg/mL	Tin, Sn	70.0 ± 0.4 µg/mL
Titanium, Ti	20.01 ± 0.13 µg/mL		

Density: 1.025 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Mo	ICP Assay	3134	130418
Mo	Calculated		See Sec. 4.2
Sb	ICP Assay	3102a	140911
SiO2	ICP Assay	3150	130912
Sn	ICP Assay	3161a	140917
Ti	ICP Assay	3162a	130925
Ti	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

March 17, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- March 17, 2028

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M4960 R: 10/08/21 BH

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58149
Lot Number: 100721
Description: Indium (In)

Expiration Date: 100724
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB

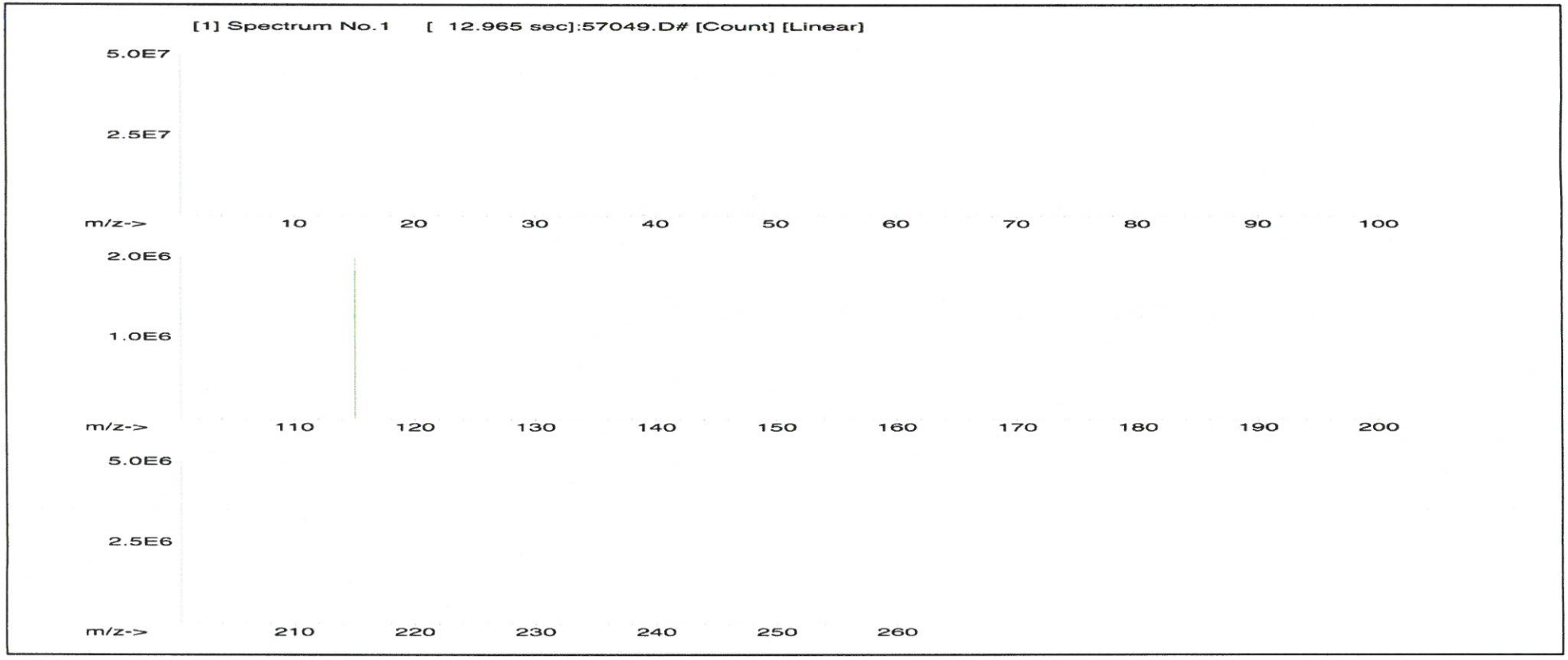
Weight shown below was diluted to (mL): 500.06 0.058 Flask Uncertainty

	Lot #		
Solvent:	20370011	Nitric Acid	
5%	25.0 (mL)	Nitric Acid	
		5E-05	Balance Uncertainty

Giovanni Esposito

Formulated By:	Giovanni Esposito	100721
Reviewed By:	Pedro L. Rentas	100721

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Indium Oxide (In)	IN086	W1096A	10000	99.999	0.10	82.6	6.05408	6.05441	**10000.6**	**20.1**	1312-43-2	NA	NA	3124a



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Certified Reference Material CRM

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AR-1539 Certificate Number
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Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	T	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-AES (ICSA WITH ICSB)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix. **For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-1211" and for the ICSAB mixture use "ICSA-1211+ICSB-0710".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

The interference check sample set is to be used to verify inter-element and background correction factors of inductively-coupled plasma (ICP) spectrometers. This reference material set consists of two (2) concentrated solutions. The ICSA solution contains the four (4) interferent elements: Al, Ca, Fe, and Mg. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be,

Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for ICP-AES Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

ICSA-1211, Interferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 2% v/v HNO_3. Analyze this ICSA solution by ICP-AES.

ICSB-0710, Analytes, mixed with ICSA-1211, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 2% v/v HNO_3. Analyze this ICSAB solution by ICP-AES.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-AES ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-AES ICSA-1211, AND ICSA-1211 MIXED WITH ICSB-0710

Element	CRQL	Part A (µg/L)	Low Limit (µg/L)	High Limit (µg/L)	Part A +Part B (µg/L)	Low Limit (µg/L)	High Limit (µg/L)
Al	200	255000	216000	294000	247000	209000	285000
Sb	60	(0.0)	-60.0	60.0	618	525	711
As	10	(0.0)	-10.0	10.0	104	88.4	120
Ba	200	(6.0)	-194	206	(537)	337	737
Be	5.0	(0.0)	-5.0	5.0	495	420	570
Cd	5.0	(1.0)	-4.0	6.0	972	826	1120
Ca	5000	245000	208000	282000	235000	199000	271000
Cr	10	(52.0)	42.0	62.0	542	460	624
Co	50	(0.0)	-50.0	50.0	476	404	548
Cu	25	(2.0)	-23.0	27.0	511	434	588
Fe	100	101000	85600	116500	99300	84400	114500
Pb	10	(0.0)	-10.0	10.0	(49.0)	39.0	59.0
Mg	5000	255000	216000	294000	248000	210000	286000
Mn	15	(7.0)	-8.0	22.0	507	430	584
Ni	40	(2.0)	-38.0	42.0	954	810	1100
Se	35	(0.0)	-35.0	35.0	(46.0)	11.0	81.0
Ag	10	(0.0)	-10.0	10.0	201	170	232
Tl	25	(0.0)	-25.0	25.0	(108)	83.0	133
V	50	(0.0)	-50.0	50.0	491	417	565
Zn	60	(0.0)	-60.0	60.0	952	809	1095

ICSA M5126 M5127 M5128 M5129 M5130

ICSB M5219 M5220 M5221 M5222 M5223

The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 1 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

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Certified Reference Material CRM

M5192 R: 06/17/22

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AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 57042
Lot Number: 051722
Description: Molybdenum (Mo)

Lot #	Solvent:		
MKBQ8597V	Ammonium hydroxide	0.5%	15.0 (mL)

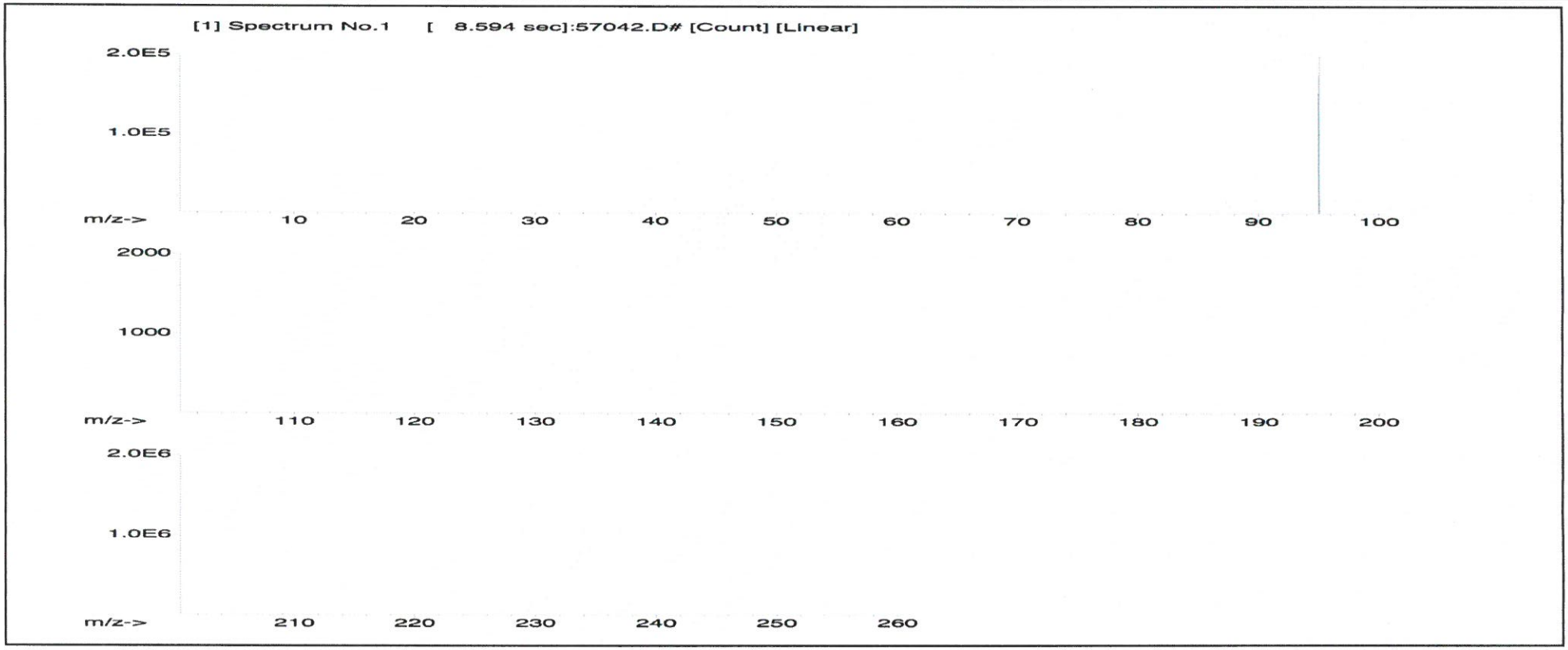
Ammonium hydroxide

Expiration Date: 051725
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Volume shown below was diluted to (mL): 3000.41

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Lawrence Barry	051722
Reviewed By:	Pedro L. Rentas	051722

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium molybdate (Mo)	58142	022222	0.1000	300.0	0.084	1000	10001.0	**1000.0**	**2.1**	13106-76-8	5 mg(Mo)/m3	orl-rat 333 mg/kg	3134



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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	T	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

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Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CHEM-QC-4
Lot Number:	S2-MEB711674
Matrix:	3% (v/v) HNO3 3% (v/v) HF
Value / Analyte(s):	1 000 µg/mL ea: Boron, Molybdenum, Silicon, Tin, Titanium

Second Source: Whenever possible, this solution was manufactured from a second set of concentrates in our manufacturing facility.

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Boron, B	**1 000 ± 7 µg/mL**	**Molybdenum, Mo**	**1 000 ± 5 µg/mL**
Silicon, Si	**1 000 ± 7 µg/mL**	**Tin, Sn**	**1 000 ± 5 µg/mL**
Titanium, Ti	**1 001 ± 6 µg/mL**		

Density: 1.032 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
B	ICP Assay	3107	110830
Mo	ICP Assay	3134	130418
Si	ICP Assay	3150	130912
Sn	ICP Assay	3161a	140917
Ti	ICP Assay	3162a	130925

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

November 02, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **November 02, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-AES (ICSA WITH ICSB)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix. **For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-1211" and for the ICSAB mixture use "ICSA-1211+ICSB-0710".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

The interference check sample set is to be used to verify inter-element and background correction factors of inductively-coupled plasma (ICP) spectrometers. This reference material set consists of two (2) concentrated solutions. The ICSA solution contains the four (4) interferent elements: Al, Ca, Fe, and Mg. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be,

Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for ICP-AES Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

ICSA-1211, Interferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 2% v/v HNO_3. Analyze this ICSA solution by ICP-AES.

ICSB-0710, Analytes, mixed with ICSA-1211, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 2% v/v HNO_3. Analyze this ICSAB solution by ICP-AES.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-AES ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-AES ICSA-1211, AND ICSA-1211 MIXED WITH ICSB-0710

Element	CRQL	Part A (µg/L)	Low Limit (µg/L)	High Limit (µg/L)	Part A +Part B (µg/L)	Low Limit (µg/L)	High Limit (µg/L)
Al	200	255000	216000	294000	247000	209000	285000
Sb	60	(0.0)	-60.0	60.0	618	525	711
As	10	(0.0)	-10.0	10.0	104	88.4	120
Ba	200	(6.0)	-194	206	(537)	337	737
Be	5.0	(0.0)	-5.0	5.0	495	420	570
Cd	5.0	(1.0)	-4.0	6.0	972	826	1120
Ca	5000	245000	208000	282000	235000	199000	271000
Cr	10	(52.0)	42.0	62.0	542	460	624
Co	50	(0.0)	-50.0	50.0	476	404	548
Cu	25	(2.0)	-23.0	27.0	511	434	588
Fe	100	101000	85600	116500	99300	84400	114500
Pb	10	(0.0)	-10.0	10.0	(49.0)	39.0	59.0
Mg	5000	255000	216000	294000	248000	210000	286000
Mn	15	(7.0)	-8.0	22.0	507	430	584
Ni	40	(2.0)	-38.0	42.0	954	810	1100
Se	35	(0.0)	-35.0	35.0	(46.0)	11.0	81.0
Ag	10	(0.0)	-10.0	10.0	201	170	232
Tl	25	(0.0)	-25.0	25.0	(108)	83.0	133
V	50	(0.0)	-50.0	50.0	491	417	565
Zn	60	(0.0)	-60.0	60.0	952	809	1095

ICSA M5126 M5127 M5128 M5129 M5130

ICSB M5219 M5220 M5221 M5222 M5223

The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 1 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

M5227 R: 10/18/2021

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CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57023**			
Lot Number:	**100121**	20370011	Nitric Acid	
Description:	**Vanadium (V)**			
		2.0%	60.0 (mL)	Nitric Acid
Expiration Date:	100124			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	3000.4	0.06	Flask Uncertainty	

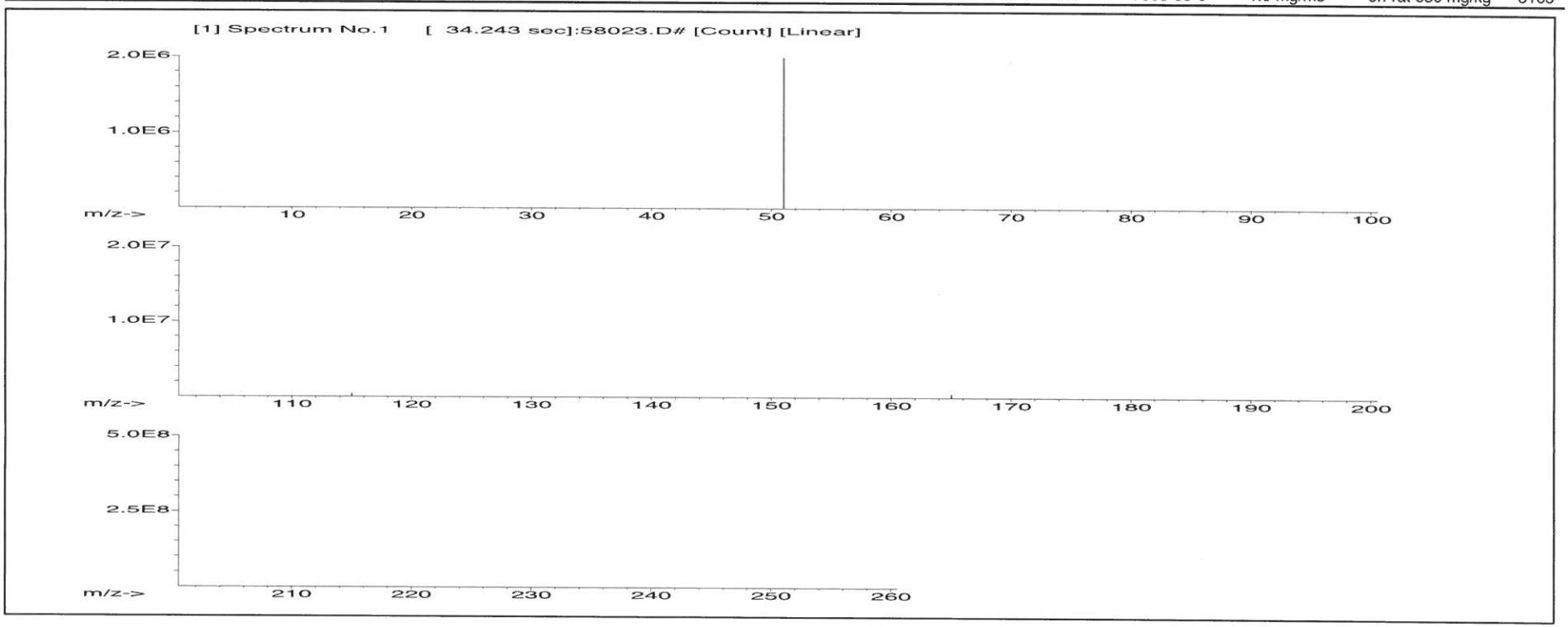
Giovanni Esposito

Formulated By:	Giovanni Esposito	100121

Pedro Rentas

Reviewed By:	Pedro L. Rentas	100121

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	**Final Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium Metavanadate (V)	58123	070721	0.1000	300.0	0.084	1000	10000.4	**1000.0**	**2.1**	7803-55-6	1.0 mg/m3	orl-rat 630 mg/kg	3165



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	T
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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M5288 R: 07/21/2022

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CERTIFIED WEIGHT REPORT:

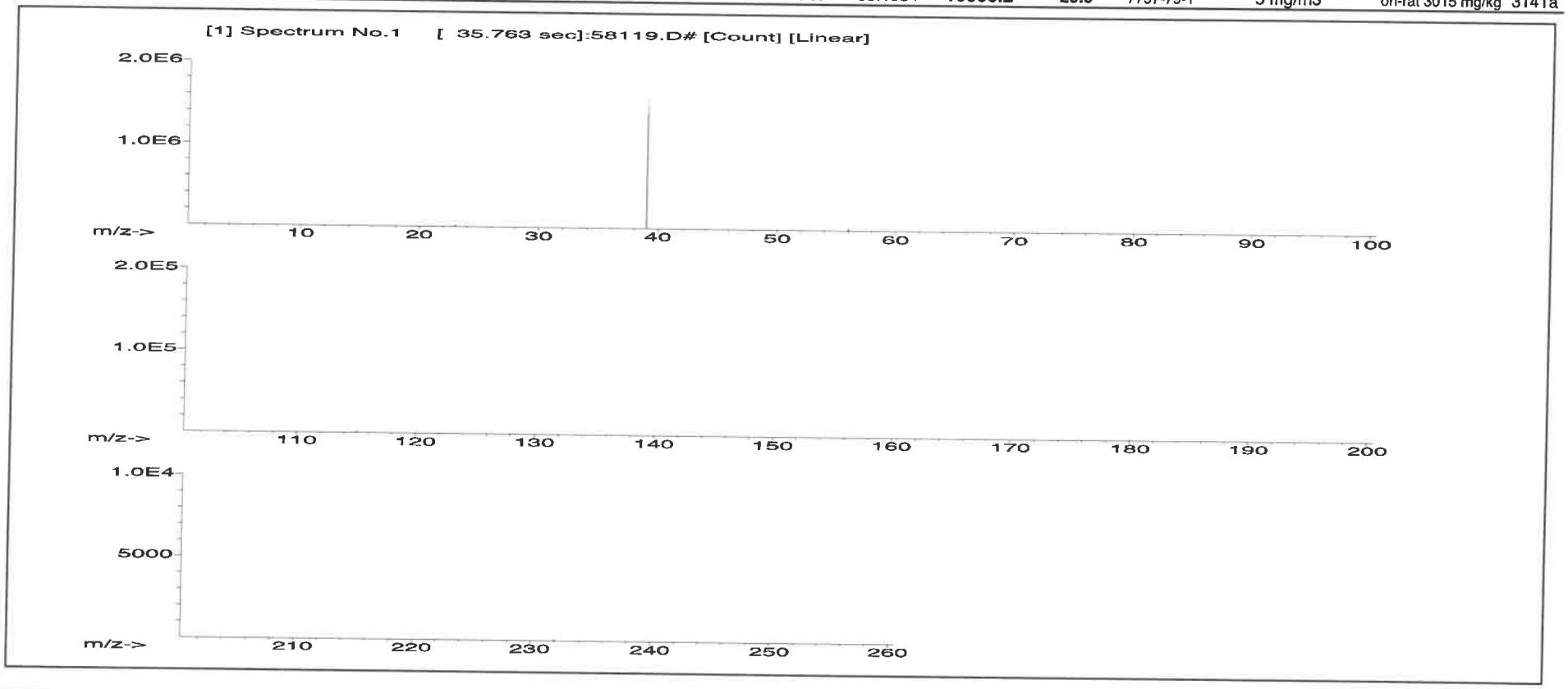
Part Number: 58119
Lot Number: 071122
Description: Potassium (K)

Expiration Date: 071125
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

	Lot #		
Solvent:	20510011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	071122
Reviewed By:	Pedro L. Rentas	071122

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Potassium nitrate (K)	IN034	KD022021A1	10000	99.999	0.10	37.6	53.1925	53.1934	**10000.2**	**20.0**	7757-79-1	5 mg/m3	orl-rat 3015 mg/kg	3141a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	T	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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M5289 R: 07/12/22 BH

Certified Reference Material CRM

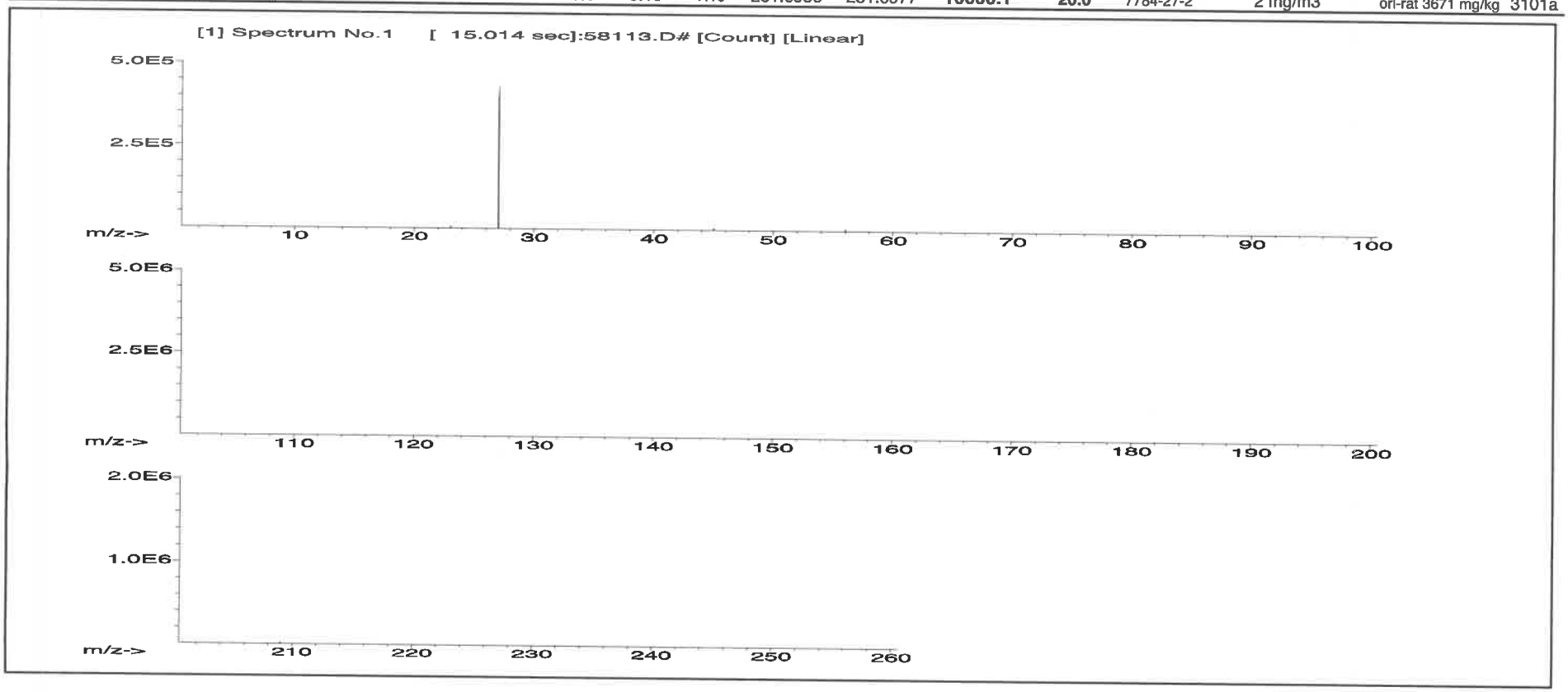
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CERTIFIED WEIGHT REPORT:

Part Number:	**58113**			**Lot #**	
Lot Number:	**070622**		**Solvent:**	20370011	Nitric Acid
Description:	**Aluminum (Al)**				
			2%	40.0 (mL)	Nitric Acid
Expiration Date:	070625				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By:	Lawrence Barry	070622
Reviewed By:	Pedro L. Rentas	070622

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Aluminum nitrate nonahydrate (Al)	IN022	ALD012021A1	10000	99.999	0.10	7.10	281.6956	281.6977	**10000.1**	**20.0**	7784-27-2	2 mg/m3	orl-rat 3671 mg/kg	3101a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	T	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
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* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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R : 4/20/21

QATS LABORATORY INORGANIC REFERENCE MATERIAL
INITIAL CALIBRATION VERIFICATION SOLUTIONS
(ICV1, ICV5, AND ICV6)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Metals in Dilute Acidic or
Cyanide in Basic Aqueous Solutions
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

M5291
M5292
M5293
M5294
M5295

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more Aqueous Inorganic Reference Materials containing various analyte concentrations. ICV1 and ICV5 are in a matrix of dilute nitric acid. ICV6 is in a matrix of dilute basic solution. **For the reference material source in reporting ICVs use "USEPA". For the reference material lot number for the ICV1, ICV5, and ICV6 solutions use "ICV1-1014", "ICV5-0415", and "ICV6-0400", respectively.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

The Initial Calibration Verification Solutions (ICVs) are to be used to evaluate the accuracy of the initial calibrations of ICP, AA, and Cyanide colorimetric instruments, and are to be used with the CLP SOWs and revisions. The values for each element in the ICVs are listed below in µg/L (ppb) for the resulting solution(s) after the dilution of the concentrate(s) according to the following instructions. Use Class 'A' glassware to prepare the solution(s).

ICV1-1014 For ICP-AES analysis, use a 10-fold dilution by pipetting 10 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

The Quality Assurance Technical Support (QATS) contract is operated by APTIM Federal Services, LLC.

ICV1-1014 For ICP-MS analysis, use a 50-fold dilution by pipetting 2 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

ICV5-0415 For the cold vapor analysis of mercury by AA, use a 100-fold dilution by pipetting 1 mL of the ICV5 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV5 concentrate is prepared in 0.05% (w/v) $K_2Cr_2O_7$ and 5% (v/v) nitric acid.

ICV6-0400 For the analysis of cyanide, use a 100-fold dilution by pipetting 1 mL of the ICV6 concentrate into a 100 mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from $K_3Fe(CN)_6$, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

NOTE: USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

(D) *CERTIFIED CONCENTRATIONS OF QATS ICV1, ICV5, AND ICV6 SOLUTIONS*

ICV1-1014		
Element	**Concentration (µg/L) (after 10-fold dilution)**	**Concentration (µg/L) (after 50-fold dilution)**
Al	2500	500
Sb	1000	200
As	1000	200
Ba	520	100
Be	510	100
Cd	510	100
Ca	10000	2000
Cr	520	100
Co	520	100
Cu	510	100
Fe	10000	2000
Pb	1000	200
Mg	6000	1200
Mn	520	100
Ni	530	110
K	9900	2000
Se	1000	200
Ag	250	50
Na	10000	2000
Tl	1000	210
V	500	100
Zn	1000	200

ICV5-0415		ICV6-0400	
Element	**Concentration (µg/L) (after 100-fold dilution)**	**Analyte**	**Concentration (µg/L) (after 100-fold dilution)**
Hg	4.0	**CN^-**	99

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R: 09/08/22 (BA)

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M5387 . M5389 . M5390 . M5391 . M5392

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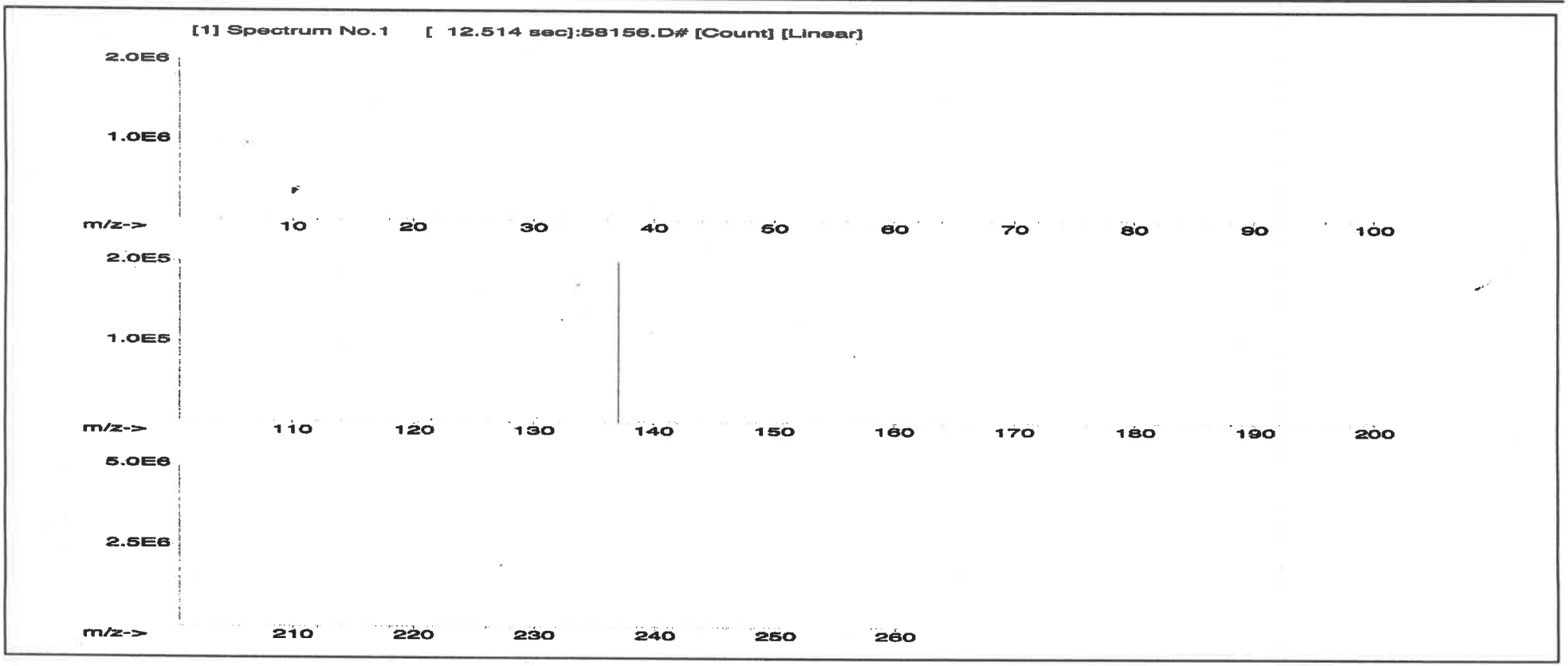
CERTIFIED WEIGHT REPORT:

		Lot #		
Part Number:	**57056**	**Solvent:**	20510011	Nitric Acid
Lot Number:	**072122**			
Description:	**Barium (Ba)**	2%	40.0 (mL)	Nitric Acid
Expiration Date:	072125			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Giovanni Esposito

Formulated By:	Giovanni Esposito	072122
Reviewed By:	Pedro L. Rentas	072122

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Barium nitrate (Ba)	IN023	BAD022019A1	1000	99.999	0.10	52.3	3.82417	3.82426	**1000.0**	**2.0**	10022-31-8	0.5 mg/m3	orl-rat 355 mg/kg	3104a



ASTM-METALS

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	T	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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M5429 Rev 01/26/23 BH

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P3573-METALS

CERTIFIED WEIGHT REPORT:

Part Number: 57103
Lot Number: 070622
Description: Lithium (Li)

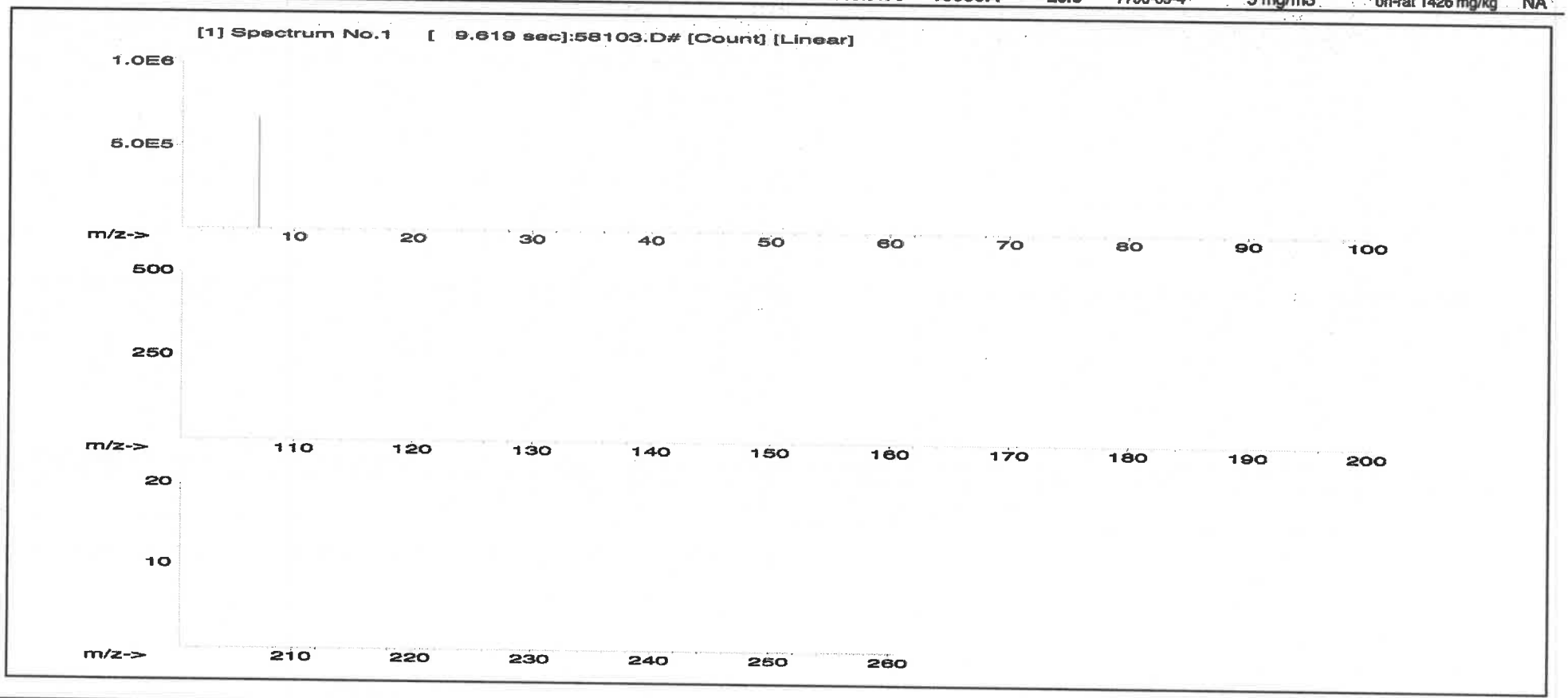
Expiration Date: 070625
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 1000.12

	Lot #		
Solvent:	20510011	Nitric Acid	
2%	20.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Lawrence Barry	070622
Reviewed By:	Pedro L. Rentas	070622

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lithium nitrate (Li)	IN019	LIZ042018A1	10000	99.999	0.10	10.0	100.0134	100.0173	**10000.4**	**20.0**	7790-69-4	5 mg/m3	orl-rat 1426 mg/kg	NA



8573-METALS

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	T	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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M5497 - M5498 R: 03/17/23 BH

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P3573-METALS

CERTIFIED WEIGHT REPORT:

Part Number: 58120
Lot Number: 031523
Description: Calcium (Ca)

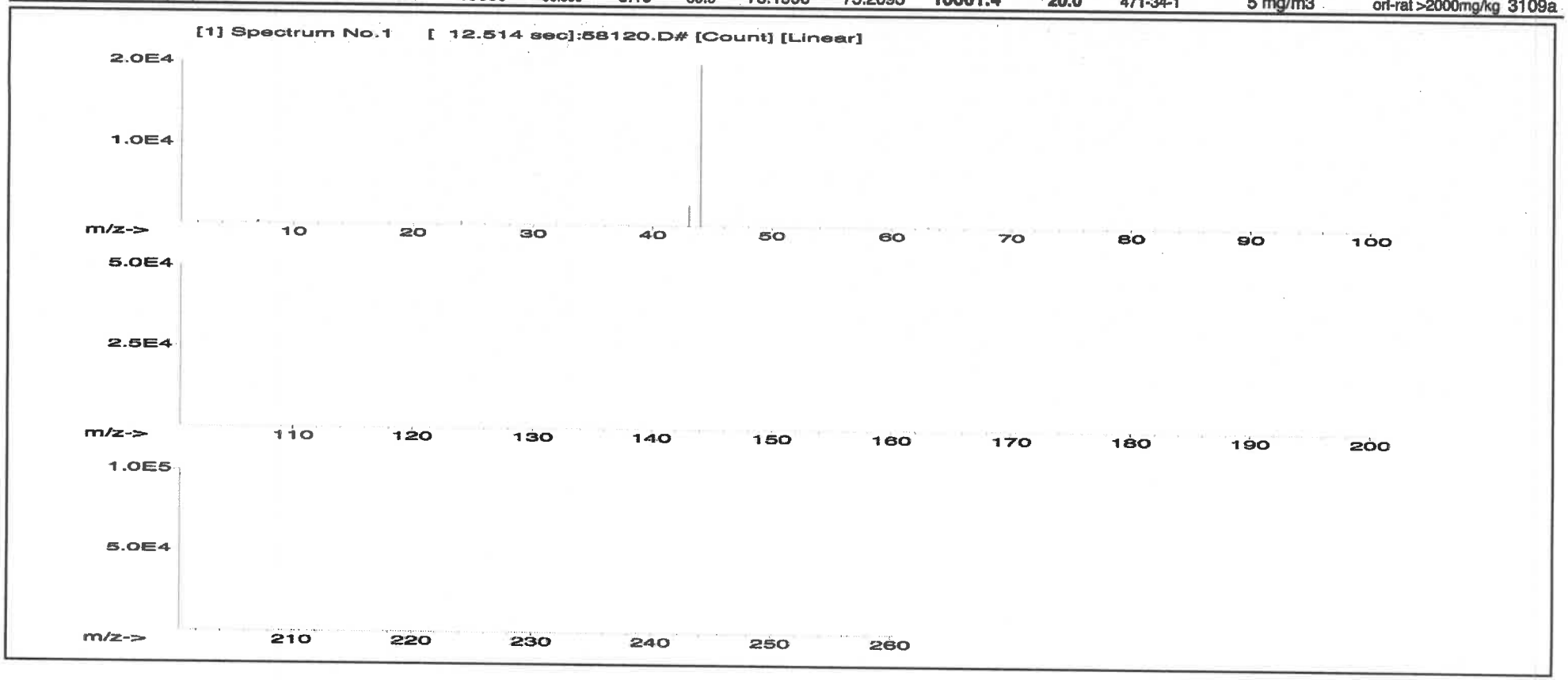
Expiration Date: 031526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.41

Lot #			
Solvent:	21110221	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
	0.058	Flask Uncertainty	

Giovanni Esposito

Formulated By:	Giovanni Esposito	031523
Reviewed By:	Pedro L. Rentas	031523

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Calcium carbonate (Ca)	IN014	CAD072022A1	10000	99.999	0.10	39.9	75.1990	75.2093	**10001.4**	**20.0**	471-34-1	5 mg/m3	orl-rat >2000mg/kg	3109a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	T	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

TM-27.2 METALS
1096 of 1201
Revised

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M 5513 R: 03/17/23 BF

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CERTIFIED WEIGHT REPORT:

Part Number: 57182
Lot Number: 061522
Description: Lead (Pb)

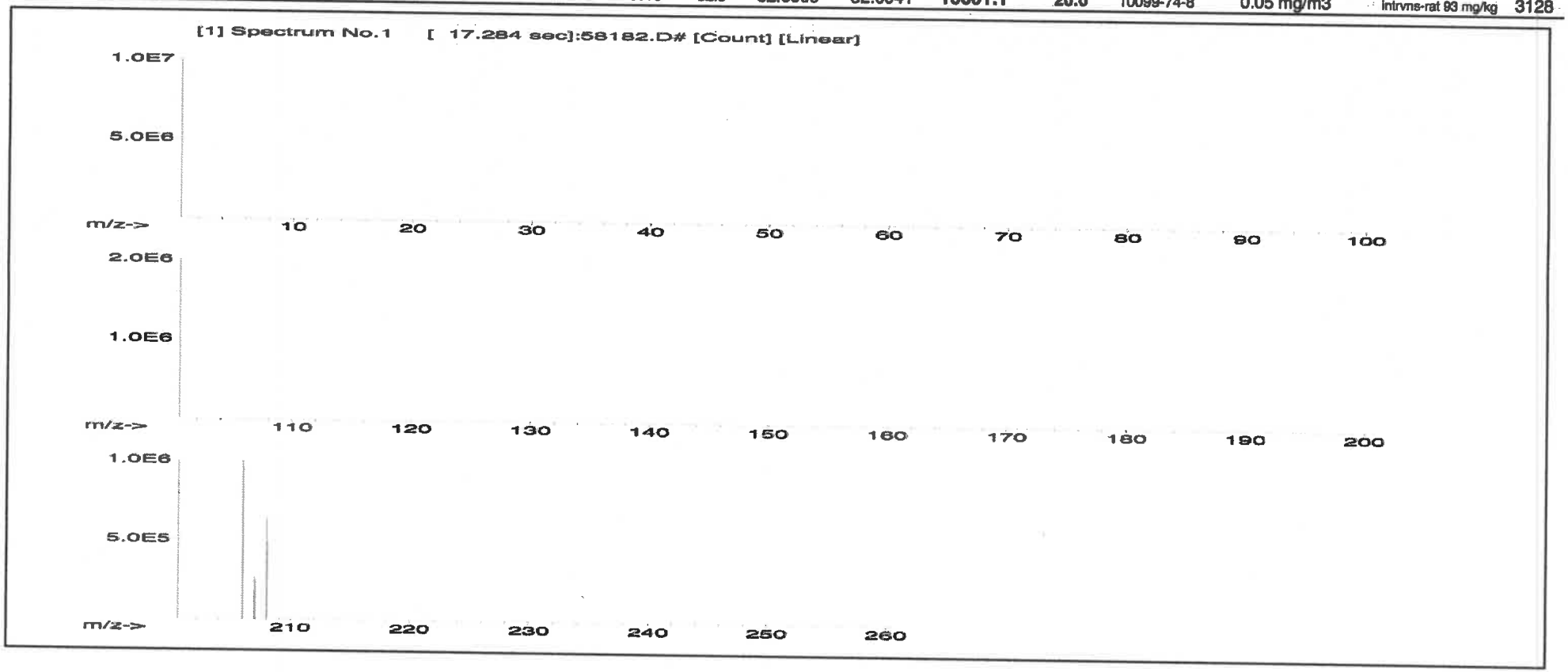
Expiration Date: 061525
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

	Lot #		
Solvent:	20510011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
	0.058	Flask Uncertainty	

Giovanni Esposito

Formulated By:	Giovanni Esposito	061522
Reviewed By:	Pedro L. Rentas	061522

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lead(II) nitrate (Pb)	IN029	PBD122016A1	10000	99.999	0.10	62.5	32.0006	32.0041	**10001.1**	**20.0**	10099-74-8	0.05 mg/m3	Intrvns-rat 93 mg/kg	3128



3673-METALS

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	T	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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M5514 , M5515 R: 03/17/23

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CERTIFIED WEIGHT REPORT:

Part Number: 58126
Lot Number: 092122
Description: Iron (Fe)

Expiration Date: 092125
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 5000.1 0.12 Flask Uncertainty

	Lot #		
Solvent:	20510011	Nitric Acid	
7.0%	350.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	

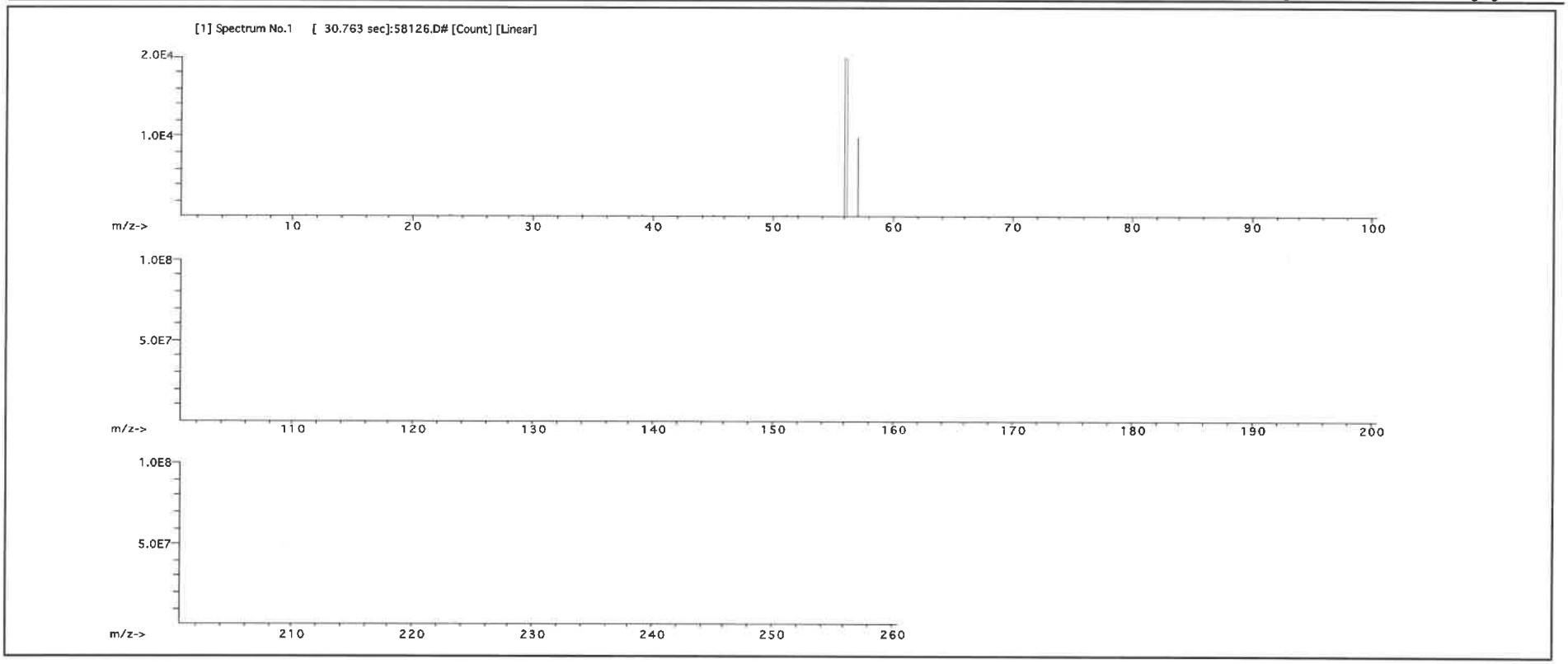
Giovanni Esposito

Formulated By:	Giovanni Esposito	092122

Pedro Rentas

Reviewed By:	Pedro L. Rentas	092122

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Iron (Fe)	IN346	2224912-500	10000	99.995	0.10	100.0	50.0034	50.0111	**10001.5**	**20.0**	7439-89-6	5 mg/m3	orl-rat 7500mg/kg	3126a



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R53 METALS

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																			
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.10	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.10	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.05	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.10	Ge	<0.10	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.05
B	<0.02	Cu	<0.10	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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M5519. M5520 BH R:03/17/23

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CERTIFIED WEIGHT REPORT:

Part Number: 58119
Lot Number: 120822
Description: Potassium (K)

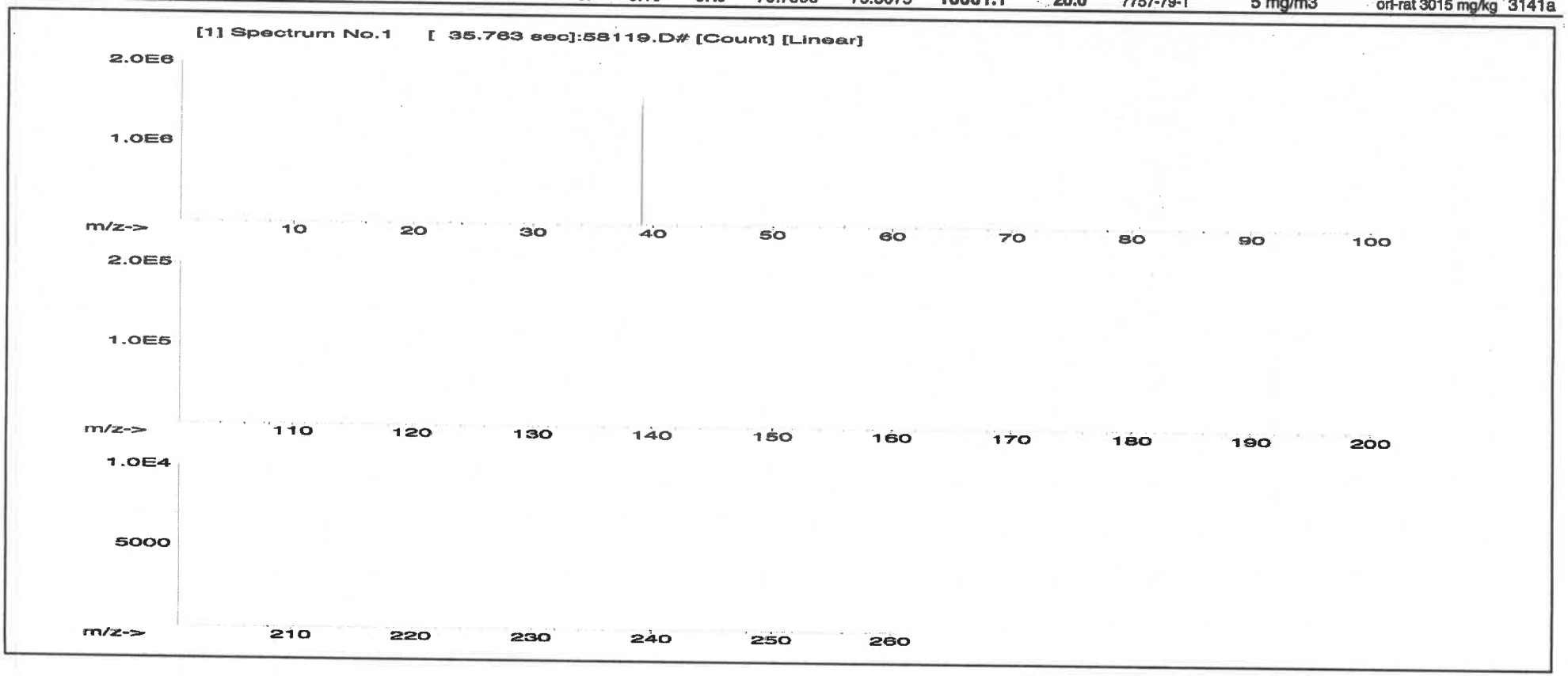
Expiration Date: 120825
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.4 ± 0.06 Flask Uncertainty

		Lot #	
Solvent:	20510011		Nitric Acid
	2%	60.0 (mL)	Nitric Acid
		5E-05	Balance Uncertainty

Giovanni Esposito

Formulated By:	Giovanni Esposito	120822
Reviewed By:	Pedro L. Rentas	120822

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Potassium nitrate (K)	IN034	KD022021A1	10000	99.999	0.10	37.6	79.7990	79.8075	**10001.1**	**20.0**	7757-79-1	5 mg/m3	orl-rat 3015 mg/kg	3141a



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P3573-METALS

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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	T	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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JENSEN INERT PRODUCTS

MATERIAL CERTIFICATE OF COMPLIANCE

DATE: JUNE 12, 2023

CUSTOMER:	PCI SCIENTIFIC SUPPLY, INC
PURCHASE ORDER NO.	6054931
CATALOG NO.	BOI5021-450L
PRODUCT DESCRIPTION:	BOILING STONES, TFE, 454GMS
QUANTITY:	10 EACH
LOT NO.	W126678
SPECIFICATION (S):	Made from Virgin PTFE Resin

We certify that we have complied with the terms and conditions of the above Purchase Order and the Part Specifications in the manufacturing of the above product.

Laura Valencia

Laura Valencia
Quality Assurance Inspector

F:U:J:CF:PCISCI:COC-55114-BOI5021-061223

3773 NW 126th Avenue • Coral Springs, Florida 33065 • Fax (954) 344-2008 • 1-800 446-3781
Email: jensen@jenseninert.com Visit our Web Site at www.jenseninert.com

CORCO CHEMICAL CORPORATION

Manufacturers of ACS Reagents and Semiconductor Grade Chemicals

CERTIFICATE OF ANALYSIS

Date: 8/3/2022 MS631 MS632 MS633 MS634 **Lot No 820803**

Hydrogen Peroxide, ACS
Reagent Grade

TEST	MAXIMUM LIMITS	RESULT
Appearance	Colorless and free from suspended matter or sediment	Pass
Assay	29-32%	31.4%
Color (APHA)	10	5
Residue after Evaporation	0.002%	.0001%
Titratable Acid	0.0006 meq/g	< .0006 meq/g
Chloride (Cl)	2 ppm	< 1 ppm
Nitrate (NO_3)	2 ppm	< 1 ppm
Phosphate	2 ppm	< 1 ppm
Sulfate (SO_4)	5 ppm	< .5 ppm
Ammonium (NH_4)	5 ppm	< 1 ppm
Heavy Metals (as Pb)	1 ppm	< .1 ppm
Iron (Fe)	0.5 ppm	< .1 ppm
Sodium Stannate	200 – 300 ppb	Pass

***Our Hydrogen Peroxide is considered un-stabilized because it is very slightly stabilized with Sodium Stannate, 500 ppb maximum, just for safety purposes.

Date of MFG: 8/2022
Retest date: 8/2024

Gina M. Rambo
Office Manager

CORCO CHEMICAL CORPORATION. 299 CEDAR LANE. FAIRLESS HILLS, PA 19030. 215-295-5006. FAX 215-295-0781

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M5658 R ! 8/25/23

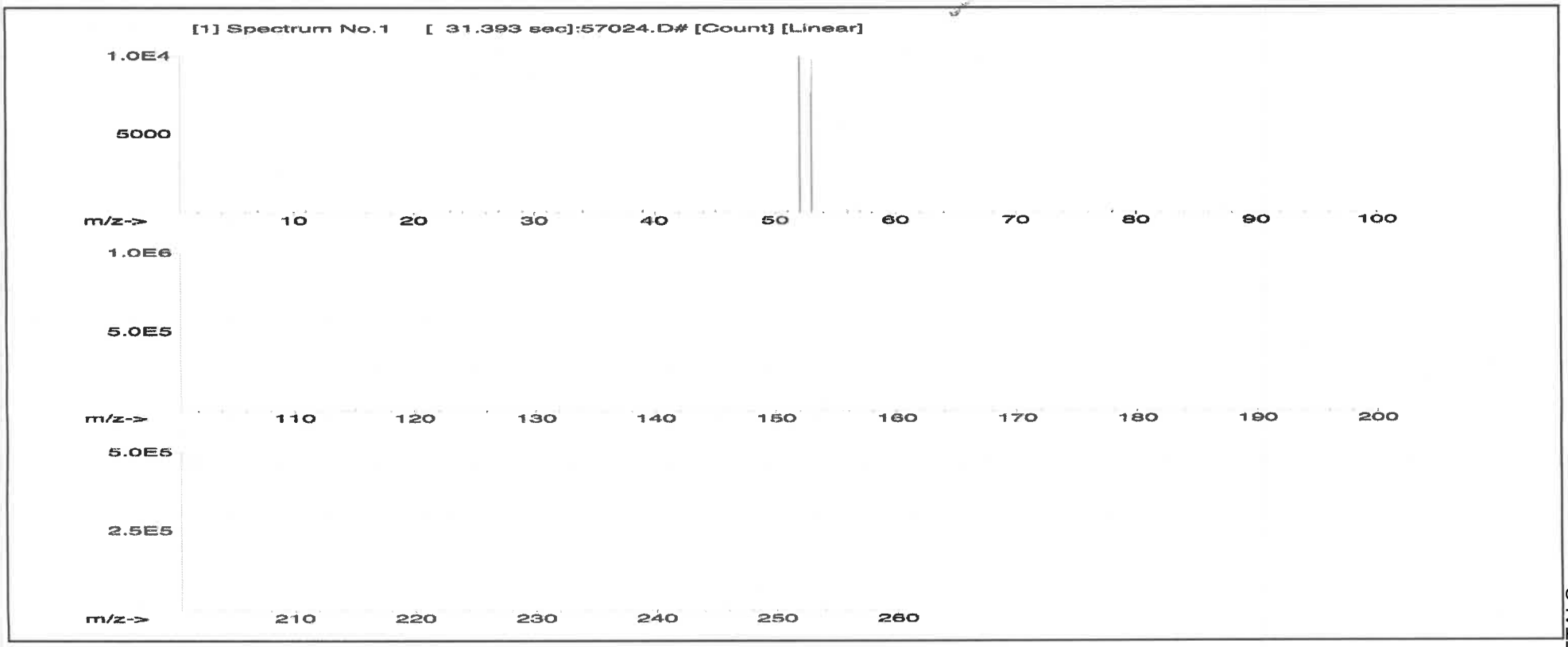
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**58024**	21110221	Nitric Acid	
Lot Number:	**060523**			
Description:	**Chromium (Cr)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	060526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	060523
Reviewed By:	Pedro L. Rentas	060523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Chromium(III) nitrate nonahydrate (Cr)	58124	071122	0.1000	200.0	0.084	1000	10000.1	**1000.0**	**2.2**	7789-02-8	0.5 mg(Cr)/m3	orl-rat 3250 mg/kg	3112a



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AR-1539 Certificate Number
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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	T	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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M5697 R: 10/27/23

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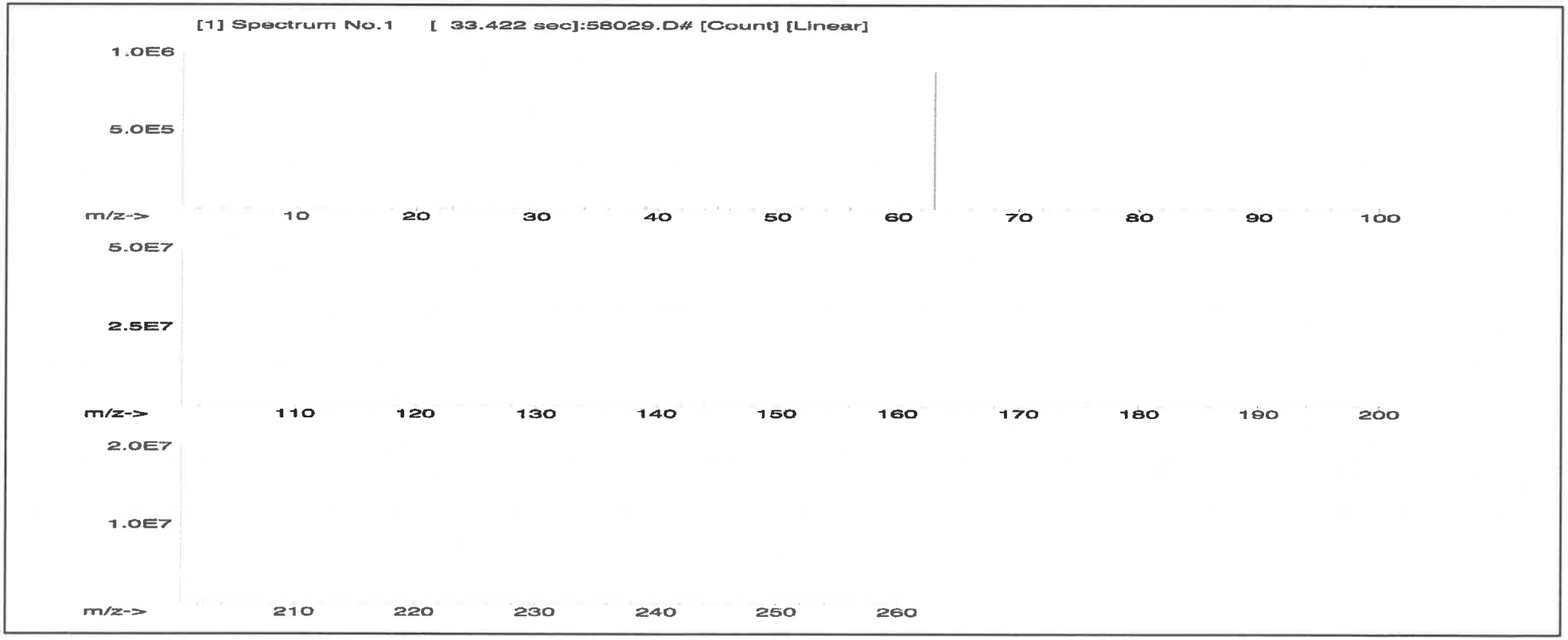
Revised 1107 of 1201

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**58029**	24002546	Nitric Acid	
Lot Number:	**102523**			
Description:	**Copper (Cu)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	102526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Benson Chan	102523
Reviewed By:	Pedro L. Rentas	102523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Copper(II) nitrate trihydrate (Cu)	58129	100223	0.1000	200.0	0.084	1000	10000.1	**1000.0**	**2.2**	10031-43-3	1 mg/m3	orl-rat 794 mg/kg	3114



P3573-METALS

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1108 of 1201

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	T	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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M5648 R: 10/27/23

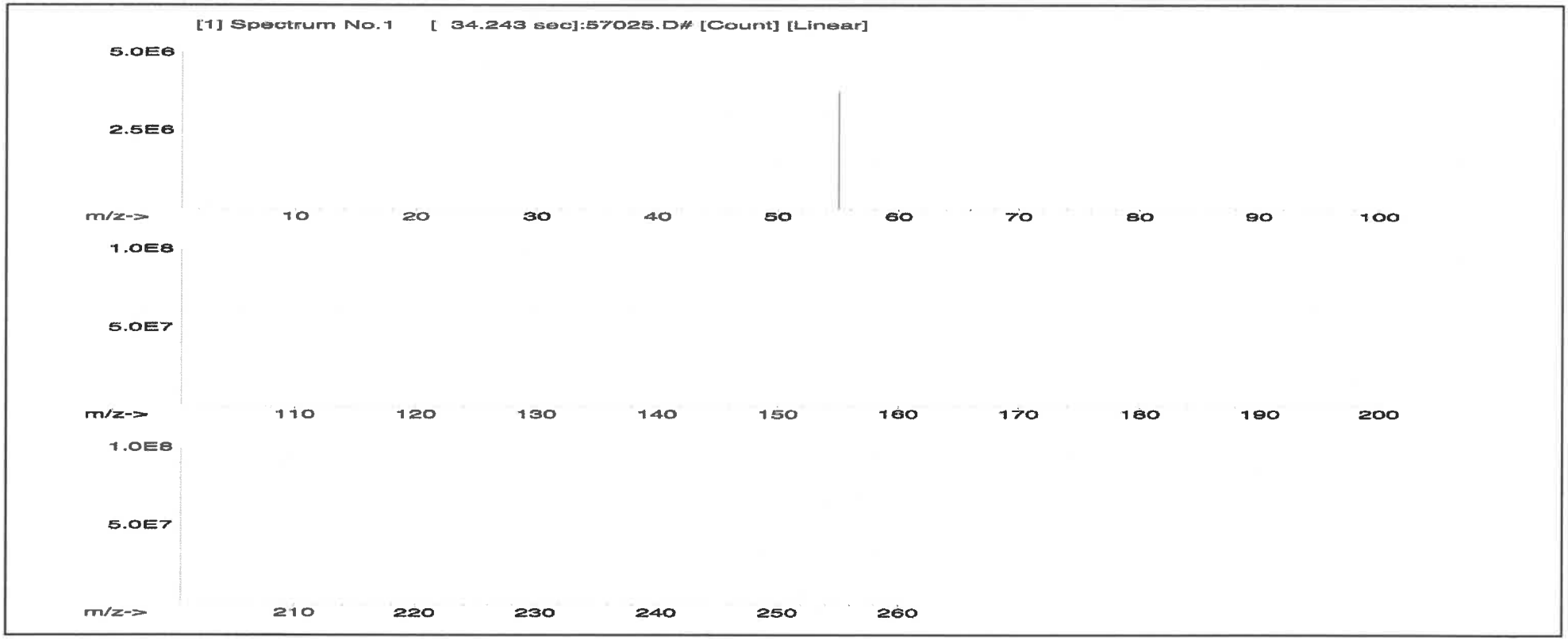
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CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**58025**	24002546	Nitric Acid		
Lot Number:	**102623**				
Description:	**Manganese (Mn)**	2.0%	60.0 (mL)	Nitric Acid	
Expiration Date:	102626				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	3000.41	0.058	Flask Uncertainty		

Formulated By:	Benson Chan	102623
Reviewed By:	Pedro L. Rentas	102623

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Manganese(II) nitrate tetrahydrate (Mn)	58125	071123	0.1000	300.0	0.084	1000	10000.1	**1000.0**	**2.1**	20694-39-7	5 mg/m3	orl-rat >300mg/kg	3132



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	T	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the balances that are calibrated with weights traceable to NIST (see above).
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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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R: 12/20/23 M5747

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CERTIFIED WEIGHT REPORT:

Part Number: 57082
Lot Number: 100923
Description: Lead (Pb)

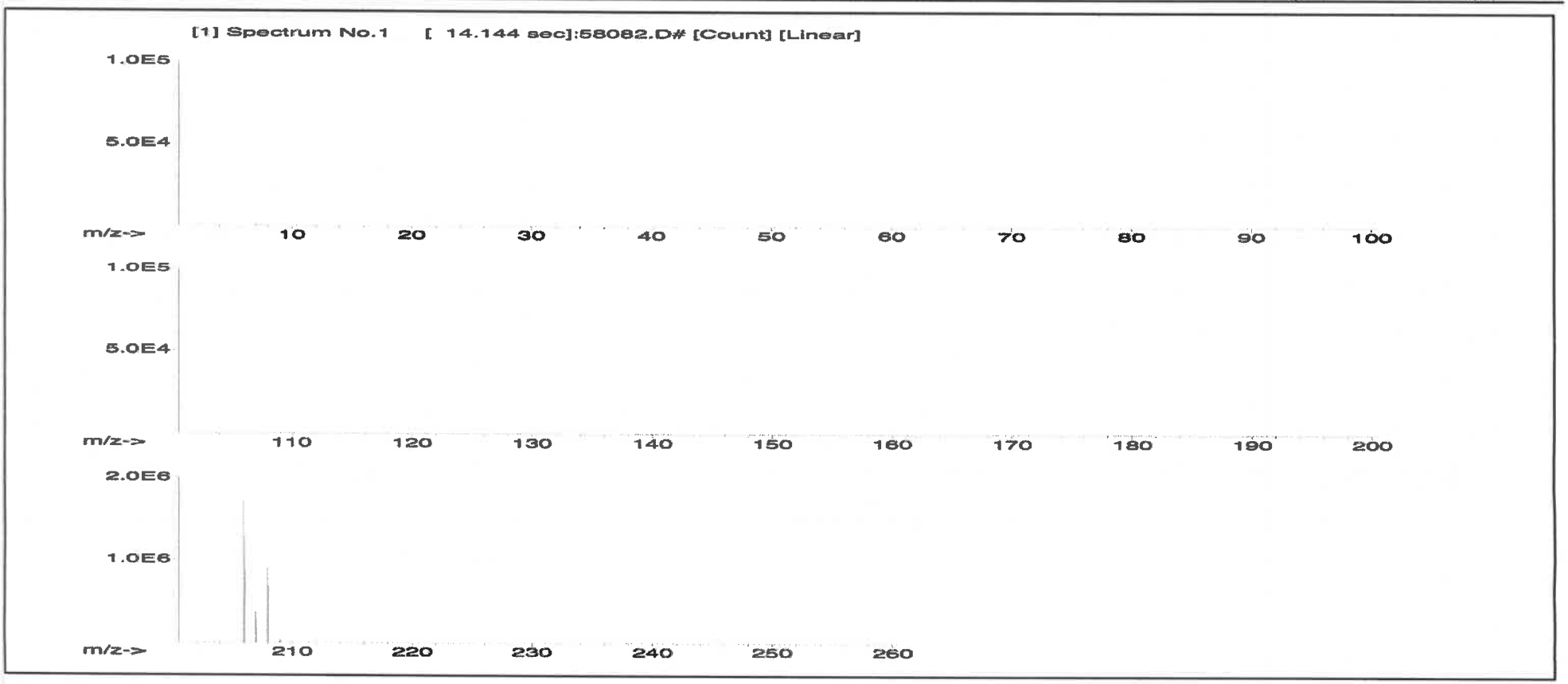
Expiration Date: 100926
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.41 0.06 Flask Uncertainty

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Formulated By:	Lawrence Barry	100923
Reviewed By:	Pedro L. Rentas	100923

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lead(II) nitrate (Pb)	IN029	PBD122016A1	1000	99.999	0.10	62.5	4.80071	4.80077	**1000.0**	**2.0**	10099-74-8	0.05 mg/m3	intrvns-rat 93 mg/kg	3128



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	T	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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Certified Reference Material CRM

R: 12/20/23 M5748

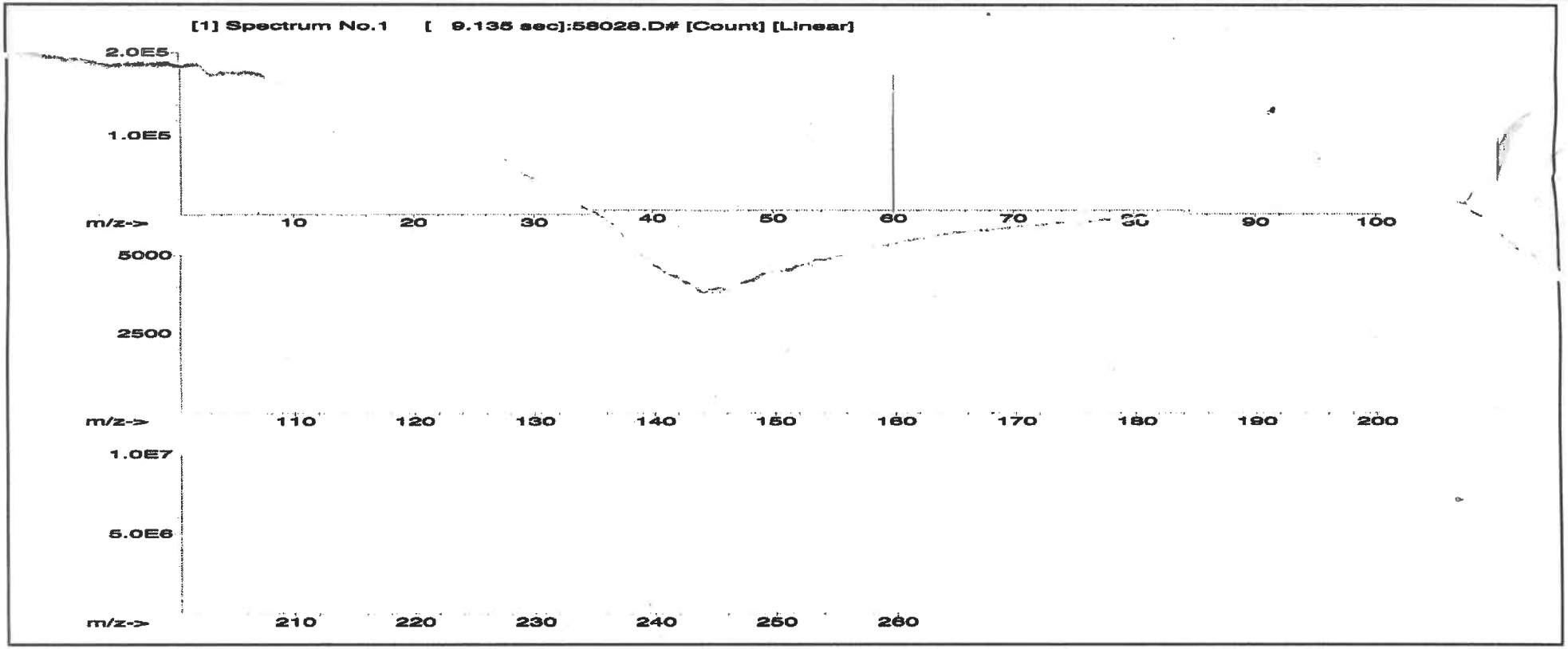
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CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57028**	24002546	Nitric Acid	
Lot Number:	**091223**			
Description:	**Nickel (Ni)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	091226			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	091223
Reviewed By:	Pedro L. Rentas	091223

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Nickel(II) nitrate hexahydrate (Ni)	58128	062023	0.1000	200.0	0.084	1000	10000.4	**1000.0**	2.2	13478-00-7	1 mg/m3	orl-rat 1620 mg/kg	3136



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	T	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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M5768 M5769 (BP) R:1/3/24

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CERTIFIED WEIGHT REPORT:

Part Number: 58112
Lot Number: 091823
Description: Magnesium (Mg)

Expiration Date: 091826
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02 ± 0.058 Flask Uncertainty

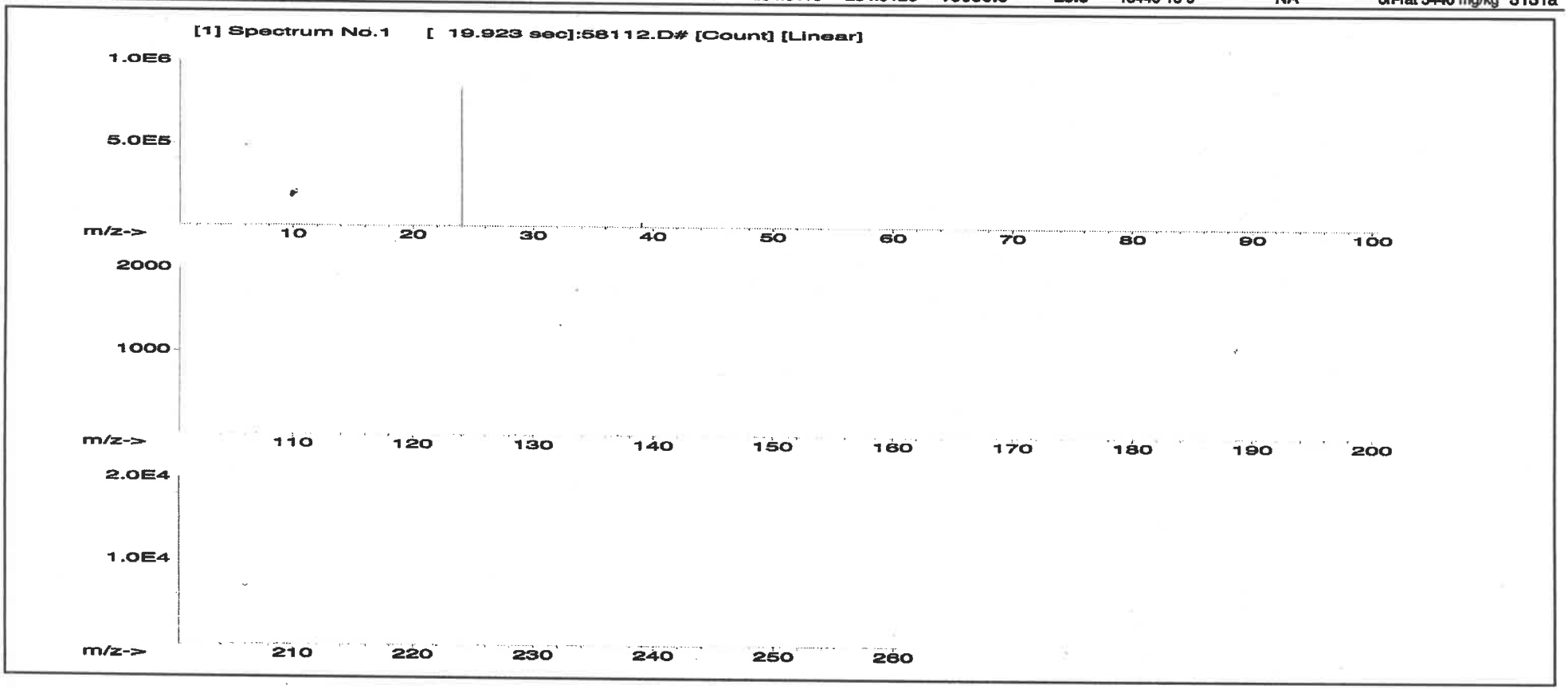
	Lot #		
Solvent:	24002546	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

M5768, M5769 (BP) R: 1/3/24

Formulated By:	Lawrence Barry	091823
Reviewed By:	Pedro L. Rentas	091823

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Magnesium nitrate hexahydrate (Mg)	IN030	MGD052023A1	10000	99.999	0.10	8.51	234.9118	234.9126	**10000.0**	**20.0**	13446-18-9	NA	orl-rat 5440 mg/kg	3131a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	T	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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R: 02/09/24 M5798

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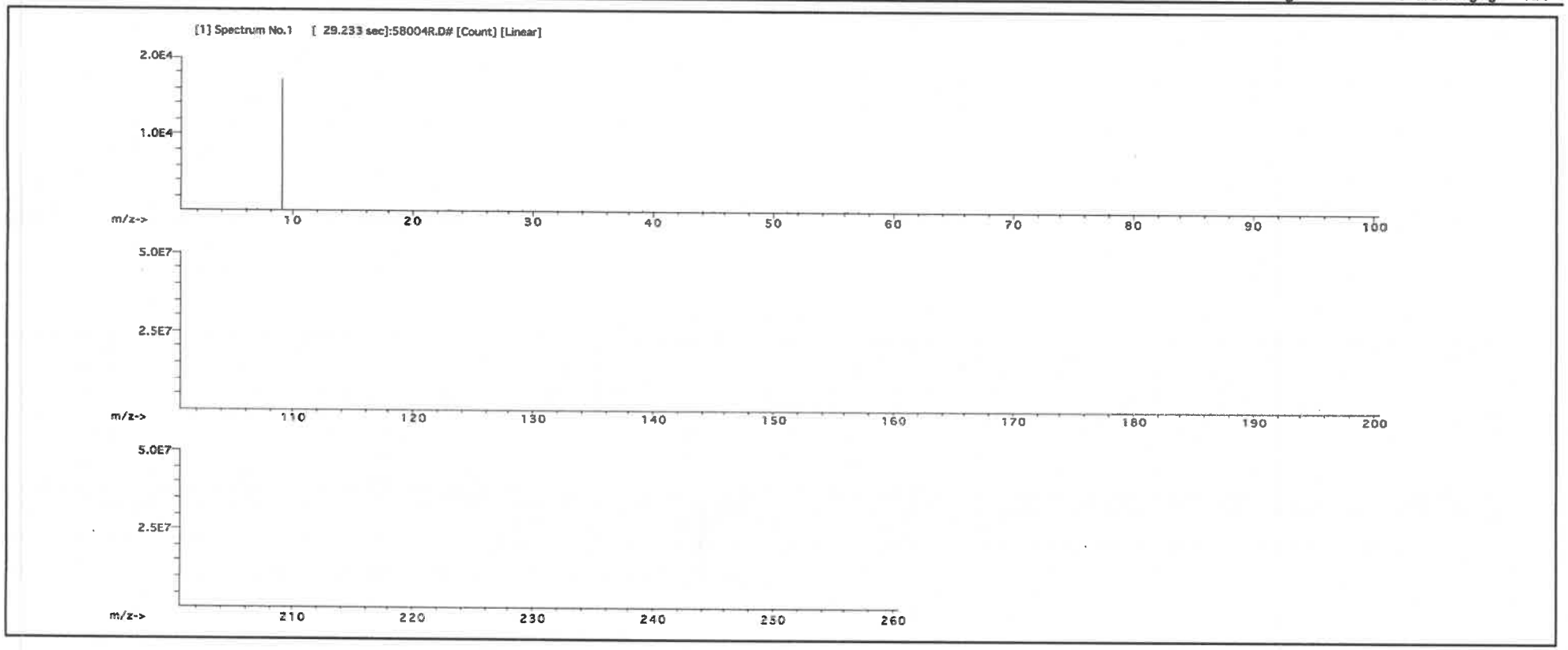
Revised

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57004**			
Lot Number:	**102523**	24002546	Nitric Acid	
Description:	**Beryllium (Be)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	102526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Benson Chan	102523
Reviewed By:	Pedro L. Rentas	102523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Beryllium nitrate (Be)	58104	091423	0.1000	200.0	0.084	1000	10001.5	**1000.0**	**2.2**	13597-99-4	0.2ug/m3	intrvns-rat 3.16mg/kg	NA



A3573-METALS

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																		
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	T	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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CERTIFIED WEIGHT REPORT:

Part Number: 57050
Lot Number: 071123
Description: Tin (Sn)

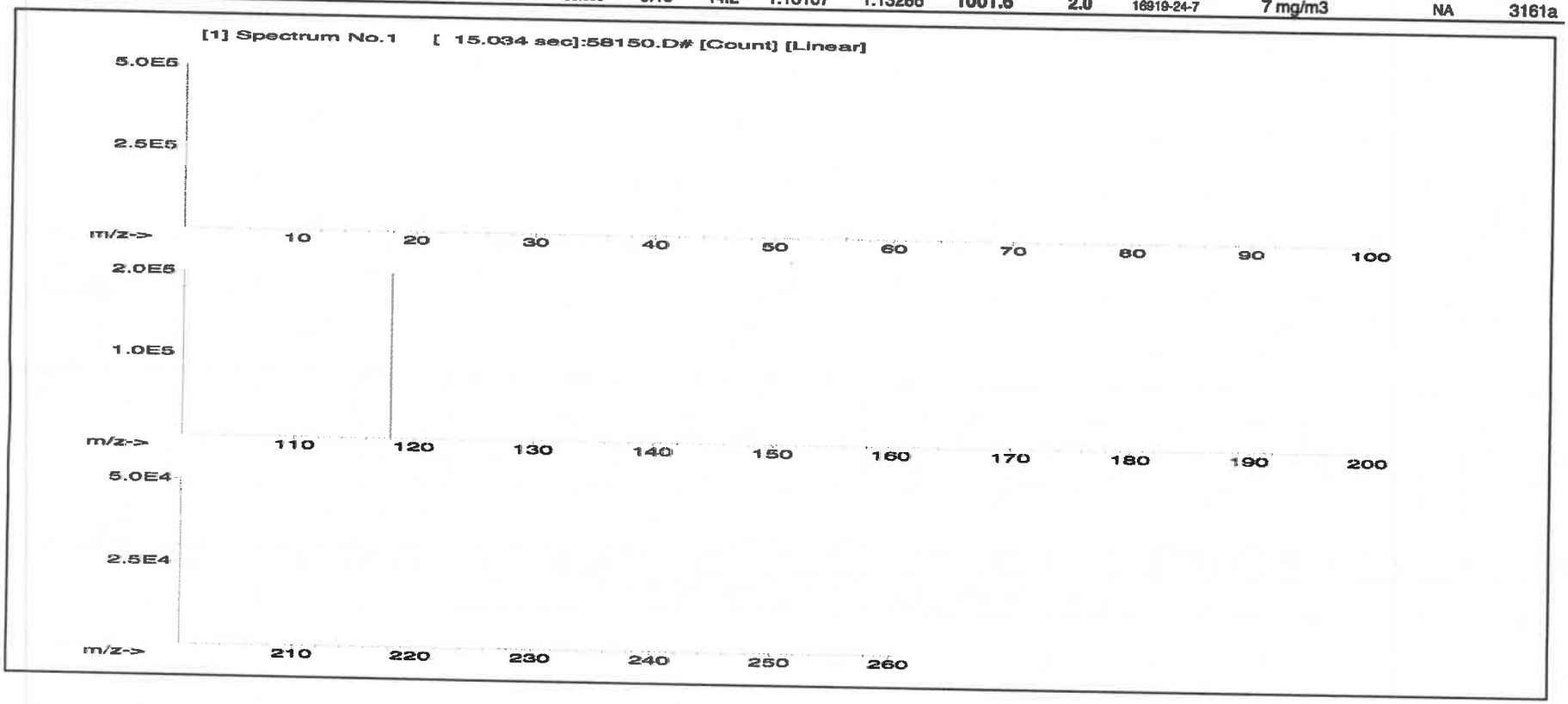
Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 499.93

Lot #		
Solvents:	21110221	Nitric Acid
	22D0562008	Hydrochloric acid
2%	10.0	Nitric Acid
6%	30.0	Hydrochloric acid
	(mL)	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Benson Chan	071123
Reviewed By:	Pedro L. Rentas	071123

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium hexafluorostannate(IV) (Sn)	IN010	SND042023A1	1000	99.999	0.10	44.2	1.13107	1.13286	**1001.6**	**2.0**	16919-24-7	7 mg/m3	NA	3161a



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1120 of 1201

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<500	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	T	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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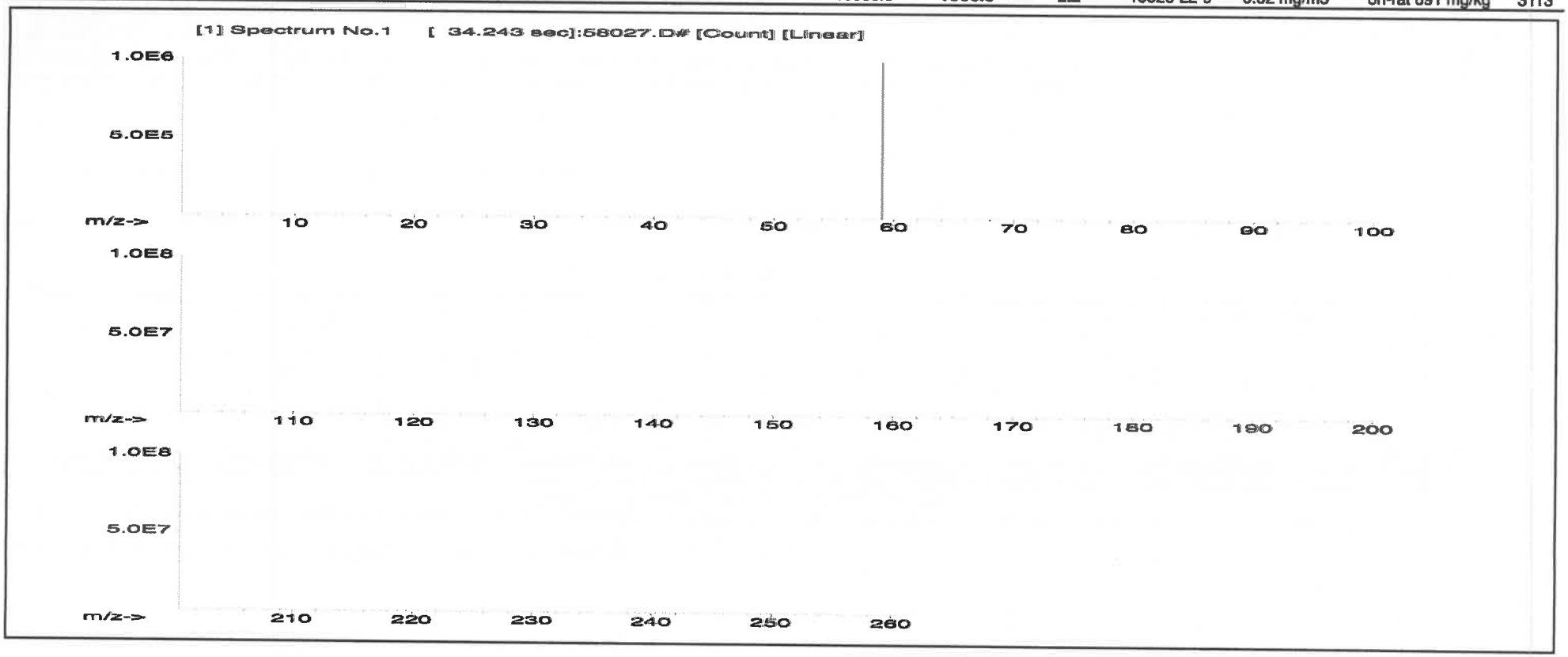
CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57027**	24002546	Nitric Acid		
Lot Number:	**091923**				
Description:	**Cobalt (Co)**	2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	091926				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By: Lawrence Barry 091923

Reviewed By: Pedro L. Rentas 091923

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Cobalt(II) nitrate hexahydrate (Co)	58127	050923	0.1000	200.0	0.084	1000	10000.0	**1000.0**	**2.2**	10026-22-9	0.02 mg/m3	orl-rat 691 mg/kg	3113



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	T	Gé	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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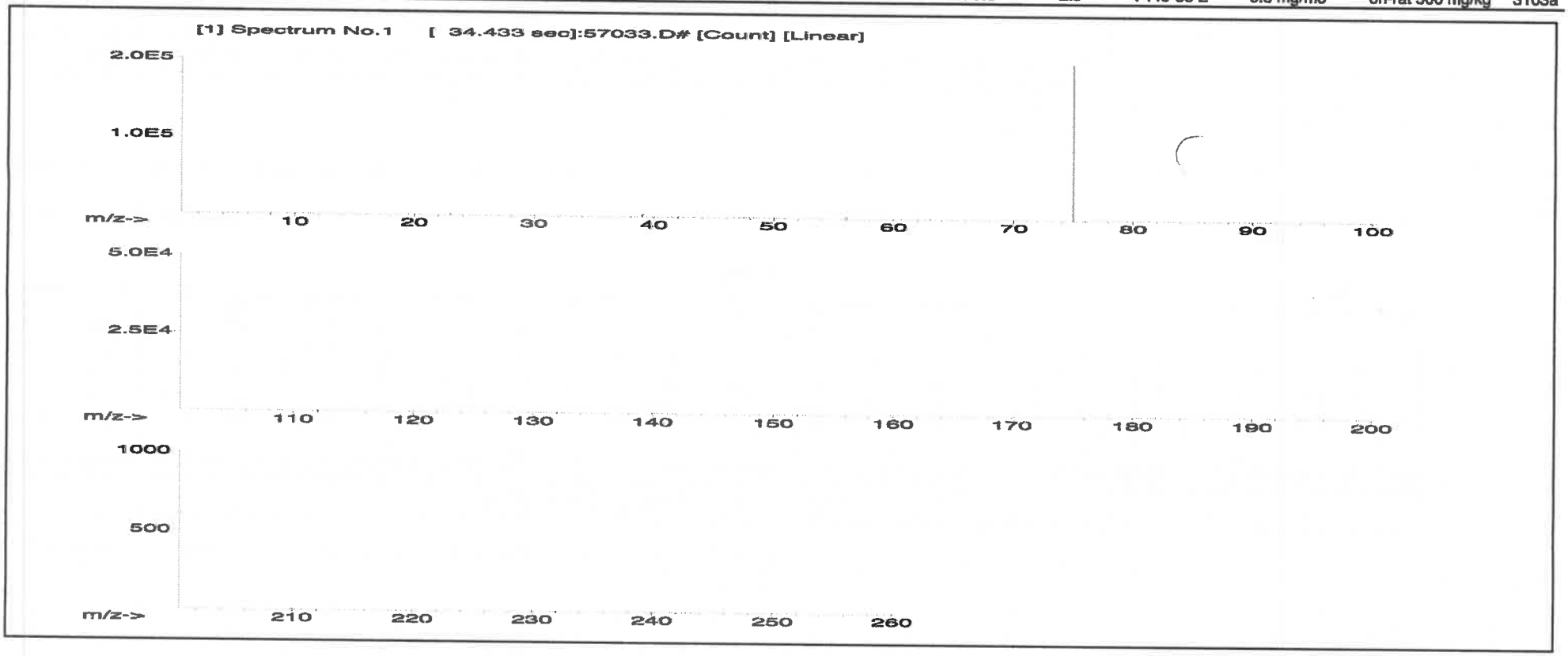
Revised

CERTIFIED **WEIGHT** REPORT:

		Lot #	Solvent:		
Part Number:	**57033**				
Lot Number:	**111323**	24002546	Nitric Acid		
Description:	**Arsenic (As)**				
		2.0%	80.0 (mL)	Nitric Acid	
Expiration Date:	111326				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	4000.0	0.06	Flask Uncertainty		

Formulated By:	Lawrence Barry	111323
Reviewed By:	Pedro L. Rentas	111323

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Arsenic (As)	58133	020522	0.1000	400.0	0.084	1000	10001.0	**1000.0**	**2.0**	7440-38-2	0.5 mg/m3	orl-rat 500 mg/kg	3103a



P3573-METALS

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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	T	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge*	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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A: 02/09/24 M.5814

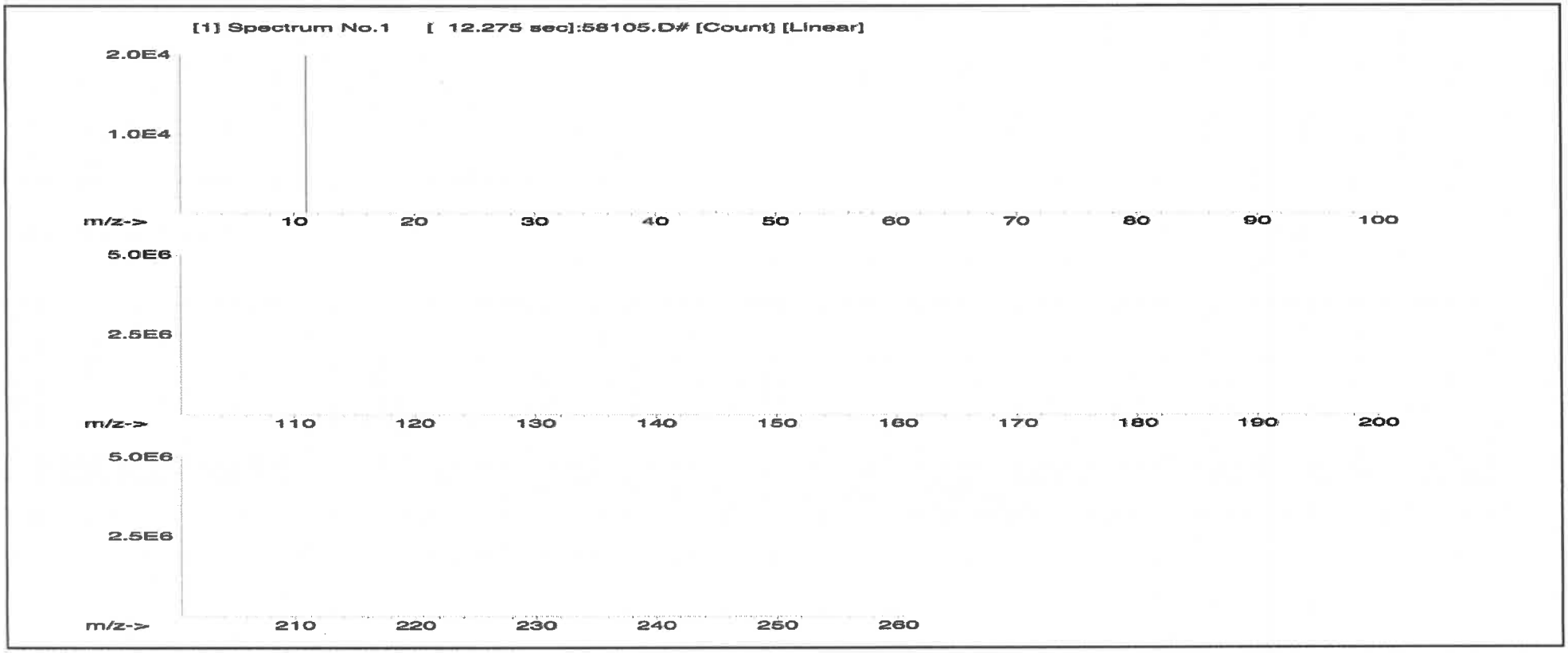
CERTIFIED WEIGHT REPORT:

Part Number:	**57005**		**Solvent:**	MKBQ8597V	Ammonium hydroxide
Lot Number:	**071123**				
Description:	**Boron (B)**		2.0%	40.0 (mL)	Ammonium hydroxide
Expiration Date:	071126				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	1999.48	0.058	Flask Uncertainty		

Lot #

Formulated By:	Benson Chan	071123
Reviewed By:	Pedro L. Rentas	071123

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Boric acid (B)	IN018	BV092016A1	1000	99.9999	0.10	17.3	11.55772	11.56201	**1000.4**	**2.0**	10043-35-3	2 mg/m3	orl-rat 2660 mg/kg	3107



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P3573-METALS

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Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	T	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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CERTIFIED WEIGHT REPORT:

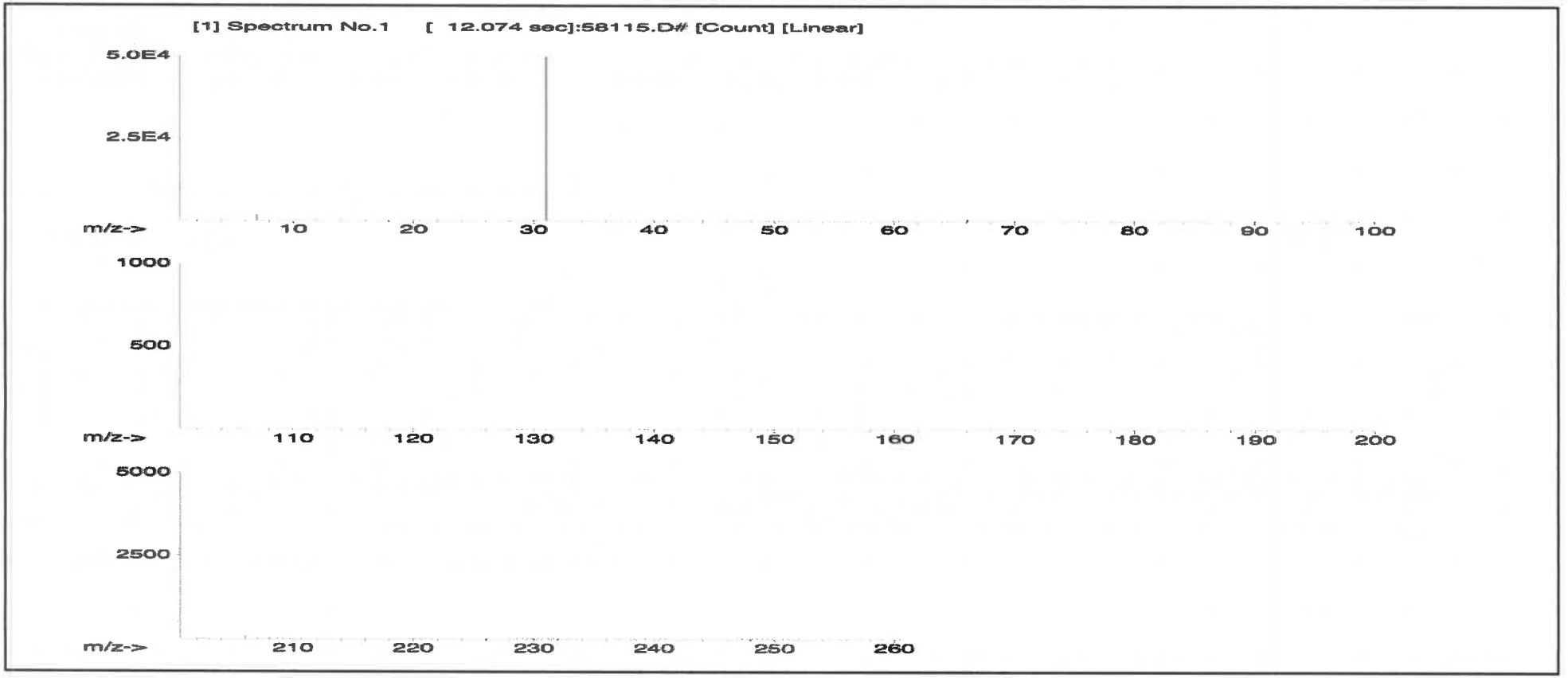
Part Number: 57115
Lot Number: 041723
Description: Phosphorous (P)

Expiration Date: 041726
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

		Lot #	
Solvent:	21110221		Nitric Acid
	2%	40.0 (mL)	Nitric Acid
		5E-05	Balance Uncertainty

Formulated By:	Lawrence Barry	041723
Reviewed By:	Pedro L. Rentas	041723

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium dihydrogen phosphate (P)	IN008	PV082019A1	10000	99.999	0.10	27.5	72.7287	72.7289	**10000.0**	**20.0**	7722-76-1	5 mg/m3	orl-rat >2000mg/kg	3186



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	T	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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R: 02/09/24 M5816

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CERTIFIED WEIGHT REPORT:

Part Number: 57016
Lot Number: 122923
Description: Sulfur (S)

Expiration Date: 122926
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

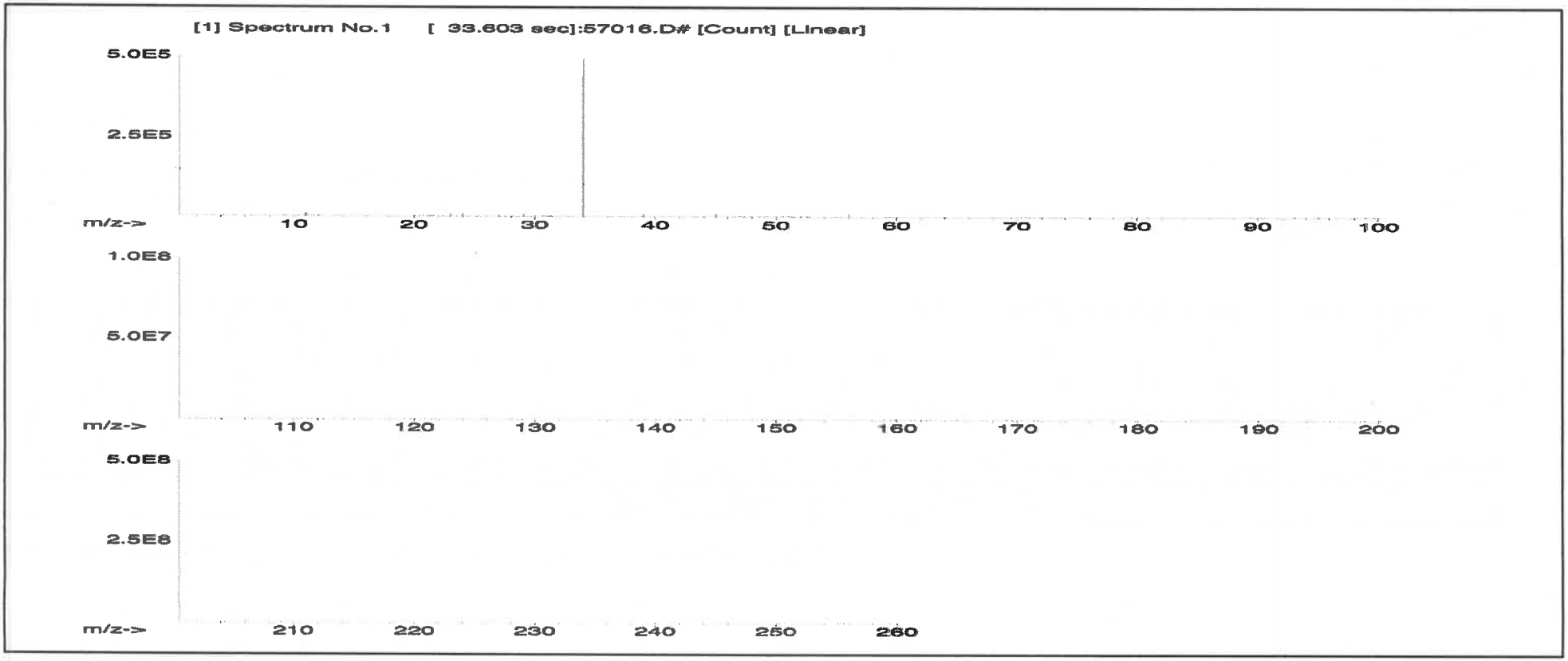
Weight shown below was diluted to (mL): 4000.0 0.06 Flask Uncertainty

Solvent: Lot # 122923 ASTM Type 1 Water

5E-05 Balance Uncertainty

Formulated By:	Benson Chan	122923
Reviewed By:	Pedro L. Rentas	122923

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium sulfate (S)	IN117	SLBR7225V	1000	99.9	0.10	24.3	16.4979	16.4980	**1000.0**	**2.0**	7783-20-2	NA	orl-rat 4250mg/kg	3181



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	T	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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R: 02/09/24 M5817

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CERTIFIED WEIGHT REPORT:

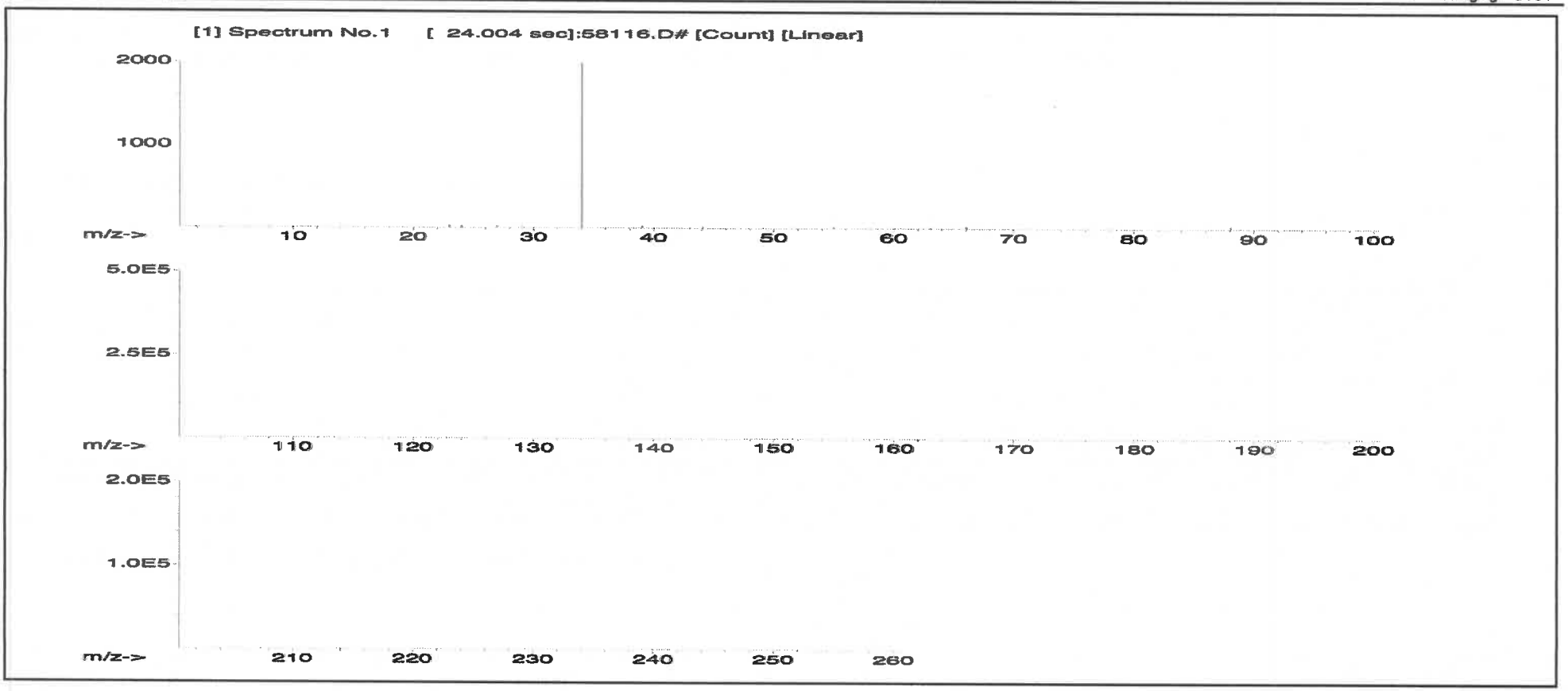
Part Number: 57116
Lot Number: 071123
Description: Sulfur (S)

Lot #
Solvent: 071123 ASTM Type 1 Water

Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB 5E-05 Balance Uncertainty
Weight shown below was diluted to (mL): 1999.48 0.058 Flask Uncertainty

Formulated By:	Lawrence Barry	071123
Reviewed By:	Pedro L. Rentas	071123

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium sulfate (S)	IN117	SLBR7225V	10000	99.9	0.10	24.3	82.4675	82.4682	**10000.1**	**20.0**	7783-20-2	NA	ori-rat 4250mg/kg	3181



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	T	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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R: 02/09/24 M.5818

CERTIFIED WEIGHT REPORT:

Part Number: 57014
Lot Number: 122023
Description: Silicon (Si)

Expiration Date: 122026
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 1999.48 ± 0.058 Flask Uncertainty

Solvent: 24002546 Nitric Acid

2% 40.0 (mL) Nitric Acid

5E-05 Balance Uncertainty

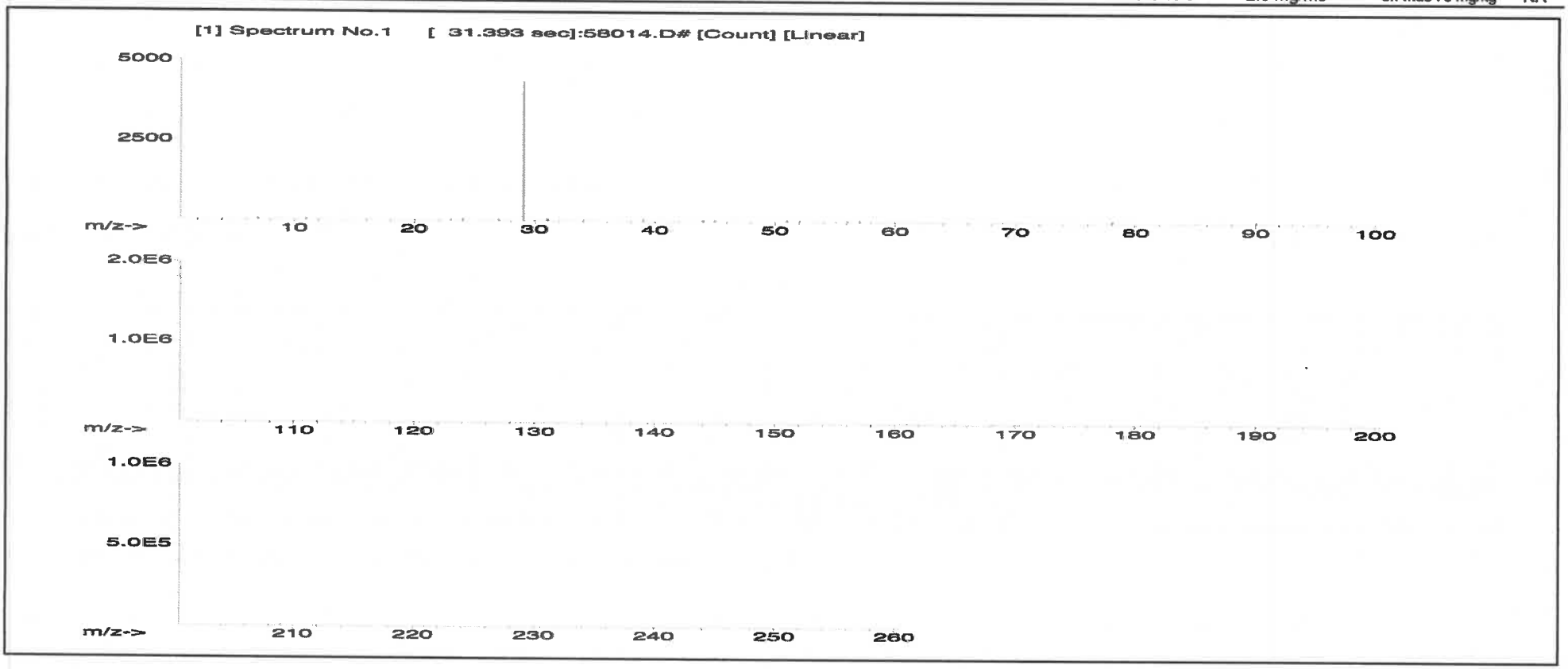
Aleah O'Brady

Formulated By: Aleah O'Brady 122023

Pedro Rentas

Reviewed By: Pedro L. Rentas 122023

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium hexafluorosilicate (Si)	IN009	SID082022A1	1000	99.999	0.10	14.4	13.8854	13.8855	**1000.0**	**2.0**	16919-19-0	2.5 mg/m3	orl-mus 70 mg/kg	NA



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	T	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

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Certified by:

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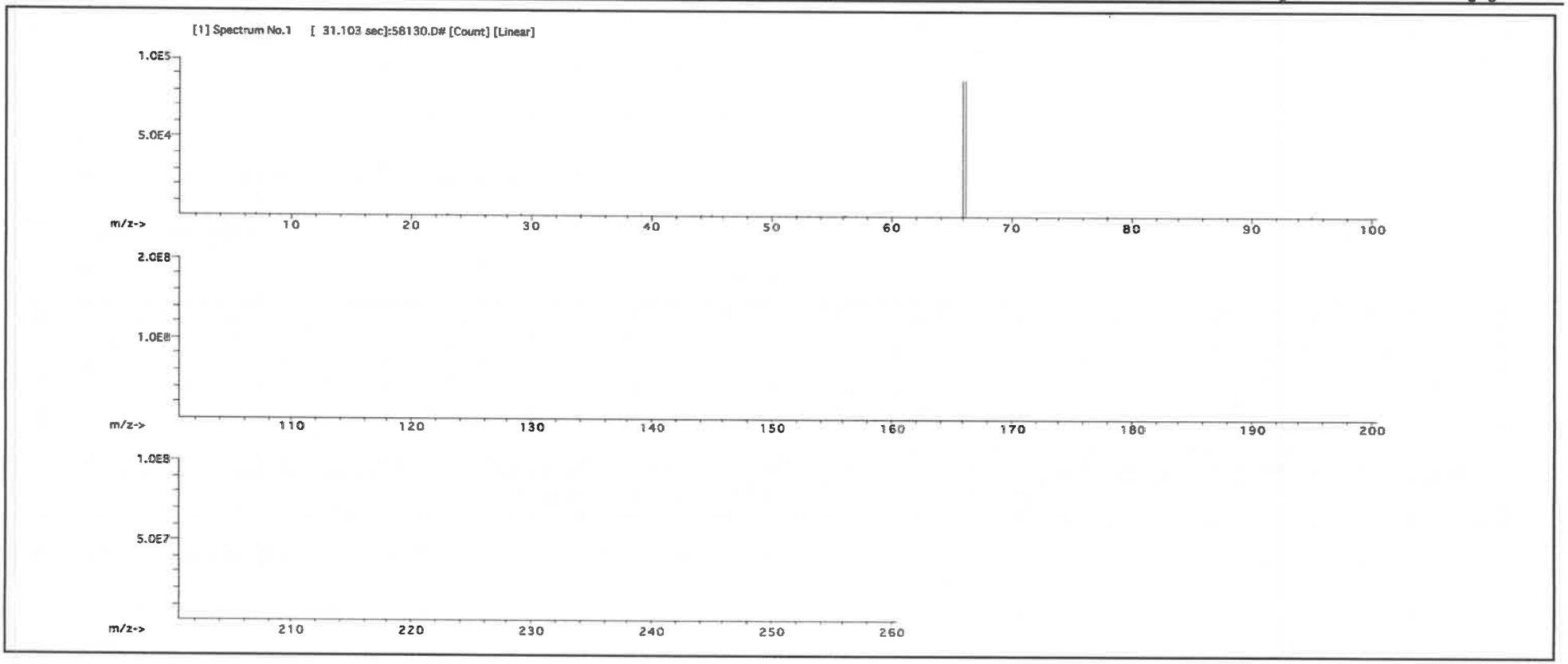
R: 02/09/24 M5819

CERTIFIED WEIGHT REPORT:

Part Number:	**58030**				
Lot Number:	**111623**				
Description:	**Zinc (Zn)**				
				Lot #	
			Solvent:	24002546	Nitric Acid
			2%	60.0 (mL)	Nitric Acid
Expiration Date:	111626				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	3000.4	0.06	Flask Uncertainty		

Formulated By:	Benson Chan	111623
Reviewed By:	Pedro L. Rentas	111623

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Zinc nitrate hexahydrate (Zn)	IN016	ZNE032021A1	1000	99.999	0.10	24.3	12.3475	12.3502	**1000.2**	**2.0**	10196-18-6	1 mg/m3	ori-rat 1190mg/kg	3168



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	T
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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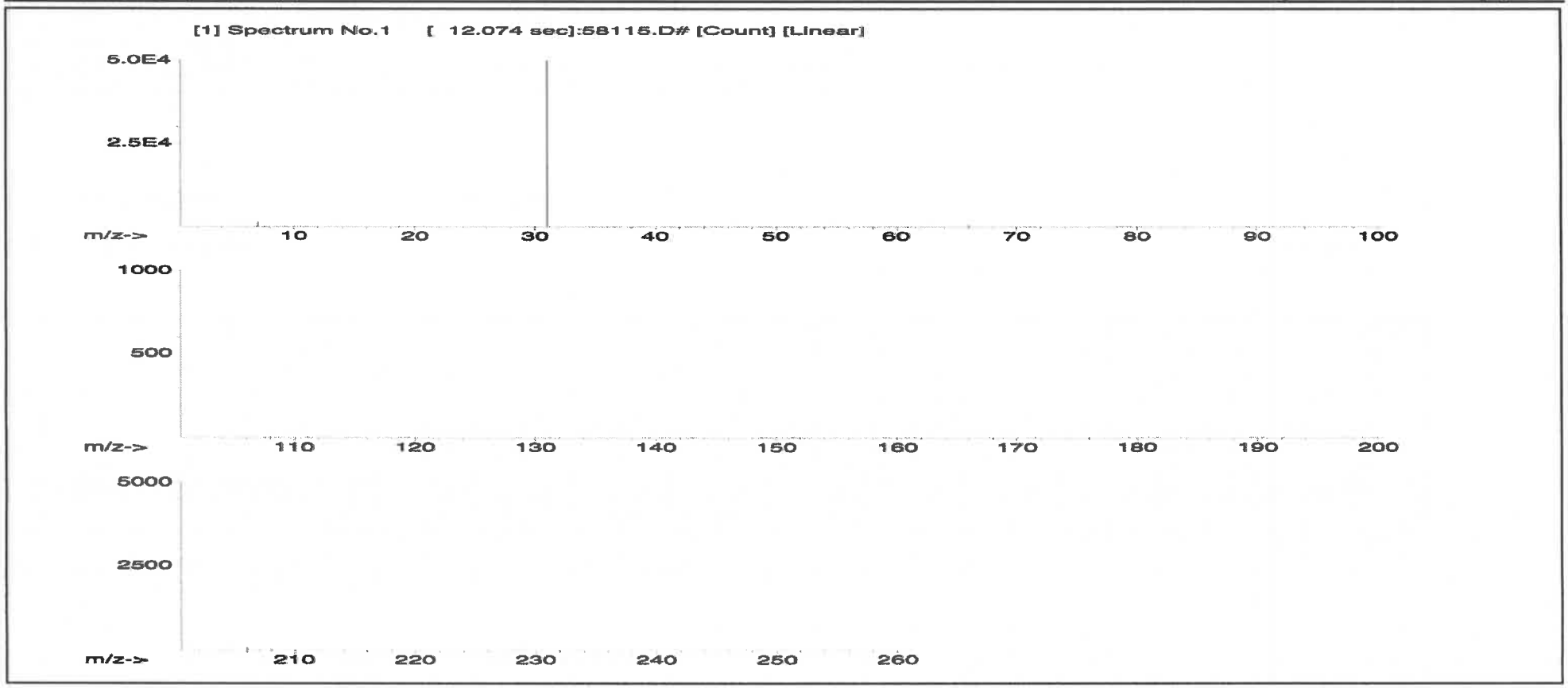
R: 02/09/24 M5820

CERTIFIED WEIGHT REPORT:

Part Number:	**57015**		**Lot #**		
Lot Number:	**091123**	**Solvent:**	24002546	Nitric Acid	
Description:	**Phosphorous (P)**				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	091126				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By:	Lawrence Barry	091123
Reviewed By:	Pedro L. Rentas	091123

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium dihydrogen phosphate (P)	IN008	PV082019A1	1000	99.999	0.10	27.5	7.2729	7.2730	**1000.0**	**2.0**	7722-76-1	5 mg/m3	orl-rat >2000mg/k	3186



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	T	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

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Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

Material No.: 9530-33
Batch No.: 22G2862015
Manufactured Date: 2022-06-15
Retest Date: 2027-06-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.9 %
ACS - Color (APHA)	≤ 10	5
ACS - Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.191
ACS - Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS - Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS - Free Chlorine (as Cl_2)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO_3)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH_4)	≤ 3 ppm	< 1 ppm
Trace Impurities - Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities - Aluminum (Al)	≤ 10.0 ppb	1.3 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities - Barium (Ba)	≤ 1.0 ppb	0.2 ppb
Trace Impurities - Beryllium (Be)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Bismuth (Bi)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Boron (B)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	163.0 ppb
Trace Impurities - Chromium (Cr)	≤ 1.0 ppb	0.7 ppb
Trace Impurities - Cobalt (Co)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities - Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities - Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities - Gold (Au)	≤ 4.0 ppb	0.6 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities - Iron (Fe)	≤ 15 ppb	6 ppb

>>> Continued on page 2 >>>

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
Trace Impurities - Lead (Pb)	≤ 1.0 ppb	< 0.5 ppb
Trace Impurities - Lithium (Li)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Magnesium (Mg)	≤ 10.0 ppb	2.9 ppb
Trace Impurities - Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities - Mercury (Hg)	≤ 0.5 ppb	0.1 ppb
Trace Impurities - Molybdenum (Mo)	≤ 10.0 ppb	< 3.0 ppb
Trace Impurities - Nickel (Ni)	≤ 4.0 ppb	< 0.3 ppb
Trace Impurities - Niobium (Nb)	≤ 1.0 ppb	0.8 ppb
Trace Impurities - Potassium (K)	≤ 9.0 ppb	< 2.0 ppb
Trace Impurities - Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities - Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities - Silver (Ag)	≤ 1.0 ppb	0.5 ppb
Trace Impurities - Sodium (Na)	≤ 100.0 ppb	2.3 ppb
Trace Impurities - Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Tantalum (Ta)	≤ 1.0 ppb	1.6 ppb
Trace Impurities - Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Tin (Sn)	≤ 5.0 ppb	4.0 ppb
Trace Impurities - Titanium (Ti)	≤ 1.0 ppb	1.5 ppb
Trace Impurities - Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Zinc (Zn)	≤ 5.0 ppb	0.8 ppb
Trace Impurities - Zirconium (Zr)	≤ 1.0 ppb	0.3 ppb

>>> Continued on page 3 >>>

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Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result

For Laboratory,Research,or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
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INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

R: 02/22/24 M5942

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGTI1
Lot Number:	T2-TI719972
Matrix:	2% (v/v) HNO3 tr. HF
Value / Analyte(s):	1 000 µg/mL ea: Titanium
Starting Material:	Ti Metal
Starting Material Lot#:	2094
Starting Material Purity:	99.9975%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1002 ± 5 µg/mL

Density: 1.012 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **1002 ± 4 µg/mL**
ICP Assay NIST SRM 3162a Lot Number: 130925

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000536	M	Eu	<	0.000268	O	Na	<	0.032670	M	Se		0.001204	O	Zn	<	0.003267
O	Al		0.000872	O	Fe		0.003225	O	Nb	<	0.043560	O	Si		0.004735	O	Zr	<	0.043560
M	As	<	0.008586	M	Ga	<	0.000268	M	Nd	<	0.000268	M	Sm	<	0.000268				
M	Au	<	0.004577	M	Gd	<	0.000268	O	Ni	<	0.010890	M	Sn		0.000096				
O	B	<	0.008929	M	Ge	<	0.002146	M	Os	<	0.000269	O	Sr		0.000096				
M	Ba	<	0.002683	M	Hf		0.002161	O	P	<	0.054450	M	Ta		0.010560				
M	Be	<	0.005366	M	Hg	<	0.003231	M	Pb	<	0.001073	M	Tb	<	0.000268				
M	Bi	<	0.001609	M	Ho	<	0.000268	M	Pd	<	0.000268	M	Te	<	0.001341				
O	Ca		0.000676	M	In	<	0.002683	M	Pr	<	0.000268	M	Th	<	0.053663				
M	Cd	<	0.000268	M	Ir	<	0.000269	M	Pt	<	0.000536	s	Ti	<					
M	Ce	<	0.000268	M	K		0.001172	M	Rb	<	0.000268	M	Tl	<	0.000268				
M	Co	<	0.004293	M	La	<	0.000268	M	Re	<	0.000268	M	Tm	<	0.000268				
M	Cr		0.000752	O	Li	<	0.027225	M	Rh	<	0.000268	M	U	<	0.000268				
M	Cs	<	0.000268	M	Lu	<	0.000268	M	Ru	<	0.000269	M	V	<	0.019855				
O	Cu	<	0.010890	O	Mg	<	0.005445	i	S	<		M	W		0.000473				
M	Dy	<	0.000268	O	Mn	<	0.003267	M	Sb	<	0.006976	M	Y	<	0.002146				
M	Er	<	0.000268	M	Mo		0.000774	O	Sc	<	0.004900	M	Yb	<	0.000536				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 47.87 +4 6 Ti(F)6-2

Chemical Compatibility - Soluble in concentrated HCl, HF, H3PO4 H2SO4 and HNO3. Avoid neutral to basic media. Unstable at ppm levels with metals that would pull F- away (i.e. Do not mix with Alkaline or Rare Earths or high levels of transition elements unless they are fluorinated). Stable with most inorganic anions with a tendency to hydrolyze forming the hydrated oxide in all dilute acids except HF.

Stability - 2-100 ppb levels stable (Alone or mixed with all other metals) as the Ti(F)6-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the Ti(F)6-2 chemically stable for years in 2-5% HNO3 / trace HF in an LDPE container.

Ti Containing Samples (Preparation and Solution) - Metal (Soluble in H2O / HF caution -powder reacts violently); Oxide - low temperature history anatase or rutile (Dissolved by heating in 1:1:1 H2O / HF / H2SO4); Oxide - high temperature history (~800EC) brookite (fuse in Pt0 with K2S2O7); Ores (fuse in Pt0 with KF + K2S2O7 - no KF if silica not present); Organic Matrices (Dry ash at 450EC in Pt0 and dissolve by heating with 1:1:1 H2O / HF / H2SO4 or fuse ash with pyrosulfate if oxide is as plastic pigment and likely in brookite crystalline form).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 48 amu	14 ppt	N/A	32S16O, 32S14N, 14N16O18O, 14N17N2, 36Ar12C, 48Ca, [96X=2 (where X = Zr, Mo, Ru)]
ICP-OES 323.452 nm	0.0054 / 0.00092 µg/mL	1	Ce, Ar, Ni
ICP-OES 334.941 nm	0.0038 / 0.000028 µg/mL	1	Nb, Ta, Cr, U
ICP-OES 336.121 nm	0.0053 / 0.000034 µg/mL	1	W, Mo, Co

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

June 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **June 17, 2027**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

MS947 MS948 MS949
MS950 MS951 MS952

Material No.: 9530-33
Batch No.: 22G2862015
Manufactured Date: 2022-06-15
Retest Date: 2027-06-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid-base titrn)	36.5 – 38.0 %	37.9 %
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.191
ACS – Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS – Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS – Free Chlorine (as Cl_2)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO_3)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH_4)	≤ 3 ppm	< 1 ppm
Trace Impurities – Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities – Aluminum (Al)	≤ 10.0 ppb	1.3 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities – Barium (Ba)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	163.0 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	0.7 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities – Gold (Au)	≤ 4.0 ppb	0.6 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 15 ppb	6 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
Trace Impurities - Lead (Pb)	≤ 1.0 ppb	< 0.5 ppb
Trace Impurities - Lithium (Li)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Magnesium (Mg)	≤ 10.0 ppb	2.9 ppb
Trace Impurities - Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities - Mercury (Hg)	≤ 0.5 ppb	0.1 ppb
Trace Impurities - Molybdenum (Mo)	≤ 10.0 ppb	< 3.0 ppb
Trace Impurities - Nickel (Ni)	≤ 4.0 ppb	< 0.3 ppb
Trace Impurities - Niobium (Nb)	≤ 1.0 ppb	0.8 ppb
Trace Impurities - Potassium (K)	≤ 9.0 ppb	< 2.0 ppb
Trace Impurities - Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities - Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities - Silver (Ag)	≤ 1.0 ppb	0.5 ppb
Trace Impurities - Sodium (Na)	≤ 100.0 ppb	2.3 ppb
Trace Impurities - Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Tantalum (Ta)	≤ 1.0 ppb	1.6 ppb
Trace Impurities - Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Tin (Sn)	≤ 5.0 ppb	4.0 ppb
Trace Impurities - Titanium (Ti)	≤ 1.0 ppb	1.5 ppb
Trace Impurities - Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Zinc (Zn)	≤ 5.0 ppb	0.8 ppb
Trace Impurities - Zirconium (Zr)	≤ 1.0 ppb	0.3 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5-38.0%
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Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result

For Laboratory,Research,or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

Hydrochloric Acid, 36.5–38.0%
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MS947 MS948 MS949
MS950 MS951 MS952

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ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.191
ACS – Bromide (Br)	≤ 0.005 %	< 0.005 %
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ACS – Free Chlorine (as Cl_2)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.5 ppm	< 0.3 ppm
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Ammonium (NH_4)	≤ 3 ppm	< 1 ppm
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Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	163.0 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	0.7 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities – Gold (Au)	≤ 4.0 ppb	0.6 ppb
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Trace Impurities – Iron (Fe)	≤ 15 ppb	6 ppb

>>> Continued on page 2 >>>

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Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
Trace Impurities - Lead (Pb)	≤ 1.0 ppb	< 0.5 ppb
Trace Impurities - Lithium (Li)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Magnesium (Mg)	≤ 10.0 ppb	2.9 ppb
Trace Impurities - Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities - Mercury (Hg)	≤ 0.5 ppb	0.1 ppb
Trace Impurities - Molybdenum (Mo)	≤ 10.0 ppb	< 3.0 ppb
Trace Impurities - Nickel (Ni)	≤ 4.0 ppb	< 0.3 ppb
Trace Impurities - Niobium (Nb)	≤ 1.0 ppb	0.8 ppb
Trace Impurities - Potassium (K)	≤ 9.0 ppb	< 2.0 ppb
Trace Impurities - Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities - Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities - Silver (Ag)	≤ 1.0 ppb	0.5 ppb
Trace Impurities - Sodium (Na)	≤ 100.0 ppb	2.3 ppb
Trace Impurities - Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Tantalum (Ta)	≤ 1.0 ppb	1.6 ppb
Trace Impurities - Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Tin (Sn)	≤ 5.0 ppb	4.0 ppb
Trace Impurities - Titanium (Ti)	≤ 1.0 ppb	1.5 ppb
Trace Impurities - Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Zinc (Zn)	≤ 5.0 ppb	0.8 ppb
Trace Impurities - Zirconium (Zr)	≤ 1.0 ppb	0.3 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result

For Laboratory,Research,or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5961 R: 6/11/24

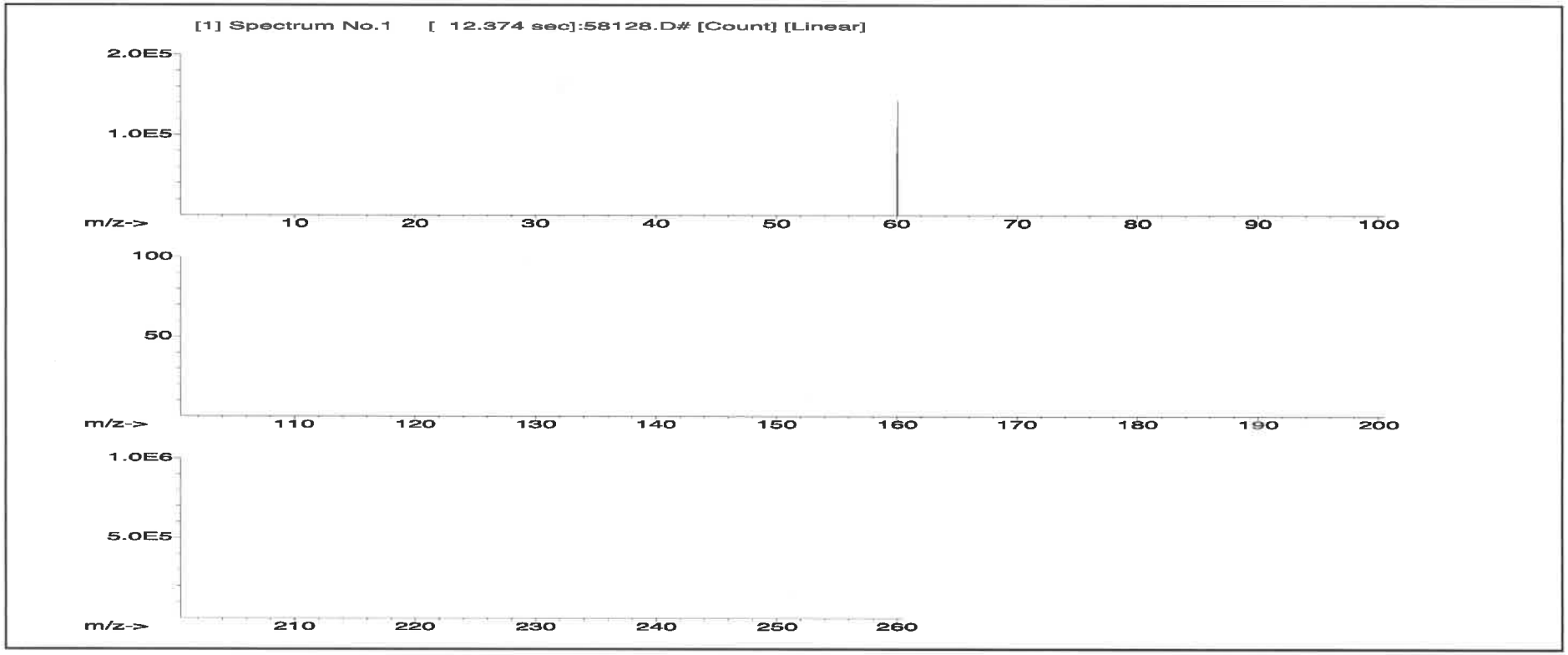
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number:	**57028**		**Lot #**		
Lot Number:	**041124**	**Solvent:**	24002546	Nitric Acid	
Description:	**Nickel (Ni)**				
		2%	5.0 (mL)	Nitric Acid	
Expiration Date:	041127				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	249.85	0.002	Flask Uncertainty		

Formulated By:	Brian Geddes	041124
Reviewed By:	Pedro L. Rentas	041124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Nickel(II) nitrate hexahydrate (Ni)	IN033	NIM052023A1	1000	99.999	0.10	20.2	1.2369	1.2369	**1000.0**	**2.0**	13478-00-7	1 mg/m3	orl-rat 1620 mg/kg	3136



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	T	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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M5962 R! 06/14/24.

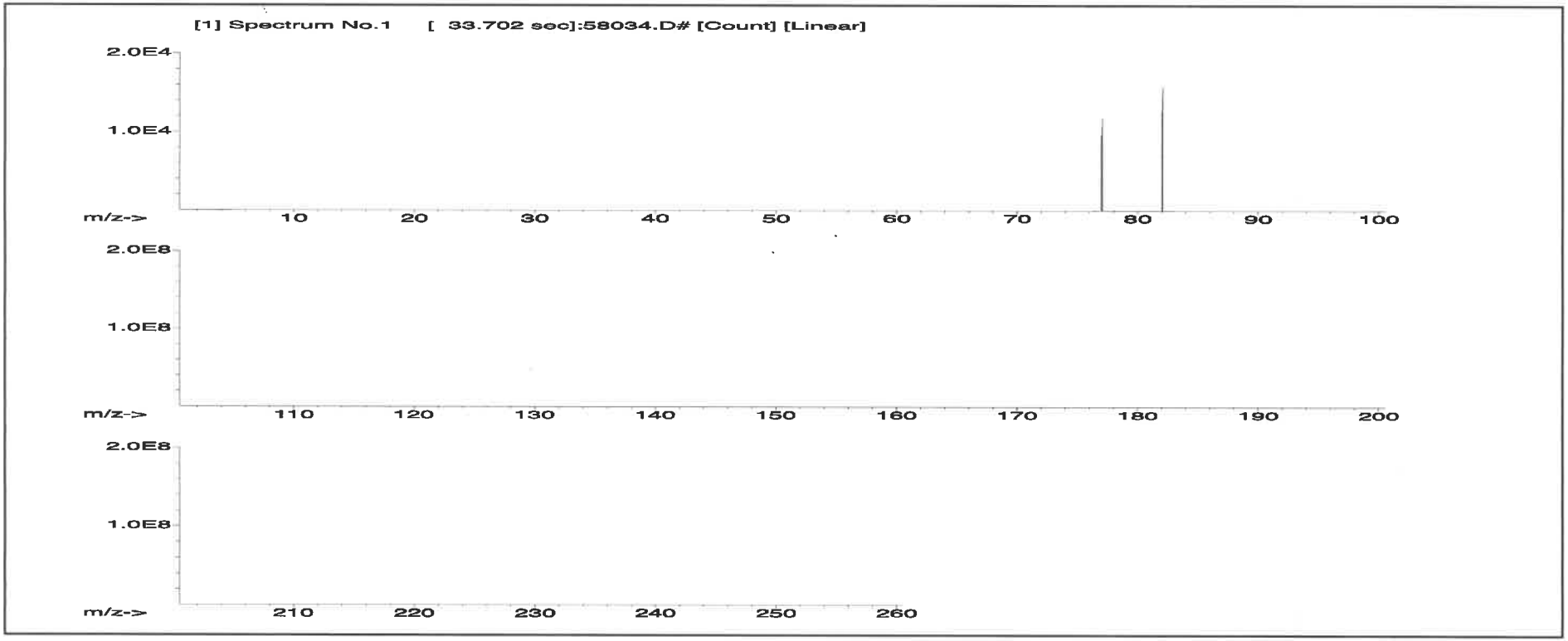
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CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57034**	24002546	Nitric Acid	
Lot Number:	**060624**			
Description:	**Selenium (Se)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	060627			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty	

Formulated By:	Benson Chan	060624
Reviewed By:	Pedro L. Rentas	060624

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Selenium (Se)	58134	071223	0.1000	200.0	0.084	1000	10002.5	**1000.0**	**2.2**	7782-49-2	0.2 mg/m3	orl-rat 6700 mg/kg	3149



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																		
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	T	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

MS963 MS964 MS965
MS966 MS967 MS968

Material No.: 9606-03
Batch No.: 24B1362001
Manufactured Date: 2024-01-25
Retest Date: 2029-01-23
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 - 70.0 %	69.6 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	< 1 ppm
Chloride (Cl)	≤ 0.08 ppm	< 0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities - Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	< 0.2 ppb
Trace Impurities - Chromium (Cr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 20 ppb	< 10 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities - Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Nickel (Ni)	≤ 20.0 ppb	< 5.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

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Material No.: 9606-03
Batch No.: 24B1362001

Test	Specification	Result
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 150.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater	≤ 60 par/ml	3 par/ml
Particle Count – 1.0 µm and greater	≤ 10 par/ml	1 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24B1362001

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

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M5970, M5971 R: 7/01/24

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CERTIFIED WEIGHT REPORT:

Part Number: 57003
Lot Number: 062124
Description: Lithium (Li)
Expiration Date: 062127
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Volume shown below was diluted to (mL): 250.11

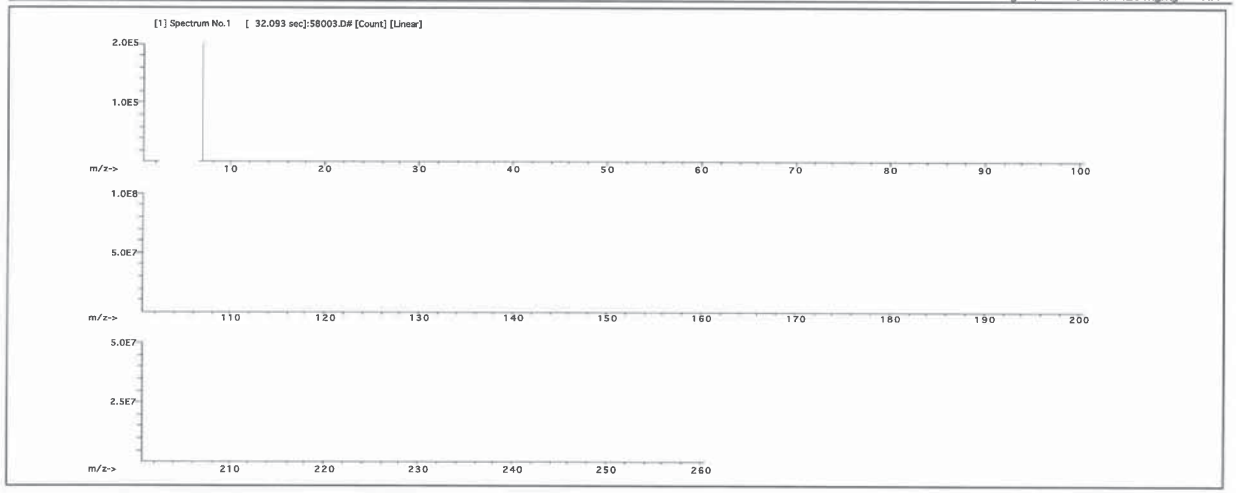
Lot #	Solvent:		
24002546	Nitric Acid		
2.0%	5.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.016 Flask Uncertainty

Giovanni Esposito
Formulated By: Giovanni Esposito 062124

Pedro Rentas
Reviewed By: Pedro L. Rentas 062124

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lithium nitrate (Li)	58103	070622	0.1000	25.0	0.004	1000	10000.4	**1000.0**	**2.0**	7790-69-4	5 mg/m3	orl-rat 1426 mg/kg	NA



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	T	Ni	<0.02	Pr	<0.02	Sc	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
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Certificate of Analysis

M5976, M5977
R: 02/22/24

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGMO1
Lot Number:	T2-MO720876
Matrix:	H2O tr. NH4OH
Value / Analyte(s):	1 000 µg/mL ea: Molybdenum
Starting Material:	Ammonium Molybdate
Starting Material Lot#:	2361
Starting Material Purity:	99.9893%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 998 ± 7 µg/mL

Density: 1.000 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **998 ± 4 µg/mL**
ICP Assay NIST SRM 3134 Lot Number: 130418

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance.

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000590	M	Eu	<	0.000300	M	Na		0.000879	M	Se	<	0.008000	M	Zn		0.000598
M	Al		0.000563	M	Fe	<	0.006500	M	Nb	<	0.029000	i	Si	<		M	Zr	<	0.001800
M	As	<	0.002100	M	Ga	<	0.000300	i	Nd	<		M	Sm	<	0.000300				
M	Au	<	0.000300	M	Gd	<	0.000300	M	Ni	<	0.008000	M	Sn	<	0.008900				
M	B	<	0.003300	M	Ge	<	0.000300	M	Os	<	0.000590	M	Sr		0.000175				
M	Ba		0.001689	M	Hf	<	0.001800	i	P	<		M	Ta	<	0.004200				
M	Be	<	0.000890	M	Hg	<	0.003300	M	Pb	<	0.000300	M	Tb	<	0.000300				
M	Bi	<	0.000890	M	Ho	<	0.000300	M	Pd	<	0.001800	M	Te	<	0.021000				
O	Ca		0.006334	M	In	<	0.032000	M	Pr	<	0.013000	M	Th	<	0.000300				
O	Cd	<	0.026000	M	Ir	<	0.000300	M	Pt	<	0.000300	O	Tl	<	0.032000				
M	Ce	<	0.008300	M	K		0.130213	M	Rb		0.004575	M	Tl		0.001266				
M	Co		0.000598	M	La	<	0.000300	M	Re	<	0.000300	M	Tm	<	0.000300				
M	Cr		0.000527	O	Li		0.000059	M	Rh	<	0.000300	M	U	<	0.005300				
M	Cs		0.000527	M	Lu	<	0.000300	M	Ru	<	0.079000	M	V	<	0.000890				
M	Cu		0.002252	M	Mg		0.000563	i	S	<		M	W		0.087982				
M	Dy	<	0.000300	M	Mn	<	0.005900	M	Sb		0.001513	M	Y	<	0.000300				
M	Er	<	0.000300	s	Mo	<		M	Sc	<	0.001200	M	Yb	<	0.000300				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 95.94 +6 6,7,8,9 [MoO4]-2(chemical form as received)

Chemical Compatibility -Mo is received in a NH4OH matrix giving the operator the option of using HCl or HF to stabilize acidic solutions. The [MoO4]-2 is soluble in concentrated HCl [MoOCl5]-2, dilute HF / HNO3 [MoOF5]-2 and basic media [MoO4]-2. Stable at ppm levels with some metals provided it is fluorinated. Do not mix with Alkaline or Rare Earths when HF is present. Stable with most inorganic anions provided it is in the [MoO4]-2 chemical form.

Stability - 2-100 ppb levels stable (alone or mixed with all other metals that are at comparable levels) as the [MoOF5]-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the [MoO4]-2 chemically stable for years in 1% NH4OH in a LDPE container.

Mo Containing Samples (Preparation and Solution) -Metal (Soluble in HF / HNO3 or hot dilute HCl); Oxide (soluble in HF or NH4OH) ; Organic Matrices (Dry ash at 450EC in Pt0 and dissolve oxide with HF or HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 95 amu	3 ppt	n/a	40Ar39K16O,79Br1 6O,190Os2+,190Pt 2+
ICP-OES 202.030 nm	0.008 / 0.0002 µg/mL	1	Os, Hf
ICP-OES 203.844 nm	0.012 / 0.002 µg/mL	1	
ICP-OES 204.598 nm	0.012 / 0.001 µg/mL	1	Ir, Ta

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- July 17, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Supervisor, Product Documentation



Certificate Approved By:

Michael Booth
Director, Technical



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



M5978, M5979

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Certificate of Analysis

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGTI1
Lot Number:	T2-TI719972
Matrix:	2% (v/v) HNO3 tr. HF
Value / Analyte(s):	1 000 µg/mL ea: Titanium
Starting Material:	Ti Metal
Starting Material Lot#:	2094
Starting Material Purity:	99.9975%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1002 ± 5 µg/mL

Density: 1.012 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **1002 ± 4 µg/mL**
ICP Assay NIST SRM 3162a Lot Number: 130925

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance

$w_i = (1/u_{char\ i}^2) / (\Sigma(1/u_{char\ i}^2))$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = (\Sigma(w_i)^2\ (u_{char\ i})^2)^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000536	M	Eu	<	0.000268	O	Na	<	0.032670	M	Se		0.001204	O	Zn	<	0.003267
O	Al		0.000872	O	Fe		0.003225	O	Nb	<	0.043560	O	Si		0.004735	O	Zr	<	0.043560
M	As	<	0.008586	M	Ga	<	0.000268	M	Nd	<	0.000268	M	Sm	<	0.000268				
M	Au	<	0.004577	M	Gd	<	0.000268	O	Ni	<	0.010890	M	Sn		0.000096				
O	B	<	0.008929	M	Ge	<	0.002146	M	Os	<	0.000269	O	Sr		0.000096				
M	Ba	<	0.002683	M	Hf		0.002161	O	P	<	0.054450	M	Ta		0.010560				
M	Be	<	0.005366	M	Hg	<	0.003231	M	Pb	<	0.001073	M	Tb	<	0.000268				
M	Bi	<	0.001609	M	Ho	<	0.000268	M	Pd	<	0.000268	M	Te	<	0.001341				
O	Ca		0.000676	M	In	<	0.002683	M	Pr	<	0.000268	M	Th	<	0.053663				
M	Cd	<	0.000268	M	Ir	<	0.000269	M	Pt	<	0.000536	s	Ti	<					
M	Ce	<	0.000268	M	K		0.001172	M	Rb	<	0.000268	M	Tl	<	0.000268				
M	Co	<	0.004293	M	La	<	0.000268	M	Re	<	0.000268	M	Tm	<	0.000268				
M	Cr		0.000752	O	Li	<	0.027225	M	Rh	<	0.000268	M	U	<	0.000268				
M	Cs	<	0.000268	M	Lu	<	0.000268	M	Ru	<	0.000269	M	V	<	0.019855				
O	Cu	<	0.010890	O	Mg	<	0.005445	i	S	<		M	W		0.000473				
M	Dy	<	0.000268	O	Mn	<	0.003267	M	Sb	<	0.006976	M	Y	<	0.002146				
M	Er	<	0.000268	M	Mo		0.000774	O	Sc	<	0.004900	M	Yb	<	0.000536				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form In Solution - 47.87 +4 6 Ti(F)6-2

Chemical Compatibility - Soluble in concentrated HCl, HF, H3PO4 H2SO4 and HNO3. Avoid neutral to basic media. Unstable at ppm levels with metals that would pull F- away (i.e. Do not mix with Alkaline or Rare Earths or high levels of transition elements unless they are fluorinated). Stable with most inorganic anions with a tendency to hydrolyze forming the hydrated oxide in all dilute acids except HF.

Stability - 2-100 ppb levels stable (Alone or mixed with all other metals) as the Ti(F)6-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the Ti(F)6-2 for months in 1% 2-5% HNO3 / trace HF in an LDPE container.

Ti Containing Samples (Preparation and Solution) - Metal (Soluble in H2O / HF caution -powder reacts violently); Oxide - low temperature history anatase or rutile (Dissolved by heating in 1:1:1 H2O / HF / H2SO4); Oxide - high temperature history (~800EC) brookite (fuse in Pt0 with K2S2O7); Ores (fuse in Pt0 with KF + K2S2O7 - no KF if silica not present); Organic Matrices (Dry ash at 450EC in Pt0 and dissolve by heating with 1:1:1 H2O / HF / H2SO4 or fuse ash with pyrosulfate if oxide is as plastic pigment and likely in brookite crystalline form).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Interferences (underlined indicates severe)
ICP-MS 48 amu	14 ppt	N/A	32S16O, 32S14N, 14N16O18O, 14N17N2, 36Ar12C, 48Ca, [96X=Zr, Mo, Ru)]
ICP-OES 323.452 nm	0.0054 / 0.00092 µg/mL	1	Ce, Ar, Ni
ICP-OES 334.941 nm	0.0038 / 0.000028 µg/mL	1	Nb, Ta, Cr, U
ICP-OES 336.121 nm	0.0053 / 0.000034 µg/mL	1	W, Mo, Co

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

June 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- June 17, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

45982 R: 6/11/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

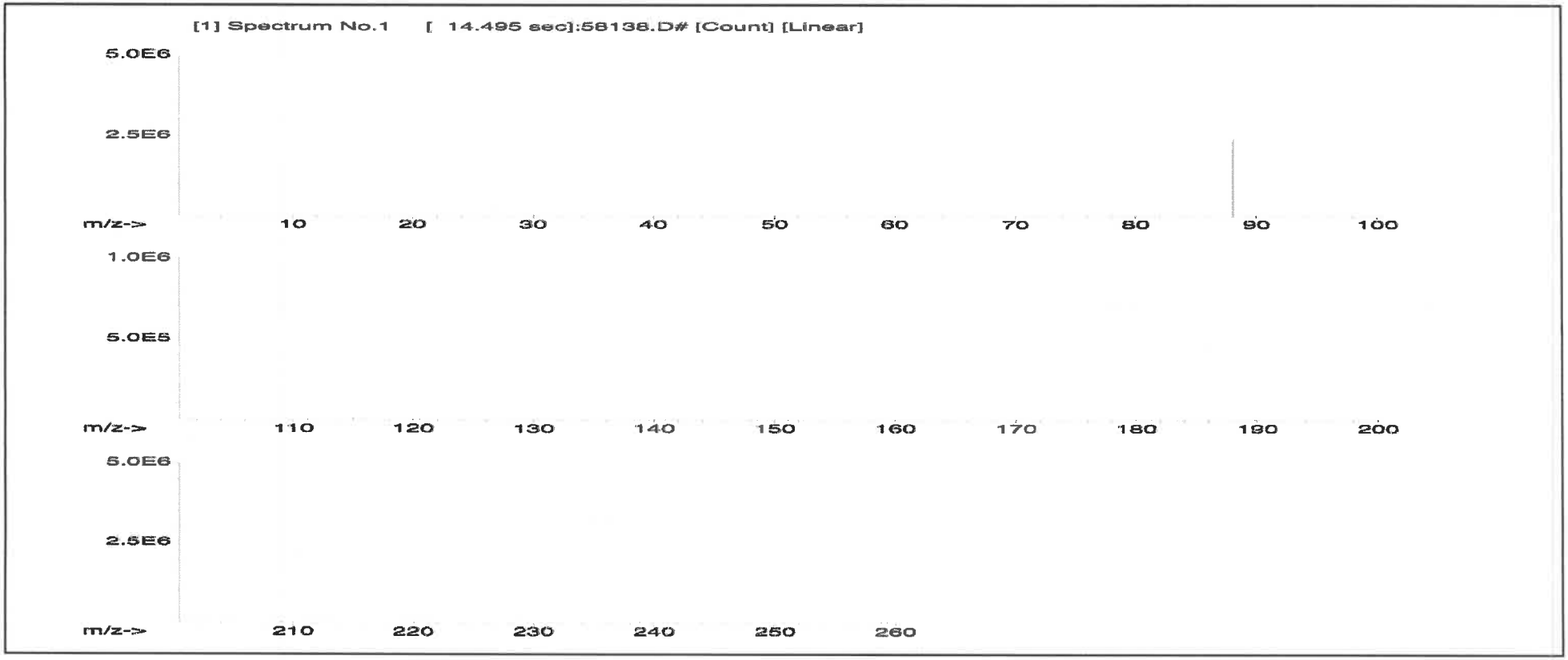
Part Number: 57038
Lot Number: 031524
Description: Strontium (Sr)

Expiration Date: 031527
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.07

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	
5E-05	Balance Uncertainty		
0.100	Flask Uncertainty		

Formulated By:	Benson Chan	031524
Reviewed By:	Pedro L. Rentas	031524

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Strontium nitrate (Sr)	IN017	SRZ022018A1	1000	99.997	0.10	41.2	4.85470	4.85502	**1000.1**	**2.0**	10042-76-9	NA	orl-rat >2000mg/kg	3153a



5573-METALS

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	T	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGY10
Lot Number:	V2-Y740548
Matrix:	2% (v/v) HNO3
Value / Analyte(s):	10 000 µg/mL ea: Yttrium
Starting Material:	Yttrium Oxide
Starting Material Lot#:	2661 and 06230520YL
Starting Material Purity:	99.9984%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 10000 ± 30 µg/mL

Density: 1.032 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1	**10011 ± 25 µg/mL** EDTA NIST SRM 928 Lot Number: 928
Assay Method #2	**9997 ± 50 µg/mL** ICP Assay NIST SRM 3167a Lot Number: 190730
Assay Method #3	**9984 ± 31 µg/mL** Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.004600	M	Eu		0.009037	M	Na		0.086360	M	Se	<	0.005200	M	Zn		0.030125
M	Al		0.014862	O	Fe		0.002410	M	Nb	<	0.000570	O	Si		0.024100	O	Zr	<	0.002600
M	As	<	0.003500	M	Ga	<	0.000570	M	Nd		0.000923	M	Sm		0.000461				
M	Au	<	0.001700	M	Gd	<	0.003500	M	Ni	<	0.005700	M	Sn	<	0.002300				
O	B		0.002209	M	Ge	<	0.005200	M	Os	<	0.001200	M	Sr	<	0.004600				
O	Ba	<	0.002500	M	Hf	<	0.000570	n	P	<		M	Ta	<	0.000570				
O	Be	<	0.001400	M	Hg	<	0.000570	M	Pb		0.005020	M	Tb		0.001044				
M	Bi	<	0.003500	M	Ho		0.009037	M	Pd	<	0.005100	M	Te	<	0.002300				
O	Ca		0.009841	M	In	<	0.002300	M	Pr	<	0.002300	M	Th	<	0.000570				
M	Cd	<	0.000570	M	Ir	<	0.000570	M	Pt	<	0.000570	M	Ti	<	0.003500				
M	Ce	<	0.002300	O	K		0.018677	M	Rb	<	0.000570	M	Tl	<	0.000570				
M	Co	<	0.000570	M	La		0.000461	M	Re	<	0.000570	M	Tm	<	0.003500				
M	Cr	<	0.004000	O	Li	<	0.009300	M	Rh	<	0.008000	M	U	<	0.000570				
M	Cs	<	0.000570	M	Lu		0.000582	M	Ru	<	0.000570	M	V		0.001265				
M	Cu		0.002610	O	Mg		0.001486	n	S	<		M	W	<	0.002300				
M	Dy		0.003815	M	Mn		0.000582	M	Sb		0.005422	s	Y	<					
M	Er		0.003615	M	Mo	<	0.005700	M	Sc	<	0.001200	M	Yb		0.001827				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 88.91 +3 6 Y(OH)(H2O)x+2

Chemical Compatibility -Soluble in HCl, H2SO4 and HNO3. Avoid HF, H3PO4 and neutral to basic media. Stable with most metals and inorganic anions forming an insoluble carbonate, oxide, oxalate, and fluoride. Avoid mixing with elements / solutions containing moderate amounts of fluoride.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 2-5% HNO3 / LDPE container.

Y Containing Samples (Preparation and Solution) - Metal (Soluble in acids); Oxide (Dissolve by heating in H2O/ HNO3); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Dry ash and dissolve in 1:1 H2O / HCl or HNO3).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 89 amu	0.8 ppt	N/A	73Ge16O, 178Hf+2
ICP-OES 360.073 nm	0.005 / 0.000036 µg/mL	1	Ce, Th
ICP-OES 371.030 nm	0.004 / 0.00007 µg/mL	1	Ce
ICP-OES 377.433 nm	0.005 / 0.0009 µg/mL	1	Ta, Th

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

February 20, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- February 20, 2029

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Custom Processing Supervisor



Certificate Approved By:

Muzzammil Khan
Stock Laboratory Supervisor



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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Certified Reference Material CRM

R: 01/03/24 M6033

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AR-1539 Certificate Number
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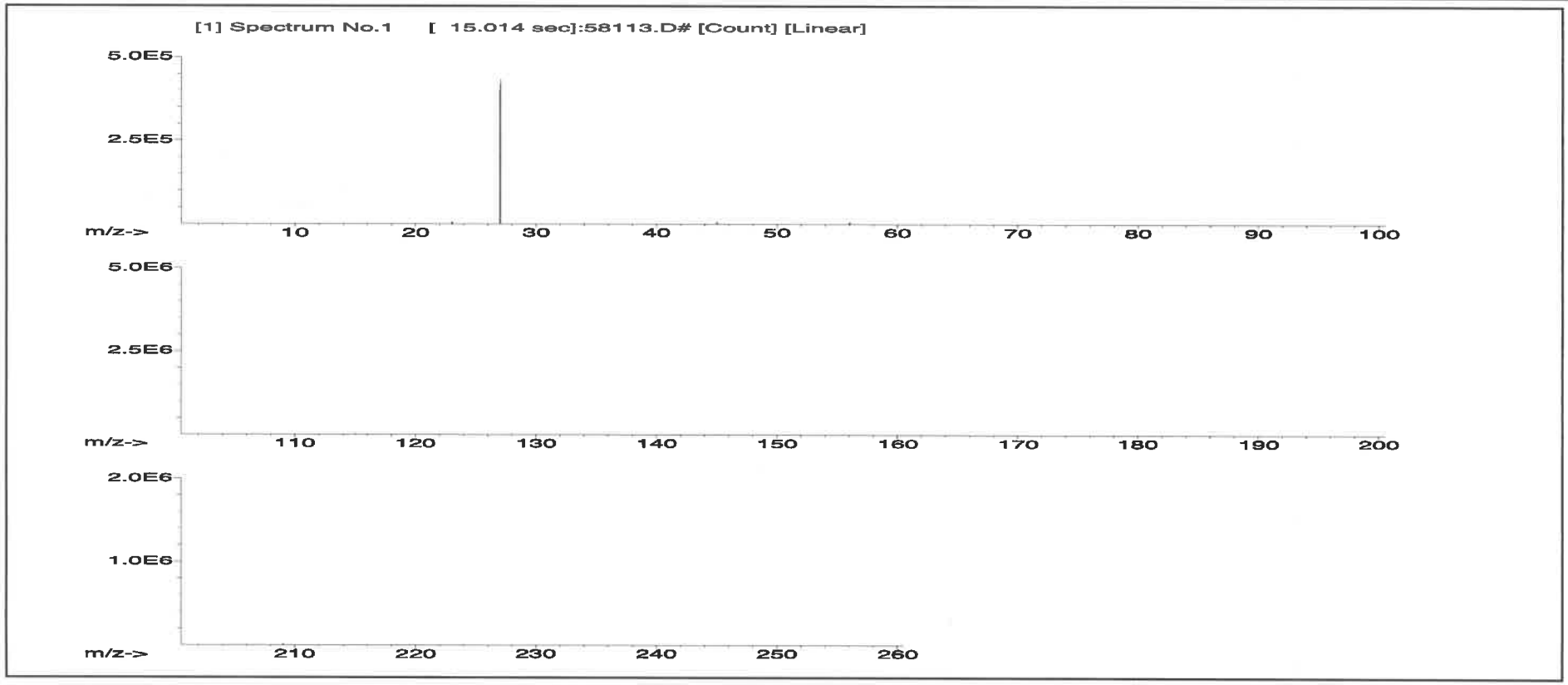
CERTIFIED WEIGHT REPORT:

				Lot #	
Part Number:	**58113**		**Solvent:**	20510011	Nitric Acid
Lot Number:	**011623**				
Description:	**Aluminum (Al)**		2%	40.0 (mL)	Nitric Acid
Expiration Date:	011626				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Giovanni Esposito

Formulated By:	Giovanni Esposito	011623
Reviewed By:	Pedro L. Rentas	011623

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Aluminum nitrate nonahydrate (Al)	IN022	ALM112021A1	10000	99.999	0.10	7.30	273.9779	274.0078	**10001.1**	**20.0**	7784-27-2	2 mg/m3	orl-rat 3671 mg/kg	3101a



Revised 1178 of 1201 P3573-METALS

Nitric Acid 69%
CMOS

Recv date: 1.1.—08/01/2023

M6034, M6037
M6035, M6038,
M6036,

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Material No.: 9606-03
Batch No.: 24D1062002
Manufactured Date: 2024-03-26
Retest Date: 2029-03-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 – 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	1 ppm
Chloride (Cl)	≤ 0.08 ppm	< 0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities – Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	2.3 ppb
Trace Impurities – Chromium (Cr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 20 ppb	< 10 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 100 ppb	100 ppb
Trace Impurities – Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Nickel (Ni)	≤ 20.0 ppb	< 5.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

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Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 50 ppb	16 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 150.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater	≤ 60 par/ml	10 par/ml
Particle Count – 1.0 µm and greater	≤ 10 par/ml	3 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

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Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Received — 08/01/2024
paper
M6039
M6040

Material No.: 9530-33
Batch No.: 24D1562005
Manufactured Date: 2024-03-18
Retest Date: 2029-03-17
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6 %
ACS - Color (APHA)	≤ 10	5
ACS - Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.192
ACS - Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS - Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS - Free Chlorine (as Cl_2)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO_4)	≤ 0.05 ppm	0.03 ppm
Sulfate (SO_4)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO_3)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH_4)	≤ 3 ppm	< 1 ppm
Trace Impurities - Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities - Aluminum (Al)	≤ 10.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities - Barium (Ba)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 20.0 ppb	2.2 ppb
Trace Impurities - Cadmium (Cd)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	31.0 ppb
Trace Impurities - Chromium (Cr)	≤ 1.0 ppb	0.5 ppb
Trace Impurities - Cobalt (Co)	≤ 1.0 ppb	0.2 ppb
Trace Impurities - Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities - Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities - Gold (Au)	≤ 4.0 ppb	< 0.2 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities - Iron (Fe)	≤ 15 ppb	3 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 24D1562005

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.2 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	0.2 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 1.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.0 ppb
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	< 0.9 ppb
Trace Impurities – Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	< 0.4 ppb
Trace Impurities – Titanium (Ti)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities – Zirconium (Zr)	≤ 1.0 ppb	< 0.1 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 24D1562005

Test	Specification	Result

For Laboratory,Research,or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

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R: 01/03/24 M5806, M5807

CERTIFIED WEIGHT REPORT:

Part Number: 58111
Lot Number: 122223
Description: Sodium (Na)

Expiration Date: 122226
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB

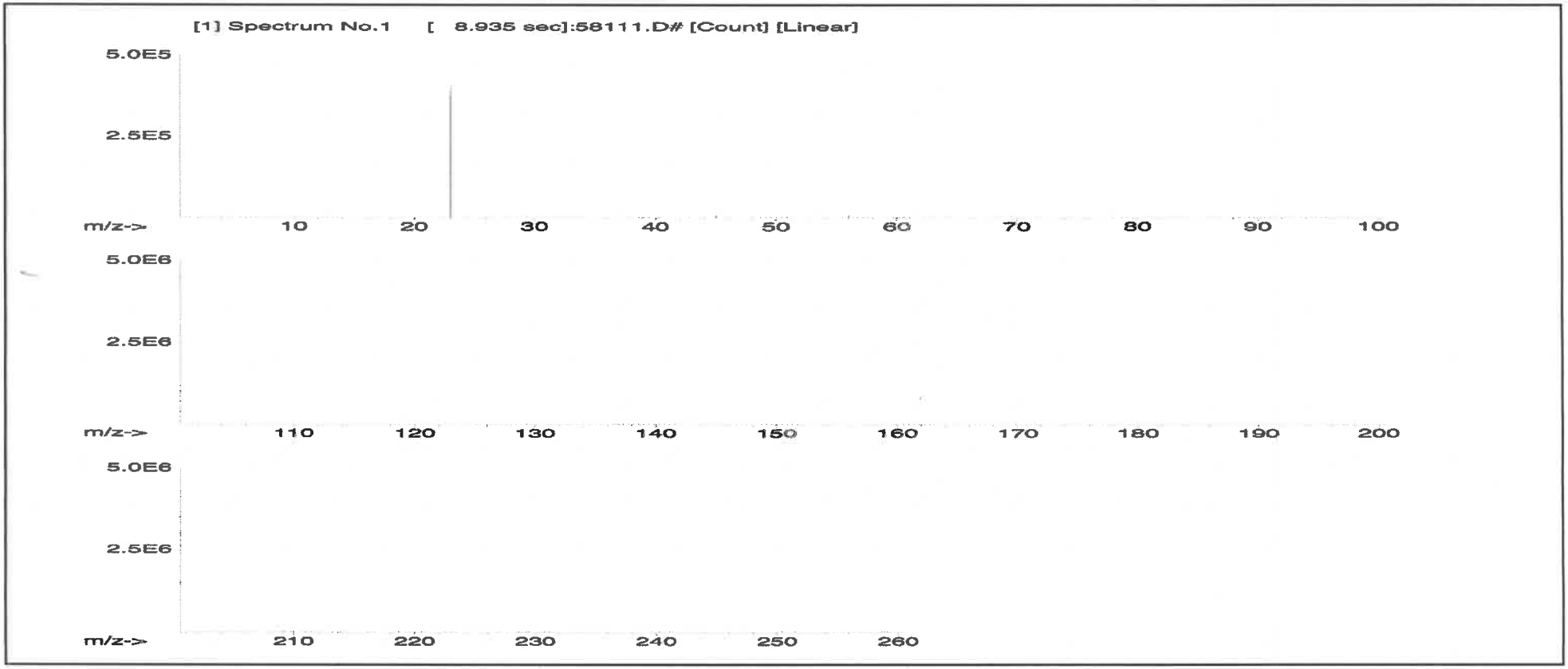
Weight shown below was diluted to (mL): 3000.4 | 0.06 Flask Uncertainty

	Lot #	
Solvent:	24002546	Nitric Acid
2%	60.0 (mL)	Nitric Acid
	5E-05	Balance Uncertainty

Aleah O'Brady

Formulated By:	Aleah O'Brady	122223
Reviewed By:	Pedro L. Rentas	122223

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Sodium nitrate (Na)	IN036	NAV012015I1	10000	99.999	0.10	26.9	111.5406	111.5479	**10000.7**	**20.0**	7631-99-4	5 mg/m3	orl-rat 3430 mg/kg	3152a



P3573-METALS Revised

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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	T	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

R: 01/03/24 M5802, M5803

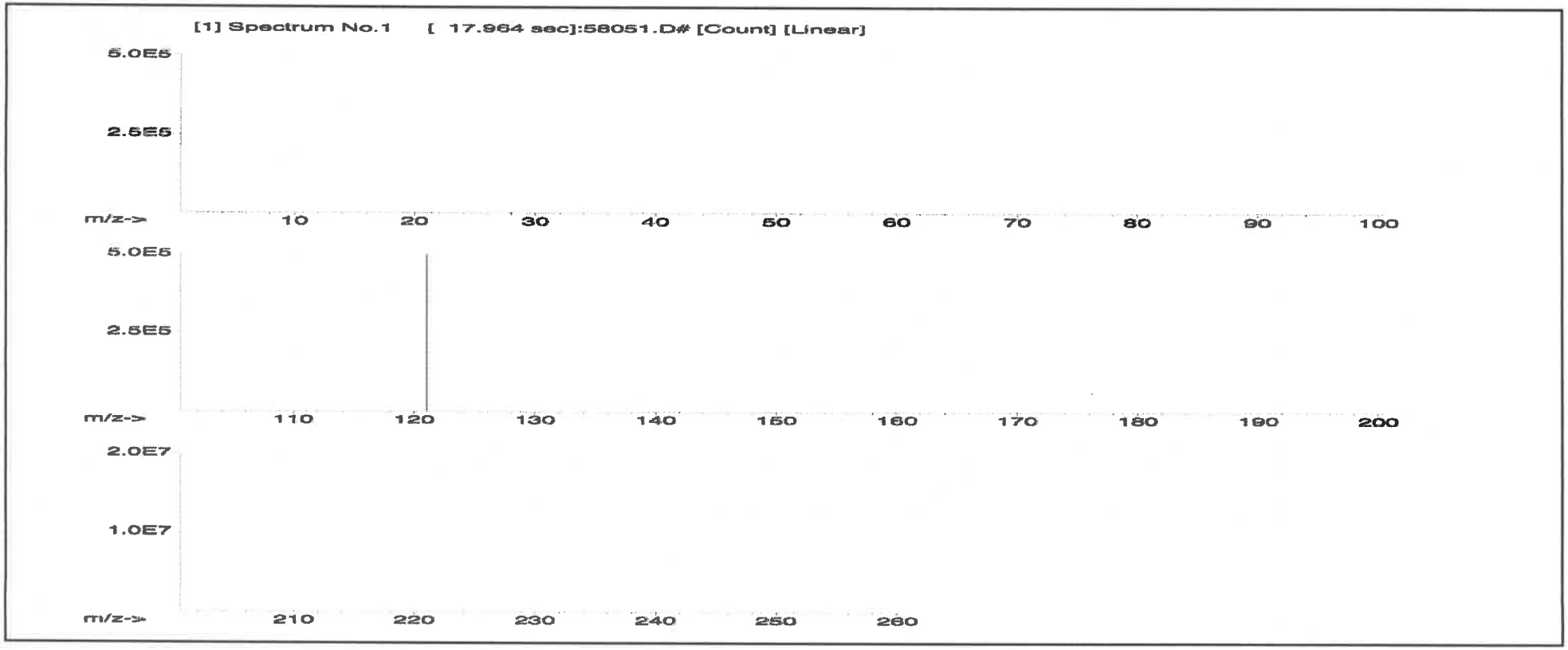
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CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57051**	24002546	Nitric Acid		
Lot Number:	**120523**				
Description:	**Antimony (Sb)**				
		2.0%	60.0 (mL)	Nitric Acid	
Expiration Date:	120526				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	3000.41	0.058	Flask Uncertainty		

Formulated By:	Lawrence Barry	120523
Reviewed By:	Pedro L. Rentas	120523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Antimony (Sb)	58151	100923	0.1000	300.0	0.084	1000	10001.4	**1000.0**	2.1	7440-36-0	0.5 mg/m3	orl-rat 7000 mg/kg	3102a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	T	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

M6030

R: 8/5/24

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CERTIFIED WEIGHT REPORT:

Part Number: 57047
Lot Number: 122823
Description: Silver (Ag)

Expiration Date: 122826
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

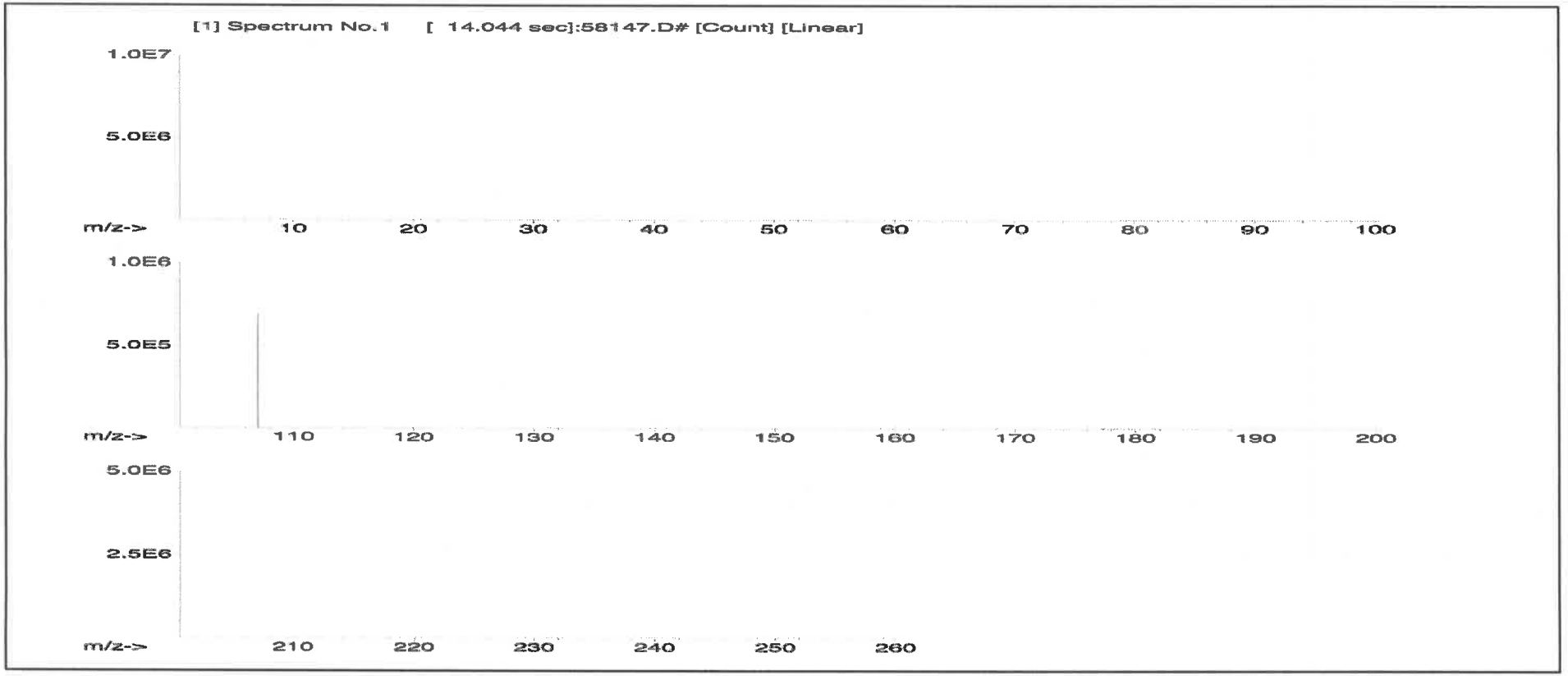
Weight shown below was diluted to (mL): 4000.30 0.058 Flask Uncertainty

	Lot #	
Solvent:	24002546	Nitric Acid
2%	80.0 (mL)	Nitric Acid

5E-05 Balance Uncertainty

Formulated By:	Benson Chan	122823
Reviewed By:	Pedro L. Rentas	122823

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Silver nitrate (Ag)	IN035	J0612AGA1	1000.0	99.9999	0.10	63.7	6.27992	6.27998	**1000.0**	**2.0**	7761-88-8	10 ug/m3	NA	3151



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	T	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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R: 03/16/23 M5473, M5474, M5475, M5476

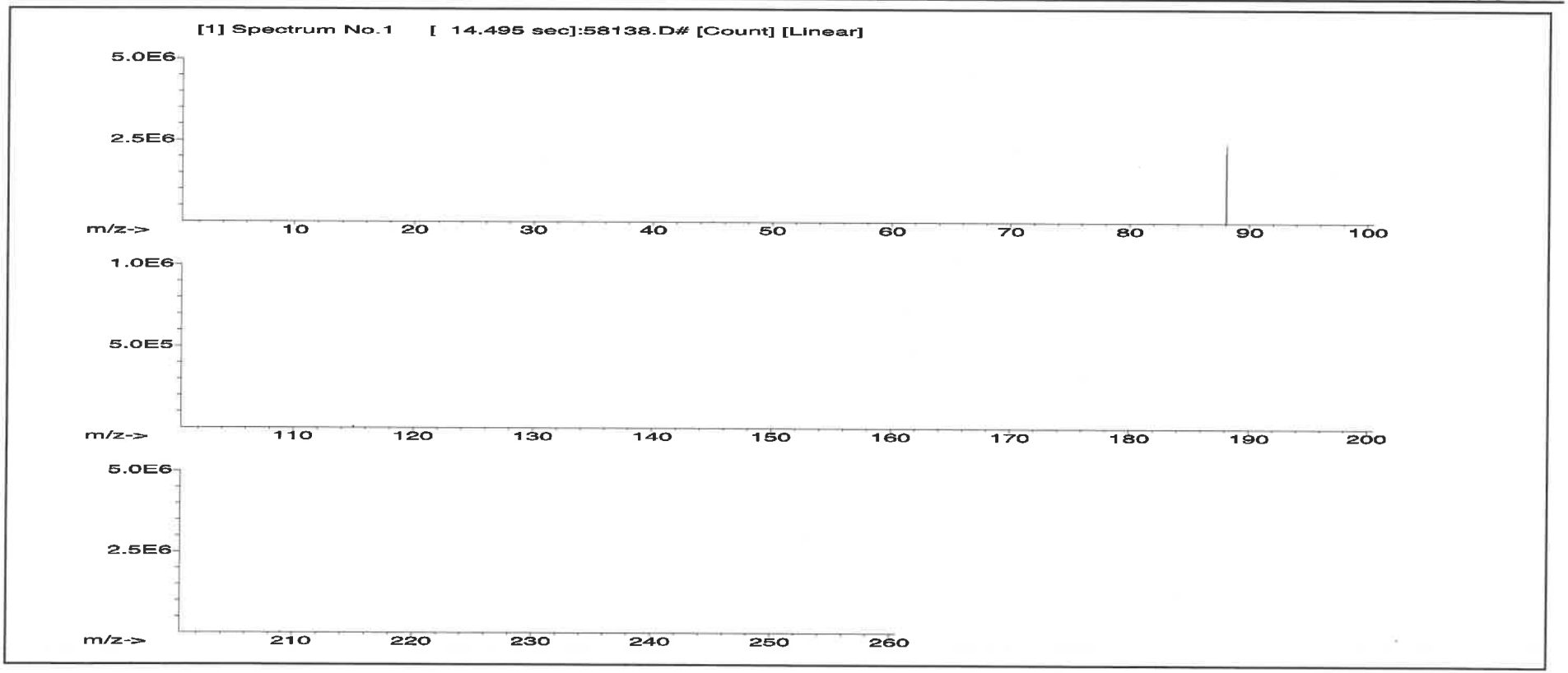
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AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT:

Part Number:	**56138**			**Lot #**	
Lot Number:	**082922**	**Solvent:**	20510011	Nitric Acid	
Description:	**Strontium (Sr)**	2%	20.0 (mL)	Nitric Acid	
Expiration Date:	082925				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	1000.12	0.058	Flask Uncertainty		

Formulated By:	Lawrence Barry	082922
Reviewed By:	Pedro L. Rentas	082922

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Strontium nitrate (Sr)	IN017	SRZ022018A1	10000	99.997	0.10	41.2	24.2756	24.2758	**10000.1**	**20.0**	10042-76-9	NA	orl-rat >2000mg/kg	3153a



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P3573-METALS

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Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	T	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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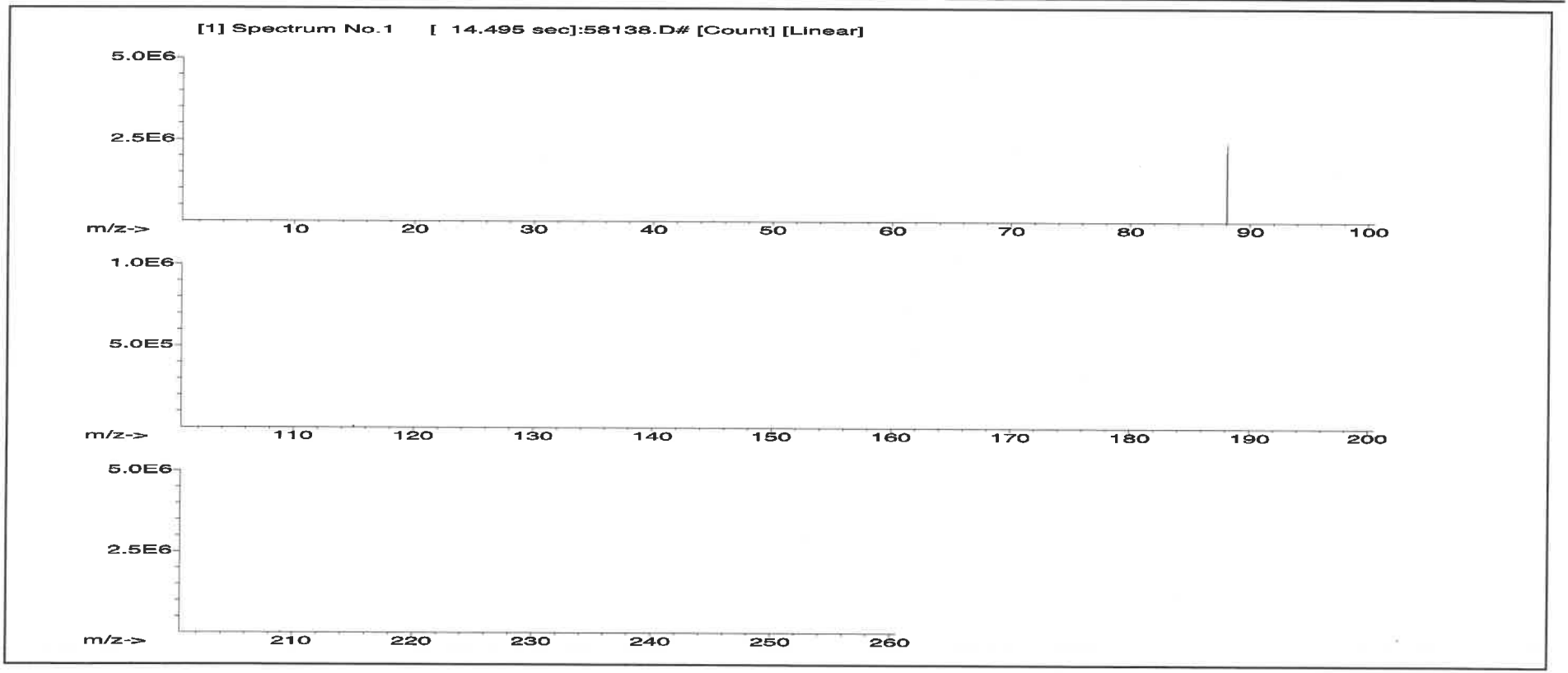
R: 03/16/23 M5473, M5474, M5475, M5476

CERTIFIED WEIGHT REPORT:

Part Number:	**56138**		**Lot #**	
Lot Number:	**082922**	**Solvent:**	20510011	Nitric Acid
Description:	**Strontium (Sr)**	2%	20.0 (mL)	Nitric Acid
Expiration Date:	082925			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**10000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	1000.12	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	082922
Reviewed By:	Pedro L. Rentas	082922

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Strontium nitrate (Sr)	IN017	SRZ022018A1	10000	99.997	0.10	41.2	24.2756	24.2758	**10000.1**	**20.0**	10042-76-9	NA	orl-rat >2000mg/kg	3153a



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1193 of 1201
P3573-METALS

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Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	T	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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CERTIFIED WEIGHT REPORT:

Part Number: 57081
Lot Number: 062724
Description: Thallium (Tl)

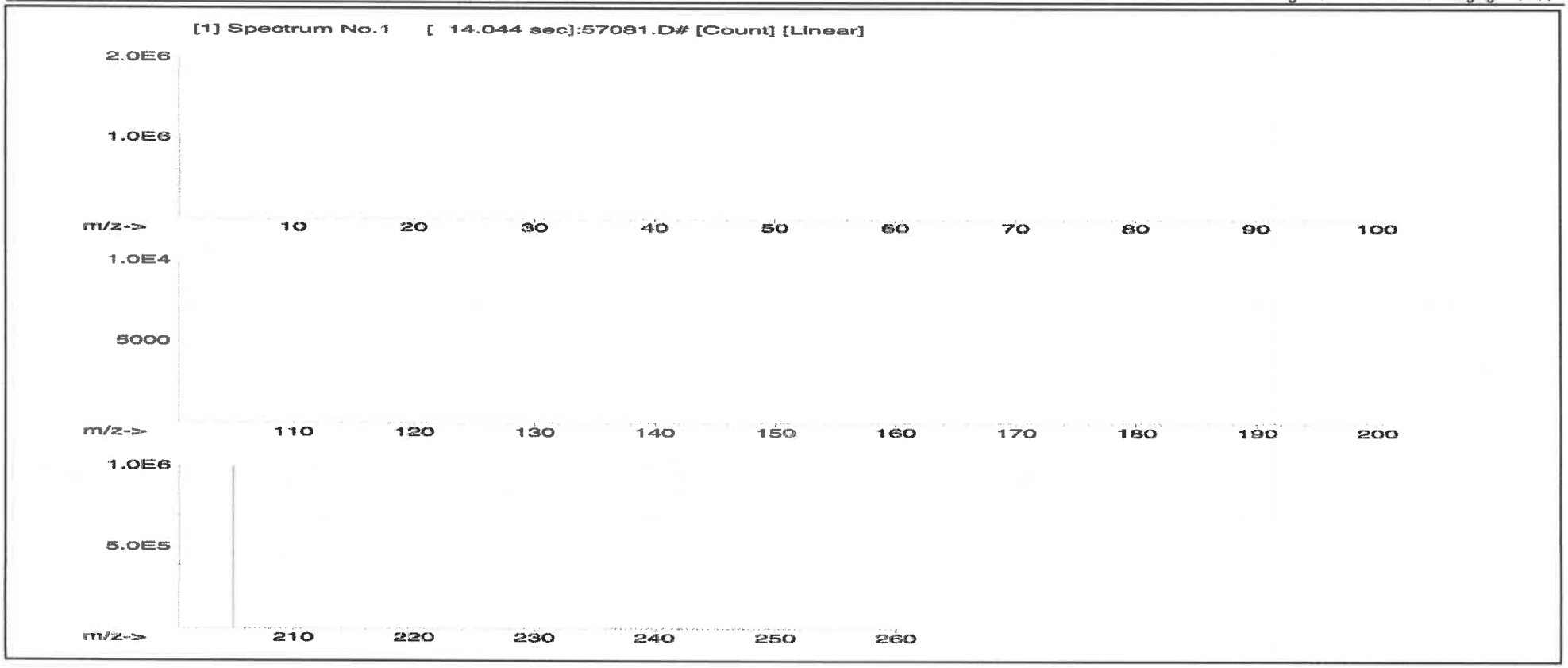
Expiration Date: 062727
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.1

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
	0.10	Flask Uncertainty	

Aleah O'Brady

Formulated By:	Aleah O'Brady	062724
Reviewed By:	Pedro L. Rentas	062724

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Thallium nitrate (Tl)	IN037	BCCF4399	1000	99.999	0.10	77.0	2.5975	2.5977	**1000.1**	**2.0**	10102-45-1	0.1 mg/m3	orl-mus 15mg/kg	3158



P3573-METALS

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Revised
1196 of 1201

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	T	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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CHAIN OF CUSTODY RECORD

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CHEMTECH PROJECT NO. P3573
QUOTE NO.
COC Number 2041339

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite #100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Yntema
PHONE: (281) 414-1719 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: D3779122 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: (201)936-0586 FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard TAT DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☒ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1 Ag 2 PAH 3 4 5 6 7 8 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	PRESERVATIVES 2	COMMENTS
								E	E	← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	S-858-K1-SO-2-2.5-080924	SO	X		8-9-24	0850	1	1		Hold pending analysis of smaller sample
2.	S-859-K1-SO-2-2.5-080924	SO	X		8-9-24	0930	1	1		
3.	S-859-K1-SO-2-2.5-080924-FD	SO	X		8-9-24	0935	1	1		
4.	S-860-K1-SO-2-2.5-080924	SO	X		8-9-24	1000	1	1		
5.	S-856-J-SO-1-1.5-080924	SO	X		8-9-24	1100	1		1	
6.	S-856-J-SO-1-1.5-080924-FD	SO	X		8-9-24	1105	1		1	
7.	S-856-J-SO-1.5-2-080924	SO	X		8-9-24	1110	1		1	
8.	S-856-J-SO-2-2.5-080924	SO	X		8-9-24	1115	1		1	
9.	S-856-J-SO-3-3.5-080924	SO	X		8-9-24	1120	1		1	
10.	S-856-J-SO-4-4.5-080924	SO	X		8-9-24	1135	1		1	Extract and hold pending analysis

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	8-9-24 1820	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.5 °C
Comments: The following PAHs are to be reported only for: Benzo(a)anthracene, Benzo(a)pyrene, Dibenzo(a,h)anthracene

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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CHEMTECH
CHAIN OF CUSTODY RECORD

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www.chemtech.net

CHEMTECH PROJECT NO. / QUOTE NO. P3573
COC Number 2041310

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite #100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Yinfanti
PHONE: (281) 414-1719 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: D3779922 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE (201) 926-0586 FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard TAT DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☒ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

PAHs (24) PAHs (16) Ag

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	EB-01-080824	DI		X	8-9-24	1300	3	E	E/B								
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

Specify Preservatives: A-HCl B-HN03 C-H2SO4 D-NaOH E-ICE F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	8-9-24 1620	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.5°C °C
Comments: The following PAHs are to be reported only for: Benzo(a)anthracene, Benzo(a)pyrene, Dibenzo(a,h)anthracene

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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From: Ynfante, John <John.Ynfante@jacobs.com>
Sent: Friday, May 30, 2025 7:57 PM
To: Yazmeen Gomez
Subject: another sample ID correction - in P3475 and P3573

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Yazmeen,

It was also pointed out to me that SDGs P3475 and P3573 logged in soil samples with “S0” (number zero) in the ID instead of “SO” (letter O). Can you resubmit those files with the “SO” in the sample IDs which indicates that they are soil samples in our database. Thanks.

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Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488